



STATE OF IOWA

IOWA DENTAL BOARD

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

MELANIE JOHNSON, J.D.
EXECUTIVE DIRECTOR

CONTINUING EDUCATION ADVISORY COMMITTEE

AGENDA

October 16, 2012

12:00 p.m.

Location: Iowa Dental Board, 400 SW 8th St., Suite D, Des Moines, Iowa;
(Committee Members May Participate in Person or by Telephone)

Committee Members: *Lynn Curry, D.D.S. Chair; George North, D.D.S; Eileen Cacioppo, R.D.H.; Marijo Beasler, R.D.H.; Kristee Malmberg, R.D.A.; Jane Slach, R.D.A.; Lori Elmitt, Board Member*

OPEN SESSION

- I. CALL MEETING TO ORDER - ROLL CALL
- II. APPROVAL OF OPEN SESSION MINUTES
 - a. July 12, 2012 – Open Session
- III. COMMITTEE PROCEDURES AND MEETING SCHEDULE
 - a. Recommendation(s) for Administrative Review and Processing of Applications
 - b. Recommendation(s) for Committee Review and Processing of Applications
 - c. 2013 Committee Meeting Schedule
- IV. * CONTINUING EDUCATION COURSE APPLICATIONS
 - a. *Alere Wellbeing: “Addressing Tobacco Use in Iowa: The Brief Tobacco Intervention” (1 hour)*
 - b. *Australian Society of Endodontology: “Fundamentals of Contemporary Endodontics” (6 hours)*
 - c. *DANB: “Orthodontic Assistant” (12 hours)*
 - d. *DynaFlex: “How to Wow Your Patients” (2 hours)*
 - e. *Dental Prosthetic Services: “2012 Dental Sleep Medicine Symposium” (7 hours)*
 - f. *Eastern Iowa Community College: “Oral Health for Children & Individuals with Special Health Care Needs” (7 hours)*
 - g. *Eastern Iowa Community College: “Infection Control & Dental Radiography” (4 hours total)*
 - h. *Eastern Iowa Community College: “Dentistry in the Field” (2 hours)*
 - i. *Dr. Edward Gardner: “Practice Integration Seminar for Invisalign” (8 hours)*

- j. **G.V. Black Dental Study Club:** “Digital Orthodontics and Case Presentations” (3 hours)
- k. **G.V. Black Dental Study Club:** “Eliminate Embezzlement & Fraud in the Healthcare Office” (6 hours)
- l. **G.V. Black Dental Study Club:** “Strategies for Restorative Success in the Esthetic Zone with Teeth & Implants” (6 hours)
- m. **G.V. Black Dental Study Club:** “Dept. of Oral Medicine – UIA College of Dentistry, Dr. Karen Baker” (6 hours)
- n. **G.V. Black Dental Study Club:** “Every Dentistry – More than Everyday Esthetic Results” (6 hours)
- o. **Hall-Perrine Cancer Center at Mercy Medical Center:** “2012 Fall Cancer Care Update for Dental Health Professionals (2 hours)
- p. **Institute for Natural Resources:** “Appetite & Food Cravings” (6 hours)
- q. **Institute for Natural Resources:** “Better Sleep/Better Memory” (6 hours)
- r. **Iowa Academy of General Dentistry:** “Everyday Dentistry – More than Everyday Esthetic Results” (24 hours total: 8 hours lecture, 16 hours participation)
- s. **Iowa Dental Hygienists’ Association:** “Lasers & Ultrasonics “Olympic Gold” in Patient Health & Wellness” (6 hours)
- t. **Iowa Department of Public Health:** “I-Smile Coordinator Meeting” (4 hours)
- u. **Iowa Department of Public Health:** “Tobacco & Hypertension Screening & Referral by Dental Professionals” (1 hour)
- v. **Kiess Kraft Dental Laboratory:** “Fundamentals of Dental Sleep Medicine” (13 hours total)
- w. **Kiess Kraft Dental Laboratory:** “Occlusion as a Risk Factor Affecting Periodontal Treatment Outcomes” (2 hours)
- x. **Oral Surgeons, PC, Implant Institute:** “Digital Dentistry (Technology in the Office & Dental Lab)” (2 hours)
- y. **Spring Park Oral & Maxillofacial Surgeons, P.C.:** “Medical Emergencies in the Dental Office” (3 hours)
- z. **Suzanne Stock, D.D.S.:** “Topics in Human Head and Neck Anatomy” (2 hours)

V. CONTINUING EDUCATION COURSE – RECONSIDERATION FOR CREDIT

- a. **Periodontal Specialists:** “Setting Your Team on Fire for Patient Care” (6 hours, awarded 3 hours 7/12/12)

VI. CONTINUING EDUCATION SPONSOR RECERTIFICATION APPLICATIONS

- a. See full list with attached materials.

VII. OTHER BUSINESS

- a. Recommendation Concerning Course Credit for Home-study Courses (e.g. Journal articles)

VIII. OPPORTUNITY FOR PUBLIC COMMENT

IX. ADJOURN

If you require the assistance of auxiliary aids or services to participate in or attend the meeting because of a disability, please call the Board office at 515/281-5157.

Please Note: At the discretion of the Committee Chair, agenda items may be taken out of order to accommodate scheduling requests of Committee members, presenters or attendees or to facilitate meeting efficiency.



STATE OF IOWA

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EXECUTIVE DIRECTOR

CONTINUING EDUCATION ADVISORY COMMITTEE

MINUTES

July 12, 2012
Conference Room
400 S.W. 8th St., Suite D
Des Moines, Iowa

Committee Members

	July 12, 2012
Lynn Curry, D.D.S.	Present
George North, D.D.S.	Absent
Eileen Cacioppo, R.D.H.	Present
Dental Hygiene Member Vacancy	
Kristee Malmberg, R.D.A.	Present
Jane Slach, R.D.A.	Present
Lori Elmitt, Board Member	Present

Staff Members

Melanie Johnson, Christel Braness

Attorney General's Office

Theresa Weeg, Assistant Attorney General

CALL TO ORDER FOR JULY 12 2012

Dr. Curry called the meeting of the Continuing Education Advisory Committee to order at 10:08 a.m. on Thursday, July 12, 2012. A quorum was established with 5 members present. Committee members Jane Slach and Kristee Malmberg participated in the meeting by telephone.

Roll Call:

<u>Member</u>	<u>Curry</u>	<u>North</u>	<u>Cacioppo</u>	<u>Vacancy</u>	<u>Malmberg</u>	<u>Slach</u>	<u>Elmitt</u>
Present	x		x		x	x	x
Absent		x					
Vacancy				x			

APPROVAL OF MINUTES

There weren't any prior minutes of the Committee to review.

CONTINUING EDUCATION COURSE APPLICATIONS

- *Iowa Department of Public Health: "I-Smile Oral Health Coordinator Meeting"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course as submitted by the Iowa Department of Public Health. Motion APPROVED unanimously.
- *Spring Park Oral & Maxillofacial Surgeons: "Abutment Selection and Digital Impressioning with Implants"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for two (2) hours as submitted by Spring Park Oral & Maxillofacial Surgeons. Motion APPROVED unanimously.
- *Kiess Kraft Dental Lab: "When Bad Implants Happen to Good People"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for four (4) hours as submitted by Kiess Kraft Dental Lab. Motion APPROVED unanimously.
- *Iowa Head Start Association: "Healthy Smiles"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to DENY credit for the course as submitted by the Iowa Head Start Association due to information provided by the sponsor, which suggested that the course's primary audience was teachers and not dental practitioners. Motion APPROVED unanimously.
- *Eastern Iowa Community College: "TMJ/TMD – What Is It & What Do I Do Now?"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for two (2) hours as submitted by Eastern Iowa Community College. Motion APPROVED unanimously.
- *Periodontal Specialists: "Setting your Team on Fire for Patient Care"*

Ms. Cacioppo questioned the eligibility of a portion of the course, which appeared to focus on intra-staff and business communication. Ms. Jane Slach had the same concerns. Ms. Slach indicated that partial credit would be appropriate.

- ❖ MOVED by Ms. J. SLACH, SECONDED by CACIOPPO, to APPROVE the course for three (3) hours as submitted by Periodontal Specialists. Motion APPROVED unanimously.

CONTINUING EDUCATION SPONSOR APPLICATIONS

Ms. Braness indicated that a number of the sponsor applications submitted for review are sponsors who were seeking recertification of sponsor status. Ms. Cacioppo indicated that she had no concerns regarding the sponsor applications for those who were seeking recertification of their sponsor status. The sponsors seeking recertification were G.V. Black Dental Study Group of Des Moines, Iowa Dental Hygienists' Association, Midwest Gnathostatic Research and Study Group, and the Tall Corn Dental Symposium.

Ms. Braness reported that Indian Hills Community College and the Compliance Training Partners were the only "new" applications for sponsor status.

Ms. Cacioppo and Ms. Malmberg had some questions about the qualification for sponsor status related to Indian Hills Community College and Compliance Training Partners.

- *Compliance Training Partners*

The Committee members discussed the information included with the application. The members did not feel that the information was sufficient to make a final recommendation. The Committee indicated that the application could be resubmitted for review with the inclusion of more information regarding a more established program.

- ❖ MOVED by CACCIOPPO, SECONDED by ELMITT, to request further information from the sponsor regarding the course developers and/or instructors. Motion APPROVED unanimously.

- *Indian Hills Community College*

Ms. Cacioppo had concerns about granting this request for sponsor status since they do not have an established history of dental continuing education.

- ❖ MOVED by MALMBERG, SECONDED by CACIOPPO, to DENY the request for sponsor status. Indian Hills Community College may reapply for sponsor status when that an established history of provide dental continuing education. Motion APPROVED unanimously.

OTHER BUSINESS

COMMITTEE VACANCY

Ms. Cacioppo initially proposed Ms. Nancy Slach, R.D.H. to fill the vacancy. However, following some review of the Board rules addressing requirements for Committee membership, it was decided to fill the vacancy with a non-Board member.

- ❖ MOVED by CURRY, SECONDED by CACIOPPO, to recommend that Marijo Beasler, R.D.H. be appointed to fill the vacancy on the Committee. Motion APPROVED unanimously.

COMMITTEE MEETING SCHEDULE

Ms. Johnson asked the Committee about preferences for meeting. Ms. Johnson and the Committee members expressed an interest in scheduling the meetings of the Continuing Education Advisory Committee in advance of the scheduled Board meeting dates.

COURSE SUBMISSION & REVIEW

Ms. Johnson would recommend that the Board review and accept a proposal that would grant the Committee authority to make final decisions regarding continuing education matters unless the Committee deems it necessary to refer a matter to the full Board for review.

Ms. Cacioppo stated that she would be open to the idea of narrowing the number of courses forwarded to the full Committee for review. Courses, which clearly meet Board guidelines for approval, may not warrant the review of the full Committee. The same would apply to courses that have been approved previously, or are very clinical in nature. These courses could be handled administratively and a list of courses and actions provided to the Committee for their information and final review.

The meeting of the Continuing Education Advisory Committee was adjourned at approximately 11:25 a.m. on July 12, 2012.

NEXT MEETING OF THE COMMITTEE

The next meeting of the Continuing Education Advisory Committee will be scheduled to be held prior to the October 2012 meeting of the Board, in Des Moines, Iowa.

Respectfully submitted,

Melanie Johnson, J.D.
Executive Director

MJ/cb

REPORT TO THE CONTINUING EDUCATION ADVISORY COMMITTEE (CEAC)

DATE OF MEETING: October 16, 2012
RE: **Committee Procedures**
SUBMITTED BY: Melanie Johnson, Executive Director; Angela Davidson,
Administrative Assistant; Christel Braness, Program Planner
ACTION REQUESTED: Recommendation on Committee Procedures

Topic(s) for Committee Review

As a committee, what course topics do you want to see for review? What course topics could be processed administratively by Board staff?

PROPOSAL:

Board staff is recommending that some courses be processed administratively so as to streamline the review process and minimize work for the committee in cases where courses meet guidelines and recommendation for approval. A list of actions taken by Board staff would be copied to the Continuing Education Advisory Committee and the Board at each quarterly meeting.

Course(s) and/or topics, which could be processed administratively:

- Topics/courses, which are approved for credit pursuant to IAC 650—25.3(7)b. (e.g. record keeping, risk management, sexual boundaries, communication and OSHA regulations);
- Topics/courses, which are directly related to the clinical practice of dentistry. (e.g. implants, orthodontics, endodontics, etc.);
- Course resubmissions, which were prior-approved by the Board;

Course(s) and/or topics, which should be reviewed by the CEAC for recommendation:

- Topics/courses, which are *not* approved for credit pursuant to IAC 650—25.3(7)c. (e.g. personal development, business aspects of practice, personnel management, insurance, etc.);
- Topics/courses, which cover multiple topics, all of which *may not* be eligible for credit (e.g. courses on dental products, which may involve education about use *and* information about how to market the product);
- Topics/courses, which relate to communications (e.g. intra-staff communication versus practitioner/patient communication);
- Topics/courses, which relate to aspects of practice, which are less clinical in nature (e.g. ergonomics);
- All other topics/courses, which are not clearly eligible for credit pursuant to IAC 650.

CONTINUING EDUCATION ADVISORY COMMITTEE (CEAC)

RE: **2013 – Meeting Dates & Times**
SUBMITTED BY: Melanie Johnson, Executive Director; Angela Davidson,
Administrative Assistant; Christel Braness, Program Planner

The following are the dates and times for the scheduled meetings of the Continuing Education Advisory Committee (CEAC) for 2013. If your availability should change for a given meeting, please notify the Angie Davidson or Christel Braness immediately. In the event a meeting date/time needs to change, you will be notified in writing.

January 18, 2013	12:00 P.M. – 1:30 P.M. (Wednesday)
May 1, 2013	12:00 P.M. – 1:30 P.M. (Wednesday)
July 24, 2013	12:00 P.M. – 1:30 P.M. (Wednesday)
October 25, 2012	12:00 P.M. – 1:30 P.M. (Friday)

**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 *per course* is required to process your request. PLEASE TYPE OR PRINT.

Jennifer Pech Cinnamon, Alere Wellbeing, on behalf of the
Iowa Department of Health

1. Name of organization or person requesting approval: _____

Address: 999 3rd Ave, Suite 2100 Seattle WA 98104

Phone: 206-876-2287 Fax: 206-876-2101 E-mail: jan.schnellman@alere.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
 Dental School
 Dental Hygiene School
 Dental Assisting School
 Military
 Other (please specify): Business

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
 Home study (e.g. self assessment, reading, educational TV)
 Participation
 Discussion
 Demonstration

4. Course Title: Addressing Tobacco Use in Iowa: The Brief Tobacco Intervention

5. Course Subject:

- Related to clinical practice
 Patient record keeping
 Risk Management
 Communication
 OSHA regulations/Infection Control
 Other: Brief tobacco intervention

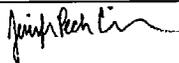
6. Course date: _____ Hours of instruction: 1 hour

CK# 017 345
\$10

7. Provide a detailed breakdown of contact hours for the course or program:
The Brief Tobacco Intervention- 15 minutes
Making a Referral-15 minutes, Pharmacotherapy-15 minutes
Appendix information-15 minutes
Knowledge Assessment Quiz- 10 minutes

8. Provide the name(s) and briefly state the qualifications of the speaker(s): Authors:
Jennifer Pech Cinnamon, BA, Technical Training Specialist; Jan Schnellman, MEd,
Senior Manager of Training Services; Jerilyn Oshel, BS, Community Health Consultant;
Mariannette Miller-Meeks, MD, Director of Iowa Department of Public Health

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Jennifer Pech Cinnamon
 Title: Technical Training Specialist Phone Number: 206-876-2287
 Fax Number: 206-876-2101 E-mail: jan.schnellman@alere.com
 Address: 999 3rd Ave, Suite 2100 Seattle, WA 98106
 Signature:  Digitally signed by Jennifer Pech Cinnamon
 DN: cn=Jennifer Pech Cinnamon, o=Alere Wellbeing,
 ou=Training Services,
 email=jennifer.pechcinnamon@alere.com, c=US
 Date: 2012.09.20 11:12:41 -0700 Date: 9/20/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
 Advisory Committee on Continuing Education
 400 S.W. 8th Street, Suite D
 Des Moines, Iowa 50309-4687**



Course Description: Addressing Tobacco Use in Iowa: The Brief Tobacco Intervention

The Iowa Tobacco Prevention Control Program (ITPCP) has placed a high priority on training health professionals to use the brief tobacco intervention and refer patients, as appropriate, to the Quitline Iowa for treatment. One of the primary ways that ITPCP hopes to increase the use of brief tobacco intervention skills and referral to the Quitline among health care providers is through the development and dissemination of an interactive, self-guided online training to give providers the skills and information they need to identify tobacco users, advise them to quit, and provide referral to trusted resources to complete treatment.

The training can be accessed at this link: www.iatobaccointervention.org.

The primary audience of this training includes physicians, dentists, NP/PAs, and other allied health professionals. The training will be promoted among providers in a wide variety of hospital, clinic, dental care and other settings, including bedside, out-patient, community clinic settings, etc.

Course Objectives

Viewers of this training will be able to:

- Use the Brief Tobacco Intervention with all patients who use tobacco
- Refer patients who are ready to quit to Quitline Iowa
- Describe other resources available to patients
- Describe FDA-approved pharmacotherapy that may help patients stop using tobacco

Training content includes the following sections:

- *The Brief Tobacco Intervention* This section of the training gives providers an overview of the training and instruction and tips on delivering the Brief Tobacco Intervention.
- *Making a Referral*
This section focuses on referral resources that providers can utilize to support their patients in the quit process. Information is presented on Quitline Iowa, including the call process and the types of support offered to Quitline participants. Also included are two demonstration calls to provide viewers the opportunity to hear interactions between Quitline staff and program participants.
- *Pharmacotherapy*
This section presents information on FDA-approved pharmacotherapy options providers can recommend to patients with tobacco dependence, including medications available over the counter and by prescription, and detailed information about medication use.
- *Appendix*
This section of the training contains additional materials and resources that support the training content.

Additionally, the training includes a Knowledge Assessment Quiz that contains questions that require the learner to recall and apply information that was presented in the training.

RECEIVED

APR 26 2012

IOWA DENTAL BOARD

APPLICATION FOR POST APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM

IOWA BOARD OF DENTAL EXAMINERS

400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
Phone (515) 281-5157
www.dentalboard.iowa.gov

NOTE: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Course Title: Fundamentals of Contemporary Endodontics

2. Course Subject:

Related to clinical practice

Patient record keeping

Risk Management

Communication

OSHA regulations/Infection Control

Other: _____

3. Course date: 26th Oct 2011 Hours of instruction: 6

4. Provide a detailed breakdown of contact hours for the course or program:

Lecture - Noon - 6

5. Name of course sponsor: Australian Society of Endodontology

Address: President Dr. Nigel Sauter 11th Floor
20 Collins St. Melbourne 3000 +613 9650-4209

6. Which of the following educational methods were used in the program? Please check all applicable.

Lectures

Home study (e.g. self assessment, reading, educational TV)

Participation

Discussion

Demonstration

7. Provide the name(s) and briefly state the qualifications of the speaker(s): _____
Prof. Rick Walton - Iowa's own famous endodontist
Dr. Alan Nerwich - endodontist in private practice
Dr. Chankhrit Sathorn - head of grad program
in Melbourne

8. Please attach a program brochure, course description, or other explanatory material.

9. Name of person completing application: Gina Tan
Title: DDS Phone Number: +614 2357 7094
Fax Number: _____ E-mail: mtbogar@me.com
Address: 25 Second Street Black Rock VIC 3193
Signature: Gina Tan Date: April 24, 2012 ^{Australia}

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov. Continuing education guidelines and rules are also available on the Board's website. A course is generally acceptable and does not need to go through this formal approval process if it is directly related to clinical practice/oral health care.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

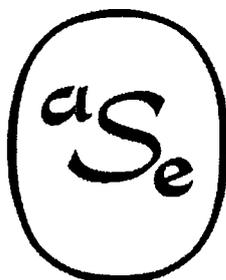
MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Board of Dental Examiners
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

**AUSTRALIAN SOCIETY OF
ENDODONTOLOGY**
Victorian Branch

President:

Dr Nigel Souter
11th Floor 20 Collins St
Melbourne 3000
Phone: 9650 4209
Fax: 9650 4830



Secretary/Treasurer:

Dr. Vijay John
Level 6/766 Elizabeth St
Melbourne 3000
Phone: 9349 7600
Fax: 9349 7602

This is to certify that

Dr Gina Tan

has attended the following ASE(VB) course.

Title: Fundamentals of Contemporary Endodontics

***Presenters: Professor Rick Walton
Dr Alan Nerwich
Dr Chankhrit Sathorn***

Conducted at: The Grand Hyatt Melbourne
Date: 26th October 2011

Approved for: 6 CPD Scientific Hours – 6 CPD points by
the ASE(VB) Committee

Dr Oliver Pope
ASE(VB) CPD Officer

RECEIVED

JUN 25 2012

IOWA DENTAL BOARD

APPLICATION FOR POST APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
Phone (515) 281-5157
www.dentalboard.iowa.gov

NOTE: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Course Title: Orthodontic Assistant

2. Course Subject:
[X] Related to clinical practice
[] Patient record keeping
[] Risk Management
[] Communication
[] OSHA regulations/Infection Control
[] Other:

3. Course date: May 31st 2012 Hours of instruction:

4. Provide a detailed breakdown of contact hours for the course or program:
4 articles to read followed by a 50 question exam related to the articles

5. Name of course sponsor: DANB Dental Assisting National Board
Address: 444 North Michigan Ave Ste 900
Chicago, IL 60611

6. Which of the following educational methods were used in the program? Please check all applicable.
[] Lectures
[X] Home study (e.g. self assessment, reading, educational TV) & examination
[] Participation
[] Discussion
[] Demonstration

7. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

8. Please attach a program brochure, course description, or other explanatory material.

9. Name of person completing application: Amber Beie
Title: Dental Assistant Phone Number: 319-504-2557
Fax Number: _____ E-mail: b_ball_bagby@hotmail.com
Address: 307 Western Hills Blvd Apt D
Signature: Amber Beie Date: 6-20-12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov. Continuing education guidelines and rules are also available on the Board's website. A course is generally acceptable and does not need to go through this formal approval process if it is directly related to clinical practice/oral health care.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Dental Assisting National Board, Inc. Certificate of Completion

This confirms that

Amber L Beier

has successfully completed the Dental Assisting National Board, Inc's (DANB's)
Professional Development Examination Program (PDEP) in

Orthodontic Assistant

earning 12 CDE credits, DANB Recertification Category 3 (DANB Exams).

May be applied to meet DANB Recertification Requirements
CDA • COA • CPFDA • CDPMA • COMSA

Score Date: 5/31/2012



Frank L. Maggio

Frank Maggio, DDS
DANB Board Chair

Official Score Report

Orthodontic Assistant Professional Development Examination Program (v.1.0)



Thursday, May 31, 2012

Amber L Beier
307 Western Hills Blvd Apt D
Cheyenne, WY 82009

CENumber: 190333
Score Date: 05/31/2012

Congratulations! The Dental Assisting National Board (DANB) is pleased to inform you that you have passed the Orthodontic Assistant module of the Professional Development Examination Program (PDEP).

Listed below are your results for each article covered by the examination.

<u>Overall Examination Performance</u>	<u>Individual Articles</u>	<u>Total Possible</u>	<u>Your Score</u>
Professional Development Examination Program: Pass	Orthodontic diagnosis in young children: Beyond dental Malocclusions	13	13
	An efficacy and safety analysis of a chlorhexidine chewing gum in young orthodontic patients	9	9
	More Than Lip Service: Facial Esthetics in Orthodontics	11	10
	An Esthetic and Removable Orthodontic Treatment Option for patients: Invisalign®	9	9
	Toothpaste Options	8	8

We hope that the above information is helpful. Call 1-800-FOR-DANB if you have any questions.

This examination contains 50 items. For each item, select the **ONE** best answer by completely filling in the oval on your answer sheet that corresponds to your choice.

Questions 1-13 Refer to:

Orthodontic Diagnosis in young children: Beyond Dental malocclusions

1. According to the article, what is the ideal age (in years) for initial orthodontic evaluation?
 - A. 3
 - B. 5
 - C. 7
 - D. 9
2. Which of the following is recommended before starting orthodontic therapy on a patient with rheumatic fever?
 - A. Surgery
 - B. Aspirin therapy
 - C. Medical clearance by a physician
 - D. No special needs are required
3. If a patient presents with headaches, ringing of the ears or dizziness, it may indicate
 - A. airway obstruction.
 - B. malocclusions.
 - C. acrylic allergies.
 - D. temporal mandibular disorders (TMD).
4. According to the article, modern diets that include processed foods, particularly those containing sugar and white flour, have been associated with
 - A. facial and dental degeneration.
 - B. overweight youth.
 - C. a fractured mandible.
 - D. an airway obstruction.
5. Ideally, in a cephalometric analysis, the tip of the maxilla and the tip of the chin bone should be within how many millimeters of the anterior arc?
 - A. 2.0
 - B. 2.5
 - C. 3.0
 - D. 3.5
6. Individuals with long, narrow faces and Skeletal III malocclusions frequently suffer from
 - A. upper airway obstruction.
 - B. impacted teeth.
 - C. chronic headaches.
 - D. dry eyes.
7. Orthodontic evaluations should be conducted especially for which group?
 - A. Children with parents who wore braces as children
 - B. Children
 - C. Adults with children who are fitted with braces
 - D. Adults
8. By age 5, what percent has a child's face reached adult proportion?
 - A. 50
 - B. 60
 - C. 70
 - D. 80
9. The American Association of Orthodontists recommends orthodontic screening no later than age
 - A. 5.
 - B. 6.
 - C. 7.
 - D. 8.

10. The majority of orthodontic issues are associated with

- A. facial/skeletal problems.
- B. modern diets.
- C. absence of tonsils.
- D. viral illnesses.

11. What is a simple and inexpensive test to screen patients for TMD?

- A. Inner ear palpitation
- B. Compression stretch
- C. Joint balance
- D. Airway impact

12. What may be the greatest cause of facial and dental abnormalities in modern society?

- A. Upper airway obstruction
- B. Short face
- C. Retrognathic mandible

13. When a patient is diagnosed with swollen tonsils and or adenoids, who must evaluate the condition?

- A. Primary care physician
- B. Ear, nose and throat specialist
- C. Orthodontist
- D. Allergy specialist

Questions 14-22 Refer to:

An efficacy and safety analysis of a chlorhexidine chewing gum in young orthodontic patients

14. According to the article, cytotoxic corrosion from orthodontic appliances may cause

- A. plaque-retentive sites.
- B. non-plaque-induced inflammation.
- C. streptococcus mutans.
- D. subgingival microflora.

15. Which of the following may compromise efficient plaque control for younger orthodontic patients?

- A. Shorter clinical crowns
- B. Less soft tissue
- C. Lower hormone levels
- D. Increased salivation

16. Which of the following EXCLUSION criterion was used in the experimental design?

- A. Presence of braces
- B. Use of mouthwash
- C. Missing first molar
- D. Presence of caries lesions

17. The CHX gum subject group was instructed to chew two pieces of CHX gum for

- A. 5 minutes, three times a day.
- B. 5 minutes, two times a day.
- C. 10 minutes, two times a day.
- D. 10 minutes, three times a day.

18. The results of the study indicated that the full mouth plaque levels between groups was

- A. not significant.
- B. statistically significant.
- C. varied.
- D. terminated.

19. After 2 months of chewing gum, gingival bleeding tendency of the placebo gum group

- A. increased.
- B. decreased.
- C. did not change.

20. At study termination, the CHX gum group had increased tooth staining to what percent from baseline?

- A. 2.1
- B. 4.7
- C. 12.4
- D. 16.1

21. At which of the following oral locations did plaque levels remain unaffected at all times and in both study groups?

- A. Lingual
- B. Palatal
- C. Buccal
- D. Crown

22. The results of the study indicate that incorporating CHX into chewing gum

- A. has no additional value in reducing plaque levels.
- B. increases plaque levels.
- C. does not stain teeth.
- D. reduces oral mucosa.

Questions 23-33 Refer to:

More Than Lip Service: Facial Esthetics in Orthodontics

23. According to the article, Dr. Angle believed every mouth could accommodate all 32 teeth by way of which of the following orthodontic treatments?

- A. Extraction of teeth
- B. Dental arch expansion
- C. Nutritional counseling
- D. Daily tooth brushing

24. How have allegations that orthodontic treatments flatten facial profiles changed treatment plans?

- A. Decreased extraction rates
- B. Increased extraction rates
- C. Decreased arch expansion
- D. Increased arch expansion

25. Of the 160 orthodontic patients examined in the Washington University study, what percent of the facial profiles were improved or unchanged?

- A. 60
- B. 70
- C. 80
- D. 90

26. What percent of the time did the general practitioners in the University of Mississippi study correctly identify persons who had orthodontic treatment of any kind?

- A. 15
- B. 45
- C. 49
- D. 52

27. In the University of Mississippi study, which evaluation group, more than any other, erroneously misidentified patients as having extractions if they showed evidence of a 'flat' facial profile?

- A. Orthodontic specialists
- B. General Practitioners
- C. General dentists who practice orthodontics
- D. Parents of orthodontic patients

28. What is one result in this article that is alleged to result from the extraction of premolars?

- A. TMD
- B. Retrognathic mandibular
- C. Class III Malocclusion
- D. Skeletal II and III malpositions

29. What treatment goal may necessarily require premolar extractions?

- A. Reduction in protrusion
- B. Reduction in airway obstruction
- C. Dental arch expansion
- D. Correction for cleft lip and palate

30. About what percentage of the time could general dentists and orthodontic specialists identify subjects who had orthodontic treatment of any kind?

- A. 25
- B. 50
- C. 75
- D. 100

31. Which facial profile most often led general dentists, who emphasize orthodontics in their practices, to misidentify patients as having had extractions?

- A. Flat
- B. Short
- C. Long
- D. Narrow

32. What percent of patients who had undergone extraction treatment thought that the treatment had improved their profile based on tracings?

- A. 26
- B. 33
- C. 45
- D. 58

33. What extracted tooth may significantly reduce initial protrusion of the facial profile?

- A. Molar
- B. Premolar
- C. Cuspid
- D. Incisor

Questions 34-42 Refer to:

An Esthetic and Removable Orthodontic Treatment Option for Patients: Invisalign®

34. Which of the following is one of the responsibilities of Align technologies virtual orthodontic technicians (VOT)?

- A. Separating the individual teeth using custom software
- B. Take PVS impressions of the patient
- C. Obtain bite registrations for the dentist
- D. Send x-rays to the lab

35. What type of material is used on the physical model made from the virtual treatment stage?

- A. Polyvinylsiloxane (PVS)
- B. Plaster models
- C. Laser cured plastic resin
- D. Condensation silicone

36. Invisalign® is appropriate for patients with

- A. Partially erupted teeth
- B. Fully erupted teeth
- C. Class III malocclusion
- D. Bimaxillary protrusion

37. Which of the following diagnosis was present in Case 1 of the 17 year old?

- A. 3mm of maxillary crowding
- B. Class III malocclusion
- C. Tooth sensitivity
- D. Moderate mandibular crowding

38. Which of the following diagnosis was present in the 34 year old of Case 2?

- A. Mandibular canines rotated distally
- B. Moderate maxillary spacing
- C. Impacted 3rd molar
- D. Anterior cross bite

39. In order to relieve mandibular crowding in Case 2, which tooth was extracted?

- A. Maxillary right lateral incisor
- B. Mandibular right central incisor
- C. Maxillary left central incisor
- D. Mandibular left lateral incisor

40. Attachments were placed on the mandibular canines in Case 2 to assist with

- A. extractions
- B. rotations
- C. inversions
- D. hygiene

41. When submitting the two cases to the lab, the article recommends reporting overcorrection of all rotations by what percent?

- A. 10
- B. 12
- C. 14
- D. 16

Questions 42-50 Refer to:
Toothpaste Options

42. According to the American Dental Association guidelines, which toothpaste ingredient decreases plaque accumulation?

- A. Flouride
- B. Desensitizing agent
- C. Antibacterial/antimicrobial toothpaste *
- D. Enamel altering agent

43. In what decade was fluoride first recognized as a protective agent against the development of dental caries?

- A. 1920's
- B. 1930's
- C. 1940's
- D. 1950's

44. How does the incorporation of fluoride into the tooth enamel help to reduce caries?

- A. Makes teeth more resistant to acids
- B. Reduces nerve activity
- C. Increases tooth sensitivity

45. According to the article, what percent of the US adult population is affected with dentin hypersensitivity?

- A. 5%
- B. 12%
- C. 17%
- D. 22%

46. According to the article, tooth erosion can result from frequent consumption of

- A. acidic fruits and softdrinks.
- B. non – fluorinated water.
- C. bread and crackers.
- D. hard candies.

47. What percent of potassium nitrate, in antisensitivity toothpaste, can be used to reduce intradental nerve activity?

- A. 3
- B. 5
- C. 7
- D. 9

48. The toothpaste ingredient triclosan is designed to

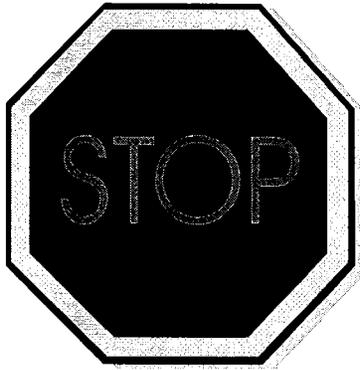
- A. neutralize acids.
- B. reduce sensitivity.
- C. remove harmful bacteria.
- D. relieve canker sores.

49. According to the American Academy of Cosmetic Dentistry what is the most asked for dental treatment of patients?

- A. Gum lift
- B. Custom veneers
- C. Tooth whitening
- D. Dental implants

50. Which of the following is the most common side effect of tooth whitening treatments?

- A. Bleeding gums
- B. Fluoride overdose
- C. Oral inflammation
- D. Tooth sensitivity



STOP! This is the end of the examination:

Remember to carefully complete your answer sheet by thoroughly and PROPERLY filling in your Certification Number and PDEP Authorization Number **BEFORE** mailing to DANB.

This examination is yours to keep as a reference.

PDEP participants are advised to keep this examination and accompanying articles until receipt of a passing score. Individuals who fail will be allowed to retake the examination and will be provided with a new answer sheet. However, additional copies of the articles and examination will not be available.

Orthodontic diagnosis in young children: Beyond dental malocclusions

Yosh Jefferson, DMD, MAGD, FACD, FICD

Orthodontics is more than merely diagnosing and treating dental malocclusion.

It also includes diagnosis and treatment of facial/skeletal problems, upper airway obstruction (mouth breathing), temporomandibular dysfunction, and abnormal myofunctional habits. These assessments should be made in all patients but especially in children as young as age 5 to take advantage of facial growth.

If problems are diagnosed early and preventive measures are instituted, many facial and dental problems may be minimized or averted.

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To provide a comprehensive orthodontic evaluation, dentists must evaluate the following factors: medical history; nutritional history; dental history; dental problems; facial/skeletal problems; temporomandibular dysfunction (TMD); upper airway obstruction (mouth breathing); and abnormal myofunctional habits.

Orthodontic evaluation should be conducted for all patients but especially for young children. The ideal age to first evaluate orthodontic problems is approximately age 5. Even by age 5, however, the face has achieved 70% of its adult proportion; by puberty, it has developed to nearly 100% of its adult proportion.¹ On its Web site, the American Association of Orthodontists recommends orthodontic screening no later than age 7.² If treated early, many malocclusions and facial/skeletal disharmonies in a growing face may be corrected more easily and even reversed through the use of functional appliances. Although orthodontic assessment is more comprehensive than described in this paper, key areas for each evaluation will be discussed.

Medical, nutritional, and dental history

It is important to take a good medical history to avert potential problems. Although orthodontic therapy tends to be relatively bloodless, it is possible to cause bleeding by poking or cutting soft tissues. For illnesses such as endocrine problems, rheumatic fever, prolonged bleeding, AIDS, cancer, and kidney

problems, medical clearance and recommendations should be made by a physician. Any allergies to medications and metals, such as nickel, should be noted; many orthodontic brackets, wires, springs, and clasps contain nickel. Some patients may be allergic to acrylic. Signs of mouth breathing such as frequent colds, sore throats, ear infections, and snoring may indicate airway obstruction. The presence or absence of tonsils and adenoids should be determined. Frequent headaches, stuffiness or ringing of the ears, or dizziness may indicate TMD.

A nutritional history should be taken. Compared to breast-fed babies, bottle-fed babies tend to have greater incidence of allergies, narrow mouths, malocclusions, and skeletal problems such as long and/or narrow faces.^{3,5} Modern diets that include processed foods, especially sugar and white flour, have been linked to facial, dental, and physical degeneration.⁶⁻¹⁹ In reviewing the dental history, any facial or oral trauma should be noted, as should the patient's previous orthodontic history.

If the dentist is planning to treat rather than refer, it is important to note whether the patient had previous orthodontic consultation and, if so, what type of treatment was recommended. For example, did the previous treatment plan call for extracting four premolars or expanding the arches? Finally, it is important to note any concerns the patient or parents may have and ask them to describe the problems in writing.

Evaluation of dental problems

Most nonorthodontic dentists see dental crowding and misalignment as the primary reason to refer to orthodontists. Tung and Kiyak found that 56% of referrals were due to crowding of teeth, with 17.3% referred because of overbite.²⁰ Figure 1 shows a typical case referred for treatment.

Diagnosis of Class II or III malocclusions is another reason for orthodontic treatment or referral. It is possible to overlook Class II malocclusions where there is no crowding of teeth. Figure 2 shows a young boy with a moderate Class II problem and a deep bite but no crowding. On the surface, he has an attractive smile; however, his small chin and facial type predispose him to potential TMD.

Class III malocclusions are easy to diagnose; however, these cases are considered to be the most complicated to treat. Class III malocclusions may be caused by dental malocclusion where the mandibular anterior teeth are in front of the maxillary anterior teeth or by a skeletal problem in which the mandible is in front of the maxilla (Fig. 3). If diagnosed early, Class III malocclusions may be treated nonsurgically with a forward protraction headgear (reverse face mask) or with a Frankel III appliance.²¹⁻²⁹ For moderate to severe Class III malocclusions, however, orthognathic surgery often is the treatment of choice for teenagers and adults.

Other dental problems that must be addressed include crossbites, deep bites, and anterior open bites (Fig. 4-6).

Evaluation of facial/skeletal problems

It is important to note that the majority of orthodontic problems are associated with facial/skeletal problems. Facial/skeletal problems include short faces, long faces, narrow faces, Skeletal II and III malpositions, and facial asymmetry. Figures 7-11 illustrate some of these

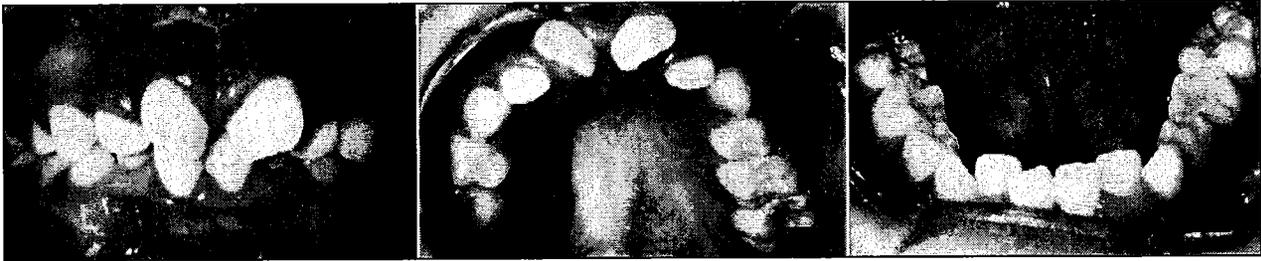


Fig. 1. Dental crowding, misalignment, and overbite.

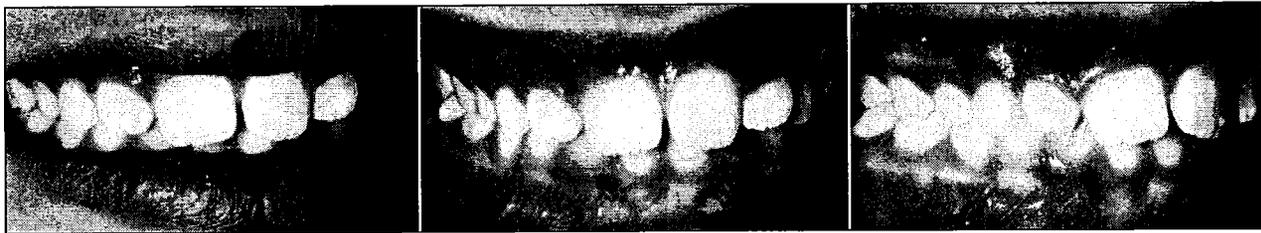


Fig. 2. A Class II problem in a boy aged 9 years, 6 months.

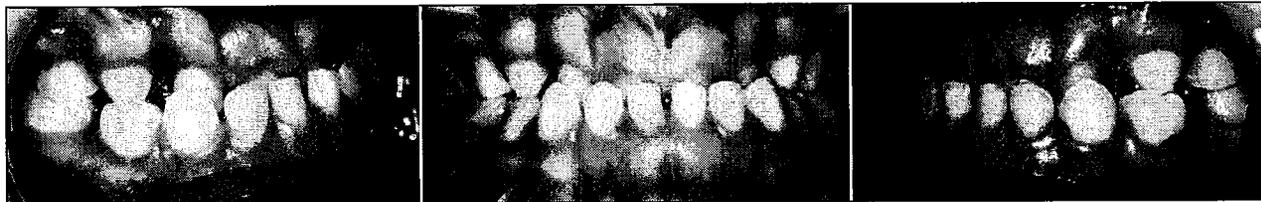


Fig. 3. A Class III or Skeletal III malocclusion in a girl aged 5 years, 11 months.

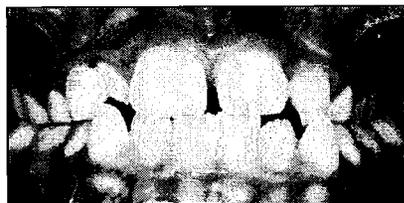


Fig. 4. A left crossbite.



Fig. 5. An anterior deep bite.



Fig. 6. An anterior open bite.

problems with cephalometric tracings and a short description.

In this cephalometric analysis, the anterior arc near the front of the face and the lower vertical arc near the chin bone are drawn for reference. Ideally, the tip of the maxilla (anterior nasal spine) and the tip of the chin bone (pogonion) should be within 2.0 mm of the anterior arc, while the base of the chin bone (menton) should be within 2.0 mm of the lower vertical arc based on the patient's age. Cephalometric analysis should be viewed as one of many diagnostic evaluations which can be utilized in assessing specific treatment modalities for individual treatment. Sev-

eral publications describe the tracing and diagnostic interpretation of this particular analysis.³⁰⁻³² This analysis also can be used to help determine antero-posterior (A-P) position and verticals for denture cases, major oral rehabilitation cases, TMD therapy, and orthognathic surgeries.

Figure 7 shows a girl with a short face and a Skeletal II problem. Her maxilla is in ideal A-P position but her mandible is retrognathic. She suffered from severe headaches. Figure 8 shows a boy with a long face and a Skeletal III problem. Long faces often are associated with narrow faces. His maxilla is retrognathic, his mandible is prognathic, and his low-

er vertical height is significantly long. He suffered from airway obstruction. Figure 9 shows a girl with a narrow face, normal facial height, and a Skeletal II problem. Her maxilla is normal A-P but her mandible is retrognathic and she suffered from airway obstruction. Figure 10 shows a boy with a Skeletal II problem and a short face. His maxilla is normal A-P but his mandible is retrognathic and his lower vertical height is short; he suffered from headaches. Figure 11 shows a girl with a Skeletal III problem. Her maxilla is in ideal A-P position and her lower facial height is normal but her mandible is prognathic. She was treated

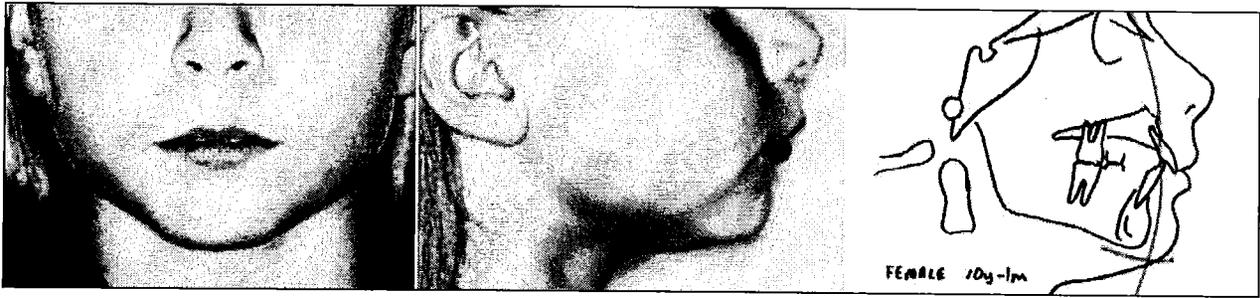


Fig. 7. A girl aged 10 years, 1 month with a short face.



Fig. 8. A boy aged 12 years, 0 months with a long face.

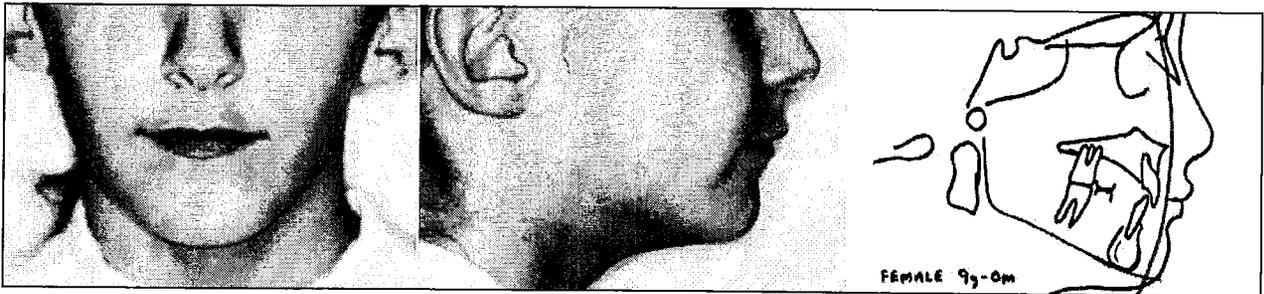


Fig. 9. A girl aged 9 years, 0 months with a narrow face.

successfully without surgery using a Frankel III appliance.²⁹

It is the author's experience that the more pronounced the facial disharmonies, the greater the esthetic problems and the greater the incidence of medical problems. Using functional appliances to align the facial/skeletal structures benefits the craniofacial physiology, which in turn has a positive impact on the total body.^{33,34}

With accurate diagnosis and treatment with appropriate functional appliances, our profession can enhance facial esthetics, improve TMD and physiologic and psychologic health, and maximize quality of life for our patients.

Evaluation of TMD

The inner ear palpitation test is a simple and inexpensive way to screen patients

for TMD. The test can be conducted with the patient sitting up or supine. The dentist stands or sits behind the patient, placing the fifth finger of each hand firmly inside the patient's ears, with the fleshy side of the finger facing the condyle (Fig. 12). The patient is instructed to open his or her mouth wide, then close it slowly while the dentist feels for any condylar pressure. Ideally, pressure should be barely perceptible. Pressure on either side, however, indicates that the patient has a compressed TM joint space and likely has TMD. Other symptoms of TMD that can be felt are popping, clicking, and crepitus.

Many individuals with short faces and Skeletal II malocclusions suffer from TMD, headaches, neck-shoulder-back pains, ear infection, hearing prob-

lems, ringing in the ears, dizziness, and other medical problems.^{33,40} In many cases, patients, including children, with compressed joints tend to have headaches or migraines. When the faces of these patients are harmonized to better esthetics and profile, symptoms of TMD often are alleviated. This can be achieved through the use of removable orthotic appliances or through functional appliance therapy.⁴¹⁻⁴⁸

Evaluation of upper airway obstruction

Upper airway obstruction may be the greatest cause of facial and dental abnormalities in modern society. Mouth breathing creates a multitude of abnormal muscle activities of the facial and tongue muscles. The problem of facial

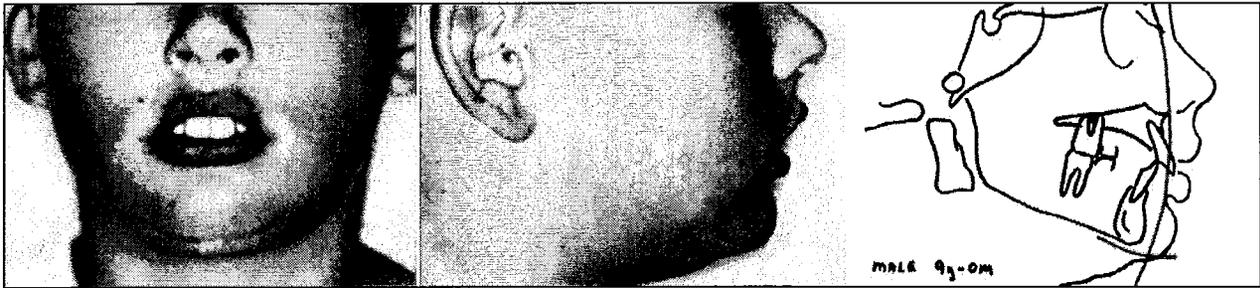


Fig. 10. A boy aged 9 years, 1 month with a Skeletal II malocclusion.



Fig. 11. A girl aged 5 years, 11 months with a Skeletal III malocclusion.



Fig. 12. The inner ear palpation test to screen for TMD.

and dental abnormalities attributed to mouth breathing is not new; Pullen discussed this relationship in 1906.⁴⁹ The functional matrix theory by Moss explains how mouth breathing can cause a growing face to develop abnormally.^{50,51}

Figure 13 shows a girl at age 6 whose severe upper airway obstruction was untreated. Three years later, the damage caused by mouth breathing was dramatic. Her dental and facial problems were treated and corrected using functional appliance therapy (Fig. 14).

Many individuals with long faces, narrow faces, and Skeletal III malocclusions often suffer from upper airway obstruction. They tend to be mouth breathers and often have swollen tonsils and adenoids which, over time, can cause breathing problems that can be life-threatening

in some individuals, who can develop a potentially fatal condition called *corpulmonale* (enlargement of the heart). It is not unusual for these children to not sleep well and to be small and frail for their age.^{3,52-62} It is paramount that health care workers evaluate all patients, especially children, for swollen tonsils.

According to Garry, the typical features of a mouth breather include large, dry, bulbous lips; open mouth habit; allergic shiners (dark circles below the eyes); a tearing of the eyes; a deep labiomental fold; and a hyperactive mentalis. Other features may include a prognathic or retrognathic maxilla or mandible; a high palatal vault and narrow maxillary arch; a narrow mandibular arch (Fig. 15); crowded anterior teeth; difficulty in swallowing; chronic ear-

aches; chronic recurrent throat infections; obstructive sleep apnea; fatigue and inability to concentrate in school; tinnitus; postural problems (head forward posture); and enuresis due to nocturnal arousals as a result of a drop in blood oxygen saturation.⁶³

Figure 16 shows a patient whose face depicts upper airway obstruction as described by Garry.⁶³ The patient's severely swollen tonsils are shown in Figure 17. None of his previous dentists or pediatricians diagnosed this problem.

Patients with swollen tonsils and/or adenoids must be evaluated by a well-informed ear-nose-throat (ENT) specialist. If necessary, hyperplastic tonsils and/or adenoids must be removed surgically prior to instituting orthodontic treatment. The treatment of upper airway



Fig. 13. A girl with upper airway obstruction leading to abnormal facial growth, shown at ages 6 and 9.



Fig. 14. The patient in Figure 13, before and after treatment of upper airway obstruction with functional appliance therapy.

obstruction must be a team effort by the ENT and the orthodontic practitioner. Surgical removal of hyperplastic tissues will help to clear clogged airway passages but the passages still will remain physically small or narrow in patients with narrow faces and in Skeletal III patients where the middle third of the face is underdeveloped. Palatal expansion further improves nasal respiration by enlarging the airway passages and sinus cavities while expanding the palatal arches (Fig. 18).⁶⁴⁻⁷⁴

Patients with Skeletal III malocclusions where the maxilla is retrognathic also have greater incidence of upper airway obstruction. This is because the midface is collapsed, causing the sinus cavities to be smaller and less conducive to the passage of air (Fig. 8, 9, and 11).

The importance of correcting mouth breathing cannot be overemphasized. Studies have shown that some facial and dental problems, if corrected early, can be reversed.⁷⁵⁻⁷⁷ Other benefits include improved academic performance; increased weight and height; correction of nocturnal enuresis, exacerbation of psoriasis, and recurrent streptococcal pharyngotonsillitis; improved behavior; and alleviation of attention deficit/hyperactivity disorder (ADHD).⁷⁸⁻⁹²

Evaluation for abnormal myofunctional problems

Abnormal myofunctional habits include mouth breathing, thumb sucking, lip sucking, forward tongue thrust, lateral tongue thrust, and deviant swallow. Sucking on pacifiers, bottle-feeding, and nibbling on foreign objects such as pencils and pens can induce abnormal myofunctional habits. A foreshortened

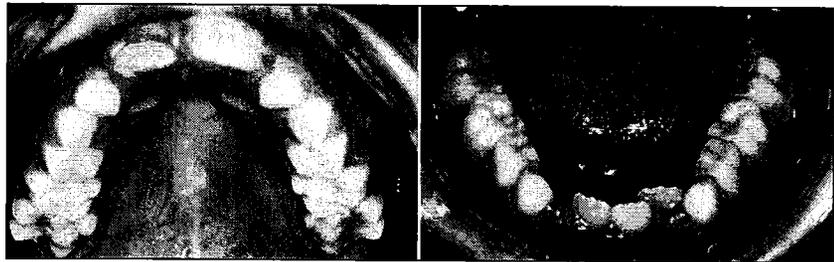


Fig. 15. High palatal vault; narrow maxillary and mandibular arch.



Fig. 16. A boy aged 6 years, 7 months with upper airway obstruction.



Fig. 17. The swollen tonsils of the patient in Figure 16.

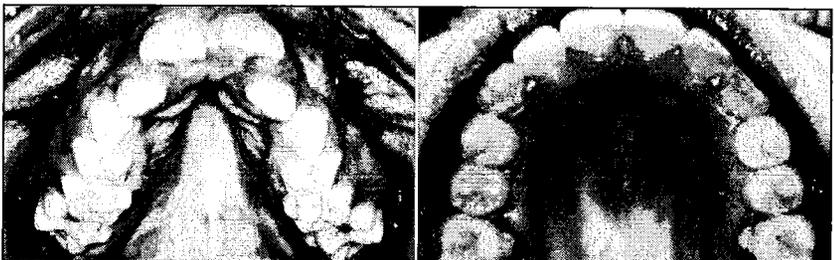


Fig. 18. A high, narrow palatal arch treated with an expansion appliance.

frenum and ankylotic tongue can prevent normal functioning of the tongue. Any of these abnormal myofunctional habits can cause the face and dentitions to de-

velop abnormally (Fig. 19 and 20).

As emphasized previously, upper airway obstruction should be corrected prior to orthodontic treatment. After

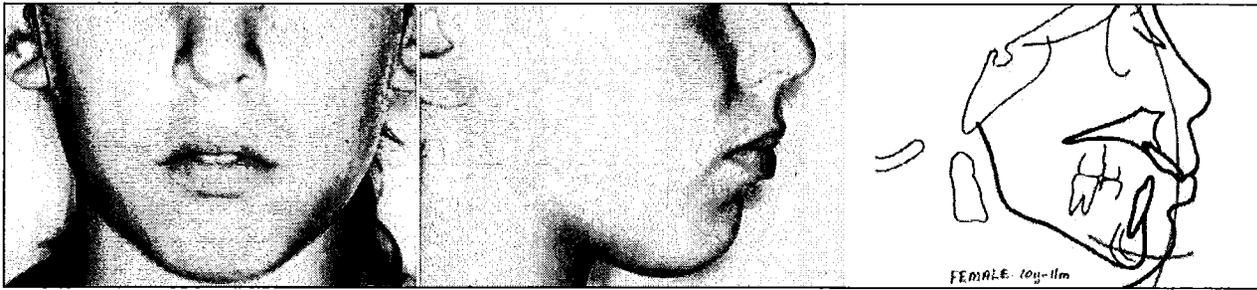


Fig. 19. A girl aged 10 years, 11 months with abnormal facial growth due to mouth breathing and anterior tongue thrust.

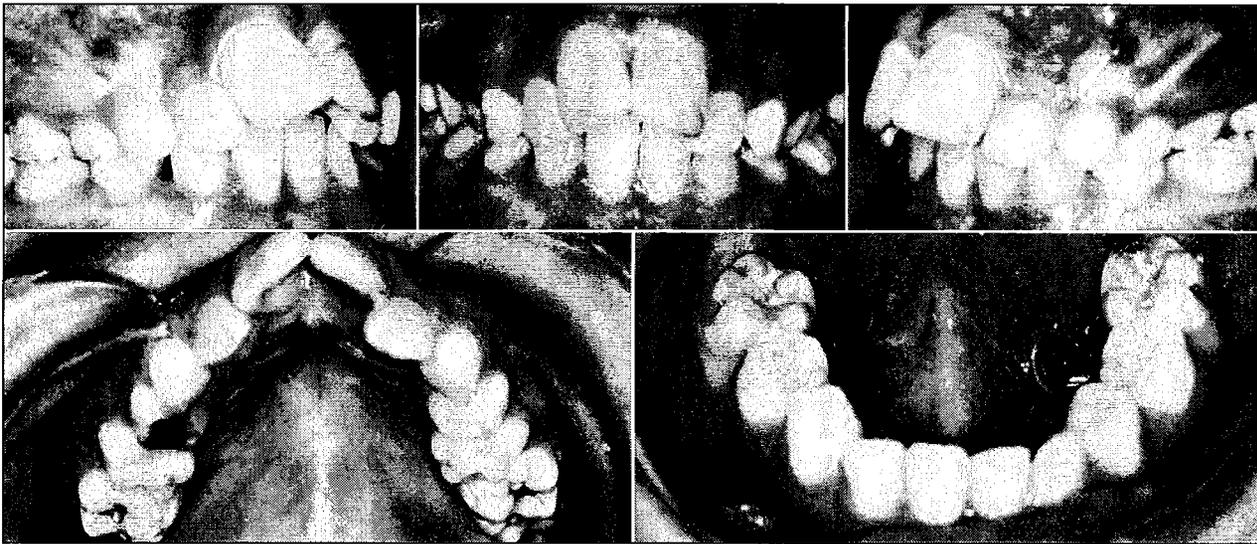


Fig. 20. Abnormal arch and dental development due to mouth breathing and anterior tongue thrust.

orthodontic treatment, any abnormal myofunctional habits should be treated by a qualified myofunctional therapist. If the upper airway obstruction or any abnormal myofunctional habits are left untreated, there is a greater chance of relapse after orthodontic treatment.

Conclusion

The 2000 report of the Surgeon General stated, "Oral health means much more than healthy teeth. It means being free of chronic oral-facial pain conditions, oral and pharyngeal [throat] cancers, oral soft tissue lesions, birth defects such as cleft lip and palate, and scores of other diseases and disorders that affect the oral, dental, and craniofacial tissues collectively known as the *craniofacial complex*."⁹³

More and more evidence shows that abnormalities of the craniofacial complex have an enormous effect on facial esthetics, TMJ health, and physiologic

health. These abnormalities can affect emotional and psychological health, behavior and attention deficit/hyperactivity, nocturnal enuresis, and scholastic achievements, while potentially leading to headaches, otitis media, vertigo, hearing loss, scoliosis, lordosis, psoriasis, and a multitude of other medical problems. The craniofacial complex affects the entire human body.^{32,33}

Many practitioners limit their orthodontic diagnosis to dental problems such as crowding and over- or underbites. They tend to overlook other areas of assessments such as nutrition, facial abnormalities, TMD, upper airway obstruction, and myofunctional problems. Without assessing these other areas, 73% of orthodontic problems are not being diagnosed.²⁰ It is our profession's responsibility to look beyond the small confines of the oral cavity and begin to treat the total health and wellness of our patients.

Author information

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An efficacy and safety analysis of a chlorhexidine chewing gum in young orthodontic patients

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Abstract

Aim: The objective of the present study was to investigate the impact of a chlorhexidine (CHX) chewing gum in teenage orthodontic patients on plaque levels, gingival bleeding tendency and tooth staining.

Materials and Methods: A randomized-controlled, double-blind, parallel study was conducted on 31 teenagers in fixed orthodontic therapy. Subjects of the CHX gum group were asked to continue their oral hygiene procedures in conjunction with chewing two pieces of a 5 mg CHX-containing chewing gum for 10 min. twice a day for 3 months. Subjects of the placebo gum group received the same instructions; however, using a CHX-free chewing gum. Plaque levels, gingival bleeding on probing and tooth staining were monitored at baseline and subsequently after 1–3 months.

Results: Plaque levels significantly decreased from baseline at lingual/palatal sites in the placebo gum group. In the CHX gum group, a similar, yet non-significant trend was observed. At buccal sites, plaque levels remained unaffected in both groups. Gingival bleeding tendency significantly decreased in both groups, predominantly at lingual/palatal sites. There were no significant between-group differences in any of the efficacy parameters at any time point. However, the increase in staining was nearly five times higher in the CHX gum group.

Conclusions: There seems to be no indication for a CHX chewing gum in teenage orthodontic patients when used as an adjunct to normal oral hygiene practices.

Key words: chewing gum; chlorhexidine; orthodontic patient

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The presence of fixed appliances during orthodontic therapy is associated with an increased risk of enamel decalcification and gingival inflammation (Morrow et al. 1992, Øgaard 1992). These pathologic implications have been explained by quantitative and qualitative ecologic changes in the oral cavity: orthodontic brackets and bands impair proper mechanical plaque removal and increase the number of plaque-retentive sites (Zachrisson 1976, Boyd 1983). Consequently, increased proportions and absolute counts of *Streptococcus mutans* in supragingival plaque and saliva can be expected in orthodontic patients (Corbet et al. 1981, Mattingly et al. 1983, Scheie et al. 1984). In addition, a shift towards a more pathogenic

subgingival microflora resembling the one usually found in periodontitis patients has been described (Diamanti-Kipiotti et al. 1987, Huser et al. 1990).

As most soft tissue reactions are plaque-related, some inflammatory changes have been observed in orthodontic patients with excellent oral hygiene standards (Zachrisson & Zachrisson 1972). This non-plaque-induced inflammation can be explained by the release of cytotoxic corrosion products from the orthodontic appliances (Grimsdottir et al. 1992). Other non-plaque-related conditions in orthodontic patients include traumatic erosive and ulcerative lesions of the oral mucosa (Shaw et al. 1984).

To counteract the tendency of orthodontic appliances to increase plaque accumulation, attempts should be made to keep them as simple as possible, avoiding hooks and elastomeric rings (Forsberg et al. 1991). Still, the key point in controlling the risk of dental and/or periodontal complications remains the patient's compliance in terms of oral hygiene. Especially in youngsters, motivation is of the utmost importance as they are more prone to develop these complications than adults. Indeed, the former have generally shorter clinical crowns and less fully erupted teeth, which may compromise efficient plaque control (Boyd et al. 1989). In addition, elevated hormonal levels during puberty are associated with an increased degree

of gingivitis and gingival hyperplasia (Boyd 1983). Hence, chemical aids are frequently administered in these high-risk populations including a number of vehicles containing fluoride and/or anti-septics.

The objective of the present study was to investigate the impact of a chlorhexidine (CHX) chewing gum in teenage orthodontic patients on plaque levels, gingival bleeding tendency and tooth staining.

Material and Methods

Experimental design

Thirty-one periodontally healthy teenagers (16 males and 15 females) attending an orthodontic practice volunteered for this randomized-controlled, double-blind parallel study. All were in fixed orthodontic therapy according to the Begg method in the upper and lower jaw. This included the application of direct-bonded brackets on the buccal surfaces of all teeth, except for the first molars (and exceptionally also the second molars), which received glassionomer-cemented bands (3M Unitek™, Monrovia, CA, USA). The exclusion criteria were: systemic conditions, antibiotic therapy 6 weeks before or during the study, caries lesions and the presence of more than five inter-proximal restorations. If subjects fulfilled the selection criteria, their parents were informed and a consent form was signed at a screening visit in case of participation.

Orthodontic therapy was systematically preceded by a thorough prophylaxis. Immediately following the application of the fixed orthodontic appliances, which was carried out 2–6 months before the start of the study, oral hygiene instructions were given by one and the same clinician. All patients were provided with the same orthodontic toothbrush (P35, Oral B Laboratories, Isleworth, UK), inter-dental bristles (Ø 2.5 mm, Oral B Laboratories, UK) toothpaste (Elmex®, GABA BV, Almere, the Netherlands) and mouthwash (Elmex®, GABA BV). Oral hygiene was reviewed at each re-assessment and, if necessary, reinforced.

At baseline, efficacy and safety parameters were recorded by one and the same calibrated clinician. Thereupon, a prophylaxis was performed and patients received a code number randomly assigning them to the CHX gum group (16 patients) or the placebo gum group

Table 1. Demographic details

Group	No. of patients	No. of males	No. of females	Age (mean ± SD)
Chlorhexidine gum group	16	9	7	12.4 ± 1.59
Placebo gum group	15	7	8	12.3 ± 1.75

(15 patients). The allocation to one of these groups was concealed from both the clinician and the patient. Table 1 shows that both groups were comparable with respect to gender and age. The study protocol was approved by the Ethical Committee of the University Hospital in Brussels.

Study groups

Subjects of the CHX gum group were asked to continue their oral hygiene procedures in conjunction with chewing two pieces of a CHX chewing gum (Fertin A/S, Vejle, Denmark) for 10 min. twice a day after brushing/meal during 3 months. This chewing gum is delivered in 800 mg pieces containing 447 mg sorbitol as a sweetening agent and 5 mg CHX diacetate.

Patients of the placebo gum group were given the same instructions; however, in this group a CHX-free chewing gum (Fertin A/S) was used. Except for the absence of CHX, this placebo gum is identical in composition to the CHX gum.

At baseline and at the re-assessment visits after 1 and 2 months, patients were provided with a registered and sufficient number of chewing gums to consume during the following month. In order to evaluate compliance, they were asked to collect all gum packings and to bring them at each re-assessment.

Examination criteria

The following response parameters were recorded in a sequential order by the same trained clinician at baseline, and subsequently after 1, 2 and 3 months:

1. The staining index (SI) by Sabzevar (1996b) was recorded on the buccal and lingual/palatal surfaces of the incisors in the upper and lower jaw. This interval-scaled index combines planimetric and photographic techniques to assess the amount of tooth staining. In brief, the outline of the stained tooth surface is manually drawn on a form representing the buccal and lingual/palatal tooth sur-

faces provided with a superimposed grid of 4 mm × 4 mm squares, the latter being used as reference points during drawing. From these records, black India ink tracings of all stained areas are produced per tooth surface of all incisors in a constant position on a transparent sheet. In addition, tracings are made from the outlines of the buccal and lingual/palatal surfaces of these teeth in the same constant position. Subsequently, all images are digitized with a video camera (AxioCam MRc, Carl Zeiss, Oberkochen, Germany) in order to perform Automatic Image Analysis. Using the KS400 (Zeiss) software and a macro, the total tooth surface area is determined by the closed contour line. For each tooth surface, the total stained surface area is then calculated as the sum of all quantitated surfaces in a single tooth field and expressed as a proportion of the total tooth surface area (%). The technique was found to be highly reproducible as described by Sabzevar (1996b).

2. The bleeding on probing index (BoPI) was measured at six sites (mesial, central, distal buccally as well as orally). The scores ranged from 0 to 2: 0 = no bleeding; 1 = point bleeding within 10 s; and 2 = abundant bleeding within 10 s.
3. The plaque index (PI) Quigley and Hein (1962) was measured at six sites (mesial, central, distal; buccally as well as orally) following plaque disclosure using red Rondell Disclosing Pellets (Svenska®, Väsby, Sweden). The scores ranged from 0 to 5.

All recordings were made without access to previous measurements to avoid measurement bias.

At study termination, all patients were asked to respond to a set of questions regarding chewing gum taste, adherence and hardness by means of a questionnaire.

Sample size calculation

Calculations were based on data from a previous study on the clinical efficacy of

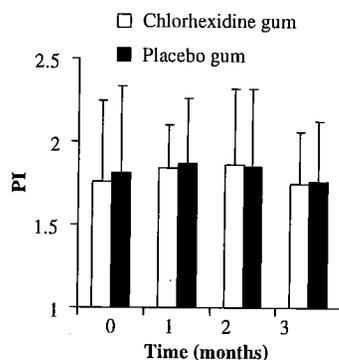


Fig. 1. Changes in plaque levels over time. The data are depicted per group (chlorhexidine gum group versus placebo gum group).

the CHX chewing gum in periodontal maintenance patients (Sabzevar 1996a) and a proposed comparison of two means using the independent samples *t*-test. We defined a difference in the primary outcome variable PI of 0.5 between the groups as clinically significant. Using a significance level of 5% and a statistical power of 80% gave a sample size of 15 patients per group. We included 16 patients in the CHX gum group and 15 patients in the placebo gum group.

Calibration session

The clinician charged with clinical assessments was calibrated for PI recordings before the start of the trial. Three orthodontic patients wearing fixed appliances were enrolled for this purpose. Following plaque disclosure, duplicate measurements ($n = 492$) were collected with an interval of 30 min. between the first and the second recording.

Statistical analysis

Data analysis was performed with the patient as the experimental unit. For all response parameters, the mean values per subject and per visit were calculated. The independent samples *t*-test was applied to detect differences in these parameters between the CHX gum group and the placebo gum group at baseline. The clinical changes over time within each group (within-group comparison) and the impact of the group on these parameters (between-group comparison) were examined by means of repeated measures ANOVA with group, time and their interaction as fixed effects

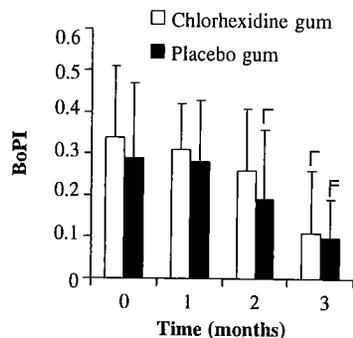


Fig. 2. Changes in bleeding on probing tendency over time. The data are depicted per group (chlorhexidine gum group versus placebo gum group). Within-group differences: $0.005 < p \leq 0.05$; $p \leq 0.005$ (between baseline and follow-up visits).

and the patient as a random effect. A model with the measurements at baseline, months 1, 2 and 3 was used to compare the changes over time in the two groups (interaction effect). If a statistically significant difference was observed, post hoc tests were performed to determine its source. In addition, a site-specific similar analysis for the efficacy parameters was performed separately considering buccal sites and lingual/palatal sites, again using the patient as the unit of analysis. The level of significance was set at 5%.

Results

Thirty-one subjects entered the study and all completed it. Compliance in terms of chewing gum use was excellent in both groups as all gum packings were empty at each reassessment.

Intra-examiner repeatability was good for PI (79% identical agreement between first and second recording; Cohen's weighted κ : 0.84).

Plaque levels

There were no significant within-group or between-group differences in full-mouth plaque levels at any examination point (Fig. 1). However, when scrutinizing the data separately considering buccal and lingual/palatal sites per group, plaque levels significantly decreased from baseline at lingual/palatal sites in the placebo gum group, pointing to a reduction of 0.12 at study termination ($p \leq 0.05$). In the CHX gum group, however, the reduction of 0.11 at 3-month follow-up was not statistically significant ($p = 0.07$). There were no

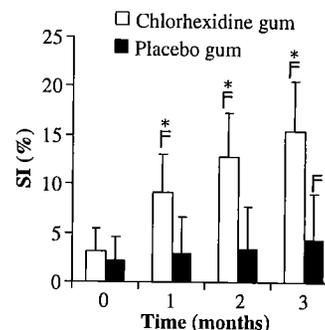


Fig. 3. Changes in tooth staining over time. The data are depicted per group (chlorhexidine gum group versus placebo gum group). Within-group differences: $p \leq 0.005$ (between baseline and follow-up visits). Between-group differences: $*p \leq 0.005$.

significant differences in plaque levels at lingual/palatal sites between the groups at any time point. At buccal sites, there were neither significant within-group nor between-group differences in plaque levels (Table 2).

Gingival bleeding on probing

Figure 2 shows the changes in full-mouth gingival bleeding tendency over time in the two groups. In the placebo gum group, a significant decrease of 0.10 from baseline was established after 2 months of daily chewing ($p \leq 0.05$). At study termination, the BoPI was significantly decreased from baseline by 0.19 in the placebo gum group ($p \leq 0.005$) and 0.23 in the CHX gum group ($p \leq 0.05$). There were no significant between-group differences at any examination point. Scrutiny of the data revealed that the largest reductions in gingival bleeding tendency occurred at lingual/palatal sites in both groups: at study termination, BoPI decreased by 0.28 ($p \leq 0.005$) and 0.29 ($p \leq 0.005$) from initial values in the placebo gum group, respectively, in the CHX gum group. In the placebo gum group, the reduction of 0.12 at buccal sites was also statistically significant ($p \leq 0.05$). There were no significant between-group differences in BoPI either at lingual/palatal sites or at buccal sites at any time point (Table 2).

Tooth staining

Figure 3 shows the mean proportion (%) of the total tooth surface area covered by tooth staining over time in the two groups. In the CHX gum group, a significant increase of 6.1% ($p \leq 0.005$) in

Table 2. Site-specific changes in response parameters

Response parameter	Group	Buccal sites*	Lingual/palatal sites*
Plaque Index	Chlorhexidine gum group	-0.05	0.11
	Placebo gum group	0.02	0.12 [†]
Bleeding on Probing Index	Chlorhexidine gum group	0.08	0.29 [†]
	Placebo gum group	0.12 [†]	0.28 [†]
Staining Index	Chlorhexidine gum group	-12.4% ^{†§}	-12.3% ^{†§}
	Placebo gum group	-4.7% [†]	0.4%

*Mean change from baseline at study termination; positive value = decrease in reference to baseline; negative value = increase in reference to baseline

Within-group differences:

[†]0.005 < $p \leq 0.05$;

[‡] $p \leq 0.005$ (between baseline and 3 months follow-up).

Between-group differences:

[§] $p \leq 0.005$.

reference to baseline was already established after 1 month. Tooth staining systematically increased in this group, pointing to a rise of 12.4% ($p \leq 0.005$) from baseline at study termination. This phenomenon occurred to a comparable extent at buccal (12.4% - $p \leq 0.005$) and lingual/palatal sites (12.3% - $p \leq 0.005$; Table 2). In the placebo gum group, a significant increase in tooth staining by 2.1% ($p \leq 0.005$) was only found at 3 months. Interestingly, this only occurred at buccal sites (4.7% - $p \leq 0.005$; Table 2). At 1, 2 and 3 months, tooth staining was significantly higher in the CHX gum group in comparison with the placebo gum group ($p \leq 0.005$).

Questionnaire

The results of the questionnaire revealed that eight out of the 16 patients in the CHX gum group disliked the taste of the chewing gum. In the placebo gum group, however, this proportion was considerably lower (three out of 15 patients). In the CHX gum group, five out of the 16 patients and in the placebo gum group, three out of the 15 patients reported no adherence of the chewing gum to their brackets, which is a relatively comparable proportion. In the CHX gum group, 10 out of the 16 patients and in the placebo gum group, eight out of the 15 patients claimed that the chewing gum was too hard to chew, which is again relatively comparable.

Discussion

The use of CHX as an effective anti-plaque agent has been established (Addy 1986). Consequently, a number of vehicles containing this chemical agent have

been developed, among which a chewing gum. An appealing advantage of this vehicle is its compatibility with daily activities.

The efficacy of CHX is dose related (Cumming & L oe 1973, Jenkins et al. 1994). Short-term clinical studies in healthy adolescents and adults have shown an excellent plaque growth-inhibiting effect when a daily dose of 20 mg is intra-orally delivered by means of chewing two pieces of a 5 mg CHX-containing chewing gum for 10 min. twice a day (Ainamo & Etemadzadeh 1987, Ainamo et al. 1990, Tellefsen et al. 1996, Simons et al. 1999). Interestingly, this anti-plaque effect appeared similar to the effect of a 0.2% CHX rinse for 1 min. two times per day even though using the latter corresponds to a daily dose of 40 mg CHX (Ainamo et al. 1990). In addition, the CHX chewing gum demonstrated similar beneficial effects to plaque and gingivitis levels than a 0.2% CHX solution when using them as an adjunct to existing oral hygiene measures (Smith et al. 1996). These observations are probably related to a longer contact time of a chewing gum in the oral cavity as compared with a mouthrinse, which is imperative from a clinical viewpoint as a lower dose of the active agent may potentially reduce side effects. This was confirmed in a clinical study by Smith et al. (1996): a CHX chewing gum (two pieces of 5 mg used for 10 min. twice a day) significantly induced less tooth staining than a CHX mouthwash (10 ml of a 0.2% rinse used for 1 min. twice per day) in an 8-week observation period.

Besides the effects of a CHX chewing gum in healthy subjects, few have studied its potential in high-risk populations for plaque-related diseases. To our knowledge, this is the first efficacy and safety

analysis of a CHX chewing gum used by teenagers in fixed orthodontic therapy as an adjunct to existing oral hygiene measures. The results indicate no impact of using a chewing gum on full-mouth plaque levels in a 3-month period, which seems to contrast earlier findings on the use of polyol gums in orthodontic patients (Isotupa et al. 1995). However, when lingual/palatal and buccal sites were separately analysed, significant plaque reduction was observed at the former in patients using a placebo gum. In the CHX gum group, a similar, yet non-significant trend was observed. The lack of statistical consolidation in the latter is possibly related to variation in tooth-cleaning efficacy. That is, a slight deterioration in toothcleaning efficacy may affect plaque levels, possibly masking a plaque-reducing effect of a chewing gum. At buccal sites, plaque levels remained unaffected at all times in both groups. These observations suggest that a chewing gum induces a mechanical cleansing effect at lingual/palatal sites. The presence of brackets on the buccal sites may protect established dental plaque from this cleansing effect, explaining the status quo of plaque levels at these sites. In fact, this protective effect by orthodontic appliances was earlier described by Brightman et al. (1991). The lack of a CHX-related additive effect supports the idea that CHX is less effective at removing existing plaque than preventing de novo plaque accumulation (L oe & Rindom-Schiott 1970), even though this has been challenged by others (Corbet et al. 1997). Anyhow, as the results of this study show, incorporating CHX into a chewing gum has no additional value in reducing plaque levels in teenage orthodontic patients.

Our data show a significant reduction in gingival bleeding tendency on probing as a result of using a chewing gum after a 3-month observation period. The largest reductions occurred at lingual/palatal sites in both groups, which is not surprising taking into account the impact of a chewing gum on plaque levels at these sites. Interestingly, as CHX has been found to be effective in the prevention and treatment of plaque-related gingivitis (L oe & Schiott 1970, L oe et al. 1976, Quirynen et al. 2001), incorporating this active agent into a chewing gum does not additionally decrease gingival bleeding tendency, at least not in teenagers in fixed orthodontic therapy.

In contrast to our findings of a CHX chewing gum on plaque and gingivitis

levels in orthodontic patients, significant benefits have been described in other populations at risk. Sabzevar (1996a) concluded that a CHX chewing gum was more effective in reducing plaque and gingivitis levels than a placebo gum or even repeatedly reinforced oral hygiene instructions in periodontal maintenance patients. Similarly, Simons et al. (2001) described a superior effect of a CHX chewing gum on plaque and gingivitis scores in comparison with a xylitol-containing gum in elderly in residential homes who had been using one of these chewing gums for 1 year. The lack of accordance with the results of the present study can be explained as follows: first, orthodontic patients are distinguished from periodontal maintenance patients and elderly by the presence of brackets and/or bands on practically all teeth. These appliances may not alone facilitate new plaque accumulation; they also protect established plaque from mechanical cleansing, which normally occurs during tooth brushing and mastication (Brightman et al. 1991). Second, the results of the study by Simons et al. (2001) showed high baseline plaque and gingivitis levels, whereas subjects of the present study exhibited low scores: high baseline levels create more potential for improvements and leave more margin for differences to be detected when various strategies are tested. Finally, there is the issue of compliance. In the study by Simons et al. (2001), compliance was verified by filling out a tick chart by the care staff whenever a chewing gum was consumed. In the present study, the number of non-consumed chewing gums was recorded at each reassessment serving as its indicator. In spite of these efforts, compliance can never be fully controlled for especially in terms of contact time of the chewing gum within the oral cavity. This contact time may have been lower for the CHX chewing gum than for the placebo gum in this study, taking into account the fact significantly more subjects disliked its taste. This is important, knowing that the *in vivo* release of CHX from a chewing gum is time related (Ainamo & Etemadzadeh 1987). It has to be anticipated, however, that the intra-oral release of CHX was apparently high enough to induce serious tooth staining in the CHX gum group: the increase in staining from baseline was nearly five times higher in the CHX gum group in comparison with the pla-

cebo gum group. It has been shown earlier that this side effect may be reduced by lowering the dose of CHX by 2 mg per piece without even compromising efficacy, at least not in terms of plaque growth inhibition in healthy subjects (Ainamo et al. 1990). Interestingly, staining also significantly increased in the placebo gum group at buccal sites. This is logical, knowing that some staining may develop over time as a result of dietary habits for which we did not control in this study.

In conclusion, the results of the present study indicate that frequent use of a chewing gum as an adjunct to existing oral hygiene measures may reduce plaque levels and gingival bleeding tendency predominantly at lingual/palatal sites in youngsters undergoing fixed orthodontic therapy. However, these clinical parameters do not seem to be additionally reduced when CHX is incorporated as an active agent. What is more, CHX increases tooth staining by nearly a factor 5. Hence, there seems to be no indication for a CHX chewing gum in teenage orthodontic patients when used as an adjunct to normal oral hygiene practices.

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Clinical Relevance

Scientific rationale: The presence of fixed orthodontic appliances is associated with an increased risk of plaque-related pathology, explaining the need for chemical aids. The aim of this study was to compare a CHX

chewing gum with a placebo gum on plaque levels, gingival bleeding and staining in teenage orthodontic patients.

Principal findings: Plaque levels and gingival bleeding decreased at lingual/palatal sites; yet, CHX did

not additionally reduce these efficacy parameters. In addition, the increase in staining was five times higher in the CHX gum group.

Practical implications: There is no indication for a CHX chewing gum in teenage orthodontic patients.

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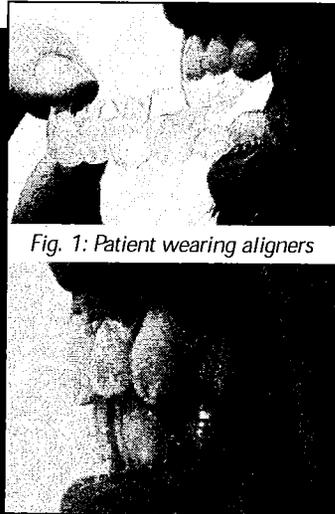


Fig. 1: Patient wearing aligners

AN ESTHETIC AND REMOVABLE ORTHODONTIC TREATMENT OPTION FOR PATIENTS: INVISALIGN®

By Alton Bishop, DDS, MSD
Wm. Randol Womack, DDS
Mitra Derakhshan, DDS, MS

Technology has revolutionized the range of possibilities with orthodontic treatment, from imaging to appliance fabrication. State of the art three-dimensional technology and a unique manufacturing process developed by Align Technology, Inc. has provided the clinician with opportunities for comprehensive orthodontic treatment using a large number of esthetic and removable aligners (Figure 1). The concept of moving teeth with clear vacuum form appliances is not new to orthodontics. Kessling¹ and Nahoum² introduced this concept, Sheridan³ and others^{4,5,6} have built upon it, but movements were still limited to a few millimeters. Computer software graphics and manufacturing technology can produce no two aligners that are the same, and for this reason patients can be treated using a series of early invisible aligners moving teeth from initial to final position incrementally.

The treating clinician begins by sending to Align Technology maxillary and mandibular polyvinylsiloxane (PVS) impres-

sions, a bite registration, photographs, and x-rays in addition to a web-based treatment prescription form. Plaster models are poured and the scanning process begins. A computer communicates with the scanner compiling the layers to create a virtual 3-D image on the computer. The company's virtual orthodontic technicians (VOT) separate the individual teeth using custom-designed software tools. The VOT then moves the individual teeth from initial position to final position based on the treating clinician prescription using proprietary company software, Treat®. A viewing program (ClinCheck™) gives the clinician an opportunity to review the treatment via the Internet. Once the case is confirmed by the treating clinician, the aligners are manufactured using a CAD/CAM (computer-aided design/computer-aided manufacture) process. Each virtual treatment stage is converted into a physical model using laser cured plastic resin. Once these three-dimensional models of the treatment are created, a thermoforming process is used to fabricate the aligners. The aligners are then laser etched, trimmed, polished, and disinfected before being shipped to the treating clinician's office (Figure 2).

Many adults want straighter teeth. One of the obstacles adults face is the unesthetic nature of fixed appliances. Although clear, fixed appliances have been introduced, the

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wire that engages in the brackets remains very visible. Lingual appliances may be used for the esthetically conscientious patient, however Invisalign is equally esthetic with the added benefit of being removable and comfortable. Patients can eat what they wish and maintain their normal hygiene practice, since brackets and wires are not an impediment during brushing and flossing. Invisalign is appropriate for patients with a fully erupted dentition (excluding third molars), which typically occurs by age 14. Applicability for Invisalign, dictation of the treatment plan, and final acceptance of ClinCheck are all determined by the treating clinician. The following two cases were treated using Invisalign.

Case Reports

CASE 1 (Courtesy of Dr. Bishop): A 17 year old female presented with the chief concern of "upper spacing and lower crowding". All hard and soft tissues were healthy. She did present with some thin attached gingiva in the area of her mandibular canines.

Diagnosis: She presents with pleasing and well-balanced facial esthetics. The maxillary midline was centered to the face and the mandibular midline was shifted 2mm to the left. Molars and canines were in Class I with moderate overjet and overbite. There was moderate maxillary spacing and moderate mandibular crowding. She did have a retained mandibular primary left second molar (Figure 3).

Treatment Objectives: The objectives were to maintain the Class I occlusion while alleviating the mandibular crowding through a combination of proclination and interproximal reduction. This would pre-

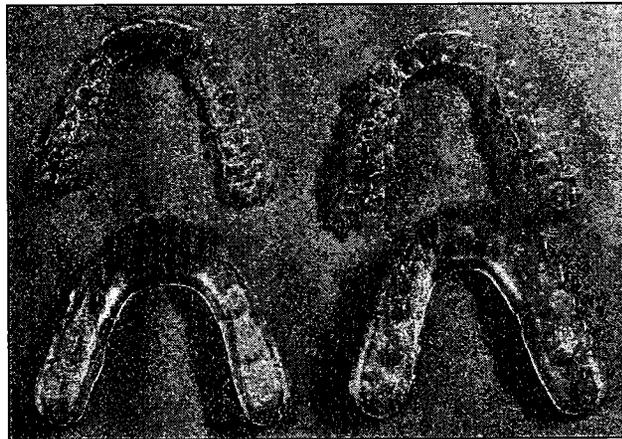


Figure 2: Aligners and SLA models

vent excessive proclination of the mandibular incisors due to the nature of the thin attached tissue. Other objectives were to reduce the overbite through intrusion of the mandibular anteriors. The maxillary incisors were not intruded because of her nice smile. Extrusion of her maxillary laterals and canines was attempted to achieve the esthetic alignment of the maxillary anteriors. All maxillary spacing was to be closed and the primary left second molar retained. Figure 4 shows the final stages of ClinCheck.

Treatment Results: This case was treated with Invisalign. Treatment comprised of 15 maxillary aligners and 18 mandibular aligners. Aligners were changed once every 2 weeks and the patient was seen once every 6 weeks for monitoring. Maxillary treatment time was 7 months and mandibular treatment time was 9 months. The Class I occlusion was maintained. All maxillary and mandibular teeth were

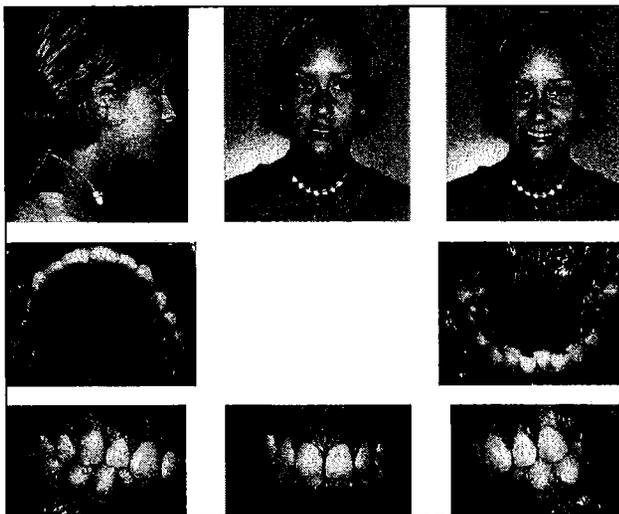


Figure 3: Initial photos for case #1

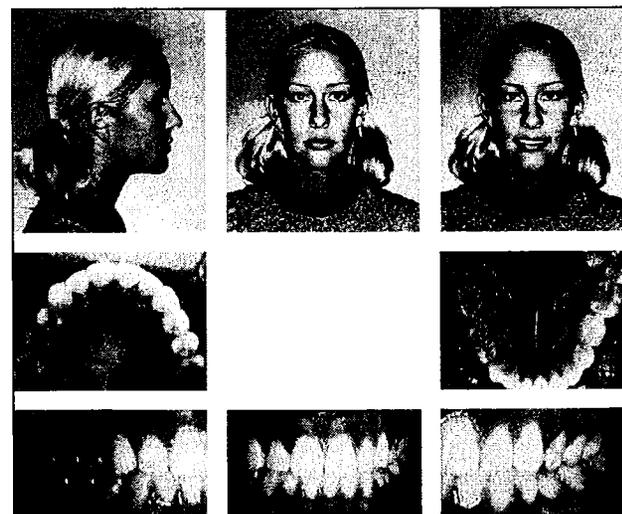


Figure 4: Final photos for case #1

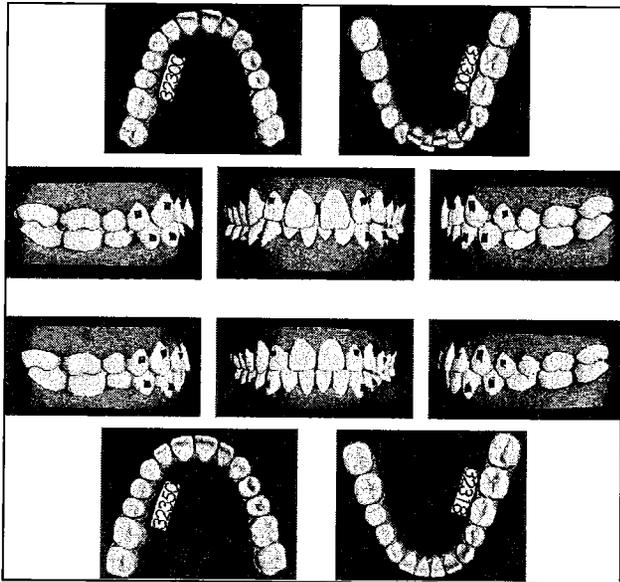


Figure 5: Initial and final stages of ClinCheck for case #1

aligned, the maxillary spaces were closed and the mandibular crowding resolved. The overbite was reduced and the mandibular midline was shifted to the right; the midlines are slightly off. The maxillary right second premolar rotation could have been more complete (Figure 5). Her oral hygiene was maintained throughout treatment since the removable appliances allowed the patient to maintain her oral hygiene practice.

Discussion: In this case, attachments were placed on mandibular canines and first premolars to aid with intrusion of the mandibular incisors. Attachments were also placed on the maxillary laterals and canines for extrusion and the maxillary premolars for rotations. The maxillary right second premolar was not fully rotated. It is important to request overcorrection when submitting an Invisalign case to compensate for possible aligner lag. In this case, it would have been wise to overcorrect all rotations by about 10%. The patient was very pleased with the results of treatment and the timely nature of treatment.

CASE 2 (Courtesy of Dr. Wornack): This 34 year old female's chief concern was that she had "upper and lower crowding". She has history of previous restorative work and bilateral mandibular tori present.

Diagnosis: Facial analysis reveals symmetrical structures. Upon smiling, she has a good lip line to show tooth relationship. In the profile view, lips are full and there is minimal strain upon closure. Molars and

canines are in Class I occlusion. There is minimal overjet and overbite. The mandibular canines are rotated out distally. There is 3mm of maxillary crowding and 5mm of mandibular crowding. The midlines are coincident (Figure 6). Her panorex is within normal limits (Figure 7).

Treatment Objectives: The objectives in this case were to resolve the maxillary crowding with interproximal reduction. Her maxillary central incisors were broad and could be reduced interproximally for esthetics to a more favorable width-to-height ratio. The mandibular incisor crowding was to be resolved with an extraction of the mandibular right central incisor. The mandibular right central incisor was chosen due to the slight recession present as compared to the other teeth. With the retraction of the mandibular incisors, positive overjet and overbite can be achieved. Since her right mandibular incisor will be extracted, her mandibular midline would be centered on the remaining central incisor. The buccal occlusion should be moved minimally, given the nice original occlusal relationship. Figure 8 shows the initial and final stages of ClinCheck. The final stage also serves as the diagnostic set-up. It can be seen that the case would finish out nicely with a mandibular incisor extraction and maxillary interproximal reduction.

Treatment Results: Treatment consisted of 21 maxillary aligners and 21 mandibular aligners. Attachments were placed on the mandibular canines to aid with rotations. Aligners were changed once every 2 weeks and the patient was monitored once every 6 weeks. The Class I occlusion was maintained and the treatment objectives met. The maxillary and mandibular crowding was resolved; positive overjet and overbite were achieved. The midline was centered on the middle of the remaining central incisor. The lower canines were de-rotated; the attachments may have helped with the rotations (Figure 9). The post-treatment panograph show good root parallelism in the extraction site (Figure 10). With mandibular incisor extractions, the use of root tip attachments on the teeth adjacent to the extraction site may be used to aid with tip control.

Discussion: The objectives in this case were met and the result was very nice. The patient was treated in 10 months with an esthetic and removable treatment modality. The oral hygiene was excellent. The maxillary left canine could have been rotated slightly mesial

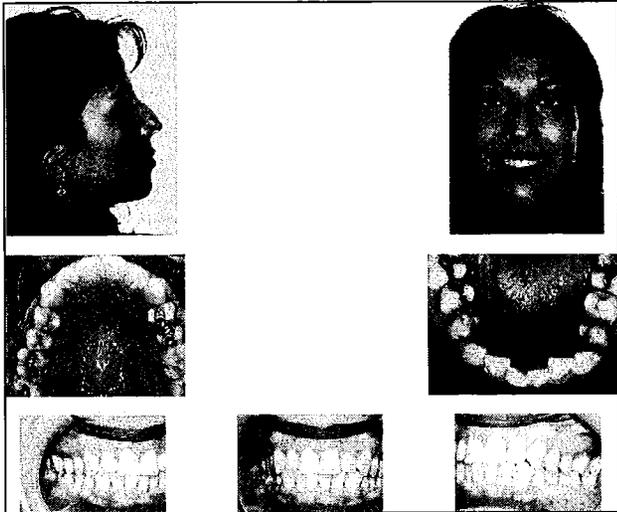


Figure 6: Initial photos for case #2

in. Again, this overcorrection could have been requested when submitting the case.

Conclusions: Both cases show nice results meeting the orthodontists' treatment goals as well as providing an esthetic treatment modality. In addition, patients were able to maintain their oral hygiene with the removable appliance.

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Figure 7: Initial Panorex for case #2



Figure 9: Final photos for case #2

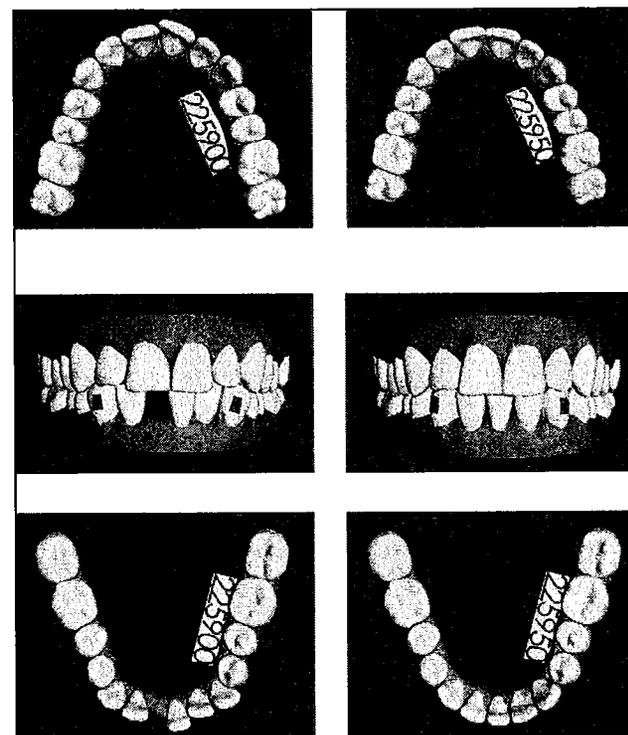


Figure 8: Initial and final stages of ClinCheck for case #2

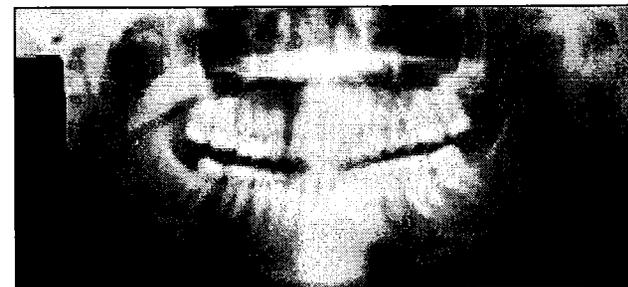


Figure 10: Final Panorex for case #2

toothpaste

Options

by Sondra M. Nickolson, RDH, MEd, RF

With so many different toothpaste choices on the market, each performing a unique function, it is often difficult for patients to determine the best option. For this reason, many patients turn to us — their dental health-care professional — for recommendations. Helping patients select the right toothpaste means more than simply distributing samples your office has on hand. By considering each patient's needs, you can ensure they'll be satisfied with their choice, and this may increase the likelihood of them consulting you when their needs or preferences change.

An old substance with a new image

The earliest record of actual toothpaste was in 1780 and involved a formula containing burnt bread. In the 19th century, charcoal became very popular for cleaning teeth, and most

How To Determine What
Is Best for Your Patient

Toothpastes

toothpaste was in the form of a powder. Just like today, the purpose of 19th century tooth powder was to clean teeth and freshen breath.¹

Today's toothpaste is defined as a substance used with a toothbrush or other applicator to remove the dental biofilm, *Materia alba*, debris, and stain from the teeth, tongue, and gingiva for cosmetic, therapeutic, or preventative purposes.² The specific type of dentifrice recommended to a patient depends on a number of factors, including need, preexisting oral health conditions, and desired outcome. For many patients, the outcome is as simple as the prevention of dental caries and the maintenance of good oral health. Others, however, select toothpaste designed to reduce or eliminate painful sensitivity, help relieve canker sore flare-ups, or improve the esthetic appearance of their teeth.

The American Dental Association outlines four guidelines that demonstrate a correlation between particular toothpaste ingredients and their effects on patients' oral health:³

- Decreased incidence of caries with toothpaste containing fluoride
- Decreased incidence of dentin hypersensitivity with desensitizing toothpaste
- Decreased plaque accumulation with antibacterial/antimicrobial toothpaste
- Cosmetic whitening with products containing agents that alter enamel color

Fluoride in toothpaste

For more than 30 years, fluoride has been a critical ingredient in toothpaste, used to inhibit the development of dental caries.⁴ Multiple research findings spanning decades have proven that fluoride use slows the onset of caries. The protective role of fluoride against dental caries, or tooth decay, was first recognized in the mid-1930s, when studies showed that children drinking fluoridated water developed caries less frequently than children with drinking water supplies low in fluoride concentration.⁵ General Richard H. Carmona, former U.S. Surgeon General, has joined with many previous U.S. Surgeon Generals in endorsing community water fluoridation as a cost-effective public health measure for preventing tooth decay.

Fluoride can perform both preventive and restorative functions, halting the development of carious lesions caused by harmful bacteria, and aiding remineralization of demineralized tooth surfaces.⁶ Toothpaste containing fluoride, when used twice daily, can be an effective way to enhance the remineralization process and control the development of caries.⁷ In fact, reports state that there is roughly a 30 percent reduction in caries when fluoride is used daily.⁸ Fluoride works by incorporating itself into tooth enamel, making teeth more resistant to acids produced by bacterial plaque and acids found in juices, sodas, and certain foods. In addition, the frequent use of a low-con-

The specific type of dentifrice recommended to a patient depends on a number of factors, including need, preexisting oral health conditions, and desired outcome.

centration fluoride, such as toothpaste, has been demonstrated to be an effective public health measure to prevent caries.⁹

Dentinal hypersensitivity and desensitizing toothpastes

Dentin hypersensitivity is highly prevalent, affecting approximately 22 percent of adults in the United States.¹⁰ The condition is defined as a short, sharp, painful response from exposed dentin in response to stimuli that cannot be ascribed to any other form of dental defect or pathology.¹¹ Tooth wear, particularly erosion and abrasion of the tooth surface, is frequently related to dentinal hypersensitivity.

Erosion and abrasion can weaken the integrity of the enamel surface, making it vulnerable to wear, resulting in the dentinal tubules being exposed to outside stimuli and exhibiting greater tooth sensitivity.¹² Erosion, defined as the pathological wear of teeth from a chemical dissolving process, can result from the frequent consumption of acidic fruits and soft drinks. Abrasion, or the pathological wear of teeth from a mechanical or rubbing process, can result from "toothpaste abuse," a term used to describe overzealous and repeated brushing with toothpaste. Studies show that all toothpastes have the ability to cause abrasion, regardless of the type of brush used.¹³

Antisensitivity toothpaste containing 5 percent potassium nitrate (KNO₃) can reduce intradental nerve activity and interrupt pain impulses, thereby reducing pain.¹⁴ Patients should be advised to brush with an antisensitivity toothpaste twice a day, and continue everyday use for long-term relief. In addition, dental professionals should ask specific questions during every routine cleaning to determine if patients are suffering from dentin hypersensitivity.

Antibacterial and antimicrobial toothpastes

Toothpastes containing antimicrobial agents successfully prevent plaque and gingivitis.¹⁵ The key ingredient in these toothpastes, called triclosan, is a clinically tested antibacterial agent designed to remove harmful bacteria that can cause periodontal disease.¹⁶ Used extensively in consumer products such as deodorants and soaps, triclosan has recently been included in oral care products, specifically toothpastes and mouth rinses. Though only one brand of triclosan-containing toothpaste is currently available in the United States, this figure is expected to increase.

Triclosan works by inhibiting the growth of anaerobic bacteria that are responsible for gingivitis and periodontal disease. Additionally, its antimetabolic and anti-inflammatory properties further reduce plaque build-up and gingivitis.¹⁶ A recent study found a 52 percent reduction in salivary bacteria four hours after brushing with a toothpaste containing triclo-

san.¹⁷ Another study revealed a significantly slower progression of periodontal disease in patients brushing with toothpaste that contains triclosan.¹⁸

Cosmetic whitening toothpastes

Tooth whitening is quickly becoming one of the most popular dental treatments, both in the dental office and at home with over-the-counter (OTC) treatments. According to the American Academy of Cosmetic Dentistry, tooth whitening is the most requested cosmetic dental procedure by patients between the ages of 20 and 50.¹⁹ Unfortunately, most whitening patients don't know that tooth sensitivity is the most common side effect of professionally dispensed and OTC whitening treatments. Data suggest that up to 75 percent of patients who undergo professional tooth whitening may experience sensitivity.²⁰ Patients can help prevent and reduce whitening-related sensitivity by brushing with an antisenstivity toothpaste containing potassium nitrate for two weeks prior and during professional whitening.²¹

Whiter teeth can also be achieved by using whitening toothpastes, and can be used in conjunction with in-office whitening treatments. While some whitening toothpastes use abrasives that remove plaque and debris from the enamel surface, others contain compounds that break down discolored debris that can build up on the enamel surface. Guidelines for whitening toothpastes have been developed by the ADA's Council on Scientific Affairs (CSA).²² The CSA states that a whitening claim may be used if teeth lighten by two or more shades over six months. Only products that have been granted the ADA Seal of Acceptance for whitening toothpaste are currently on the market.²³

For patients concerned about whitening-related sensitivity, toothpastes that simultaneously whiten and guard against sensitivity may be the best option. Sensodyne Full Protection Plus Whitening Toothpaste (GlaxoSmithKline Consumer Healthcare) and Colgate Sensitive Maximum Strength Plus Whitening (Colgate-Palmolive Company) both contain fluoride and potassium nitrate agents to prevent dental

caries and provide relief for patients with sensitive teeth.²⁴

Guide your patients

Dental health care professionals can help patients determine which toothpaste is best for them by listening to their preferences and being mindful of their unique oral health-care needs. When making recommendations to your patients, it is important to take their overall oral health into consideration, including any preexisting conditions that may affect the specific type of toothpaste they need. When facing a multitude of toothpaste options in the oral care aisle of the neighborhood store, patients may feel lost and confused with the wide variety of choices. You can help them sort through the complexity, and in the process foster a positive patient relationship that keeps them coming back to you for further oral care guidance. **RDH**

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Bowman J.. More than lip service: facial esthetics in orthodontics. JADA 1999 130: 1173-81..Copyright 1999 American Dental Association. All rights reserved. Reprinted with permission.

Cover Story

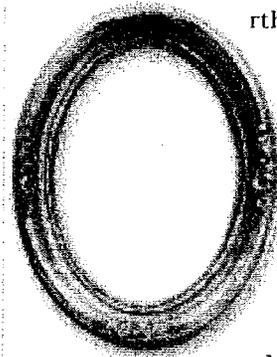
MORE THAN LIP SERVICE: FACIAL ESTHETICS IN ORTHODONTICS

S. JAY BOWMAN, D.M.D., M.S.D.

Background. Current trends in orthodontic care emphasize alternatives to the extraction of premolars, despite a lack of support from the refereed literature for many of the nonextraction treatments.

Description of the Situation. Anecdotal reports published in non-peer-reviewed journals have called into question the esthetic effects of extraction treatment. As calls for evidence-based treatments increase throughout dentistry, reports on the effects—both positive and negative—of different orthodontic options have appeared in growing numbers.

Clinical Implications. Given the results of a variety of reports in the peer-reviewed literature, it may be concluded that orthodontic treatment involving extractions can produce improved esthetics for many patients who have some combination of crowding and protrusion. However, careful diagnosis followed by evidence-based treatment decisions should be the accepted clinical norm as the specialty of orthodontics embarks on its second century.



Orthodontics is concerned with facial form and appearance. In the late 1800s, the father of modern orthodontics, Dr. Edward Angle, a devout nonextractionist, saw a bust of Apollo Belvedere as the epitome of facial beauty and the gold standard that guided his treatment.¹

Angle believed that every mouth could accommodate all 32 teeth and, therefore, he contended that proper orthodontic treatment involved dental arch expansion. Interestingly enough, the late Elvis Presley appears to be the only contemporary popular icon who exhibits a similar profile. Indeed, if we were to critique this sort of profile in light of the current nonextraction-at-all-costs climate, some might say that Apollo and “the King” had had an unfortunate encounter with an “extraction orthodontist.”

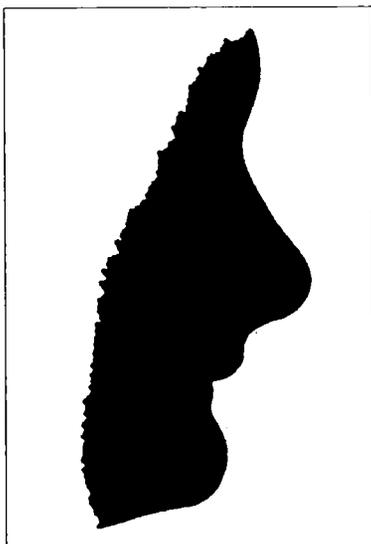


Figure 1. Example of facial esthetics adversely affected by extraction orthodontics as reported by Witzig and Stahl⁸ and depicted by Drobocky and Smith.¹⁰ In a Washington University study of 160 patients who had undergone extraction,¹⁰ randomly selected from a variety of orthodontic practices, none demonstrated facial measurements as extreme or as unusual as this anecdotal case. (Reprinted with permission of the publisher from Drobocky and Smith.¹⁰)

The fear of the "dished-in" profile, said commonly to result from the extraction of premolars (Figure 1), is derived largely from isolated lawsuits and carefully selected reports of unfavorable results.²⁶ Unfortunately, the allegation that the techniques of traditional orthodontics regularly "flatten" facial profiles and produce temporomandibular joint disorder, or TMD, have significantly altered today's orthodontic treatment plans. Extraction rates have decreased, despite the absence of a rational theoretical basis or support from refereed scientific literature for such action.⁷ In the process, increasing numbers of orthodontists have eagerly assayed all manner of treatment methods designed to avoid premolar extractions. In

many instances, these efforts appear designed to prevent lost referrals or to preclude a courtroom encounter, rather than to avoid some proven defect in conventional treatments.

Unfortunately, most of the alternatives to extraction—arch expansion or development, "flaring" or bite jumping—have more in common with orthodontics of the 19th century than what we might expect to see in the 21st century. Many, if not all, of these older treatment methods were discarded decades ago by insightful orthodontists such as Charles Tweed, P.R. Begg, Robert Strang, Hays Nance and Calvin Case because of instability, poor facial esthetics and iatrogenic or undesirable periodontal effects. More to the point, orthodontists long ago challenged Angle's "arch development" concepts and began to extract teeth to improve poor facial esthetics and to avoid creating bimaxillary protrusion. It seems as though orthodontists have forgotten orthodontia's history lessons and thus will be forced to repeat them.

DOES EXTRACTION HARM FACIAL APPEARANCE?

Researchers at the University of Iowa⁹ enlisted the assistance of 39 laypeople to evaluate a sample of 91 orthodontic patients, among whom 44 had undergone extraction and 47 had not. Both types of orthodontic treatment—extraction and nonextraction—were perceived to have had a favorable impact on facial appearance. Each patient's treatment had been selected on the basis of specific diagnostic criteria that argued sometimes for extraction and sometimes for nonextraction. Under these conditions, both

treatments produced beneficial esthetic changes.

According to commonly accepted criteria, premolar extractions sometimes may be a necessity, especially if reduction in protrusion is a treatment goal. In an assessment of the profiles of 40 preadolescent patients, based on the Steiner, Merrifield and Ricketts cephalometric analyses, it was suggested that 50 percent might benefit from some profile reduction.⁹ The necessary lingual incisor movement, however, requires space of the amount commonly achieved by extraction. The proclination associated with expansion strategies would be inappropriate if profile improvement is desired by patient and practitioner.

Washington University investigators¹⁰ examined 160 orthodontic patients who had had premolar extractions. On the basis of soft-tissue measurements, the researchers concluded that 90 percent of the facial profiles were improved by treatment or at least left unchanged (Figure 1). Similar results were reported at the University of Murcia, Spain.¹¹ Young and Smith¹² compared 198 orthodontic patients who had not undergone extraction with patients in the Washington University extraction sample. They found that both types of treatment tended to produce similar facial results. In other words, if based on sound diagnostic criteria, extraction was not found to be detrimental to facial esthetics.¹² This might be expected, given that normal facial growth often produces more profound effects on the profile than does the relatively brief phase of orthodontic treatment.¹⁰

If extraction treatment regularly produces negative facial

changes, this impact should be obvious to experts in facial esthetics. Researchers at the University of Mississippi¹³ compared three randomly chosen samples of patients who had had orthodontic treatment involving extractions, patients who received orthodontic treatment but had not had extractions, and patients who had received no orthodontic treatment, 15 subjects in each group. Forty general practitioners individually evaluated the 45 posttreatment facial profiles presented in random order. The observers could correctly identify the patients who had had orthodontic treatment of any kind 52 percent of the time. In identifying the patients who had undergone extractions, the dentists were accurate 49 percent of the time. Orthodontic specialists fared little better, demonstrating 55 percent and 52 percent accuracy in identifying patients who had had orthodontic treatment but no extractions and the patients who had had extractions, respectively. In other words, a coin toss would have been about as good.

Interestingly enough, a subset of general dentists who emphasized orthodontics in their practices were more likely to identify patients erroneously as having had extractions if they exhibited "flat" facial profiles (such as those of Apollo and Elvis Presley). Misidentification by this group was significantly higher ($P < .03$) than by the other practitioners tested. In the end, presumed experts in facial esthetics of many stripes were unable to perceive any systematic detrimental effects of orthodontic treatment involving premolar extractions.

FACIAL ESTHETICS: THE PATIENT'S VIEW

Given the well-documented trend toward nonextraction treatment, dental professionals and laypeople may have come to view facial and smile esthetics differently.^{14,17} Among celebrities, the general public appears to find esthetically appealing a range of profiles that run from flat to full—Jacqueline Onassis; Diana, Princess of Wales; Chelsea Clinton; and Mick Jagger.¹⁸ Perhaps dentists have been sensitized to features that may not be of significance to the general public.¹⁹ Parents of orthodontic patients, for instance, are more accepting of untreated facial profiles than are orthodontists.¹⁶ Although patients rated Class II and III profiles as less pleasant than Class I profiles,²⁰ they also were less critical than professionals,^{17,21} a finding that emphasizes the need to involve the patient in the treatment planning process. Given the public's apparent flexibility and tolerance, it would be an important finding if extraction-based orthodontic treatment produces results that are seen as consistently detrimental.

Oynick²² asked panels of observers to evaluate the treatment results for 50 patients with Class II, Division 1 malocclusions, some of whom had had extractions and some of whom had not. The pre- and posttreatment profiles were shown to 50 adolescent and 50 adult laypeople and to 10 orthodontic instructors. Approximately 62 percent of the extraction profiles and 50 percent of the nonextraction profiles were thought by the entire panel to have been improved by treatment. A sub-

sequent evaluation of 120 Class I and II extraction and nonextraction cases by two panels, one consisting of 42 dentists and the other of 48 laypeople, produced similar results.²³ In this instance, 63 percent of extraction profiles, but only 27 percent of nonextraction profiles, were believed to have benefited from treatment. The results of these two studies imply that both the public and dental practitioners see a positive impact resulting from extraction treatment for patients whose dentition is crowded and/or protrusive. However, both extraction and nonextraction treatments may prove detrimental to facial esthetics if wrongly applied.

Researchers at Saint Louis University^{24,27} have published a series of articles detailing a long-term comparison of the effects of extraction and nonextraction treatments. Based on initial records, a sample of 63 patients was identified by discriminant analysis as having been equally susceptible to the two different treatment strategies. In other words, with respect to selection of extraction as a treatment method, the two groups were "borderline."

These patients were recalled an average of 14 years after treatment and were asked to examine randomly ordered tracings of their pre- and post-treatment profiles (Figure 2) and to choose the profile they found more attractive. Only half of the patients who had not undergone extraction thought that treatment had improved their profile, whereas 58 percent of the patients who had undergone extraction believed the same (the extraction case results

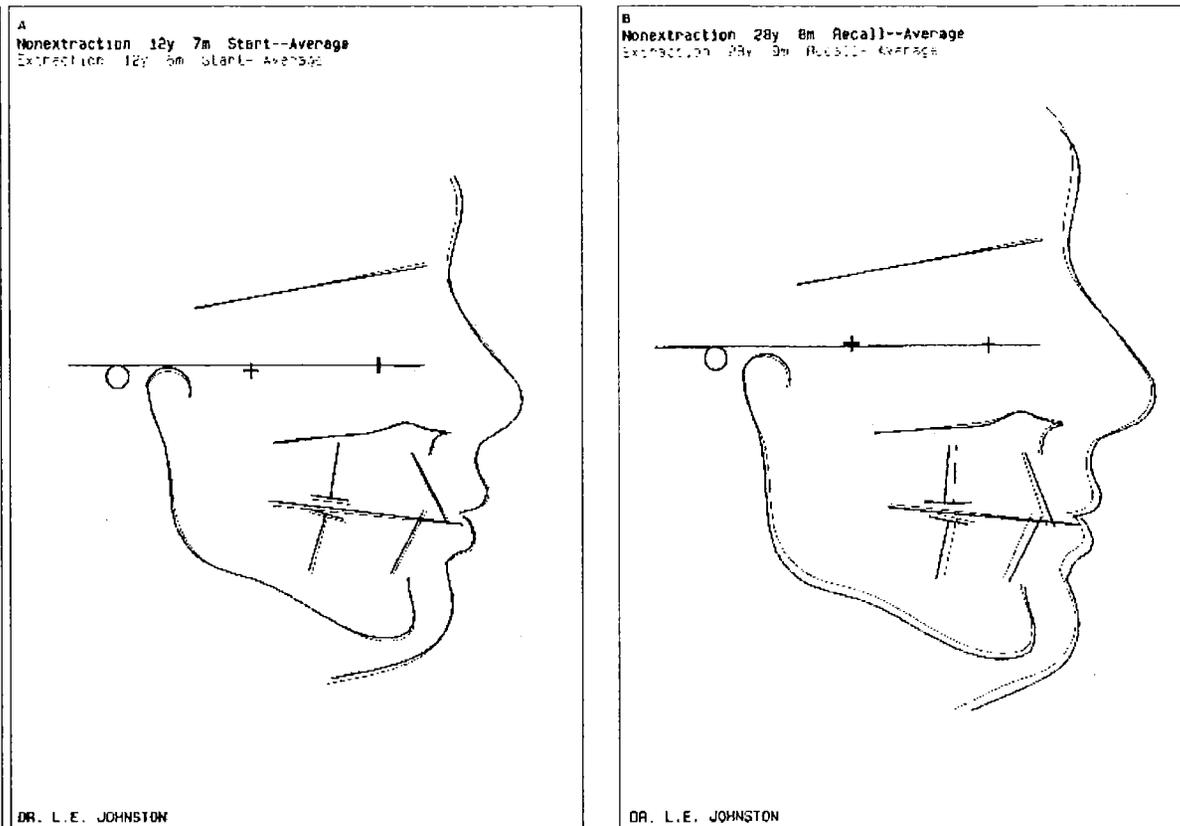


Figure 2. Averaged profile tracings of Class II patients whose cases fell on the borderline between extraction and nonextraction (averaged tracings superimposed on Frankfort horizontal and registered at pterygoid vertical). A. Initial tracing. B. Tracing done at recall visit. Thick lines represent facial contours that would argue for nonextraction treatment, thin lines represent contours that would argue for extraction. Note that before treatment, both groups' tracings were essentially identical; after treatment, the profiles of the nonextraction patients were, on average, about 2 millimeters more procumbent. (Reprinted with permission of the publisher from Paquette and colleagues.²⁴)

also tended to be more stable over the long term).

These patients also were asked to evaluate their pre- and posttreatment frontal facial photographs. In this instance, 69 percent of the extraction patients believed their faces were improved through treatment; 57 percent of the nonextraction patients reported the same.²⁴ Although these success rates are only a little better for the extraction treatment, the point here is that extraction clearly did not "dish in" the profiles on a routine basis as posited by the so-called "functional orthodontists."^{2,6} These

results are all the more interesting given that although these patients were treated between 1960 and 1980 and, therefore, many of them would never undergo extractions today, they still exhibited positive results.

When researchers compared patients at either end of the extraction spectrum—those clearly in need of the treatment vs. those clearly not—they found that those who were treated with extraction exhibited flatter profiles (Figure 3).²⁵ The patients with a clear-cut need for extraction often had a chief complaint of significant

protrusion that they wished to have reduced. Thus, it was the profiles of the patients in need of extraction that were fuller after treatment.^{13,25} Comparable findings were reported by James²⁸ in an evaluation of 170 consecutively treated patients and by investigators at the University of Iowa⁸ in an evaluation of 91 patients.

A similar comparative extraction/nonextraction study was repeated at the University of Michigan with a sample of black ex-patients. This study, too, noted many distinct benefits of extraction as a treatment for bimaxillary protrusion.^{29,30}

These findings were supported by research by Caplan and Shivapuja,³¹ who concluded that extraction will result in an improvement in patients "desiring a less protrusive profile." It is important to note that blacks appear to prefer a flattening of their profile, but not as retrusive a profile as those preferred by white patients.²⁹ In the end, however, only premolar extraction had any marked capacity to produce a reduction in lip protrusion and, hence, a perception of profile improvement for whites and blacks who

Only half of the patients who had not undergone extraction thought that treatment had improved their profile.

have bimaxillary protrusion.^{22,23,29}

Panels of laypeople and dental practitioners evaluated the pre- and posttreatment profiles of patients who had either extraction or nonextraction treatment.^{23,29} The impact of premolar extraction was shown to be a highly significant function of initial protrusion of the facial profile. Specifically, both panels of evaluators saw extraction as being preferable when, before treatment, the lower lip is more protrusive than 2 to 3 mm behind the Ricketts' E-

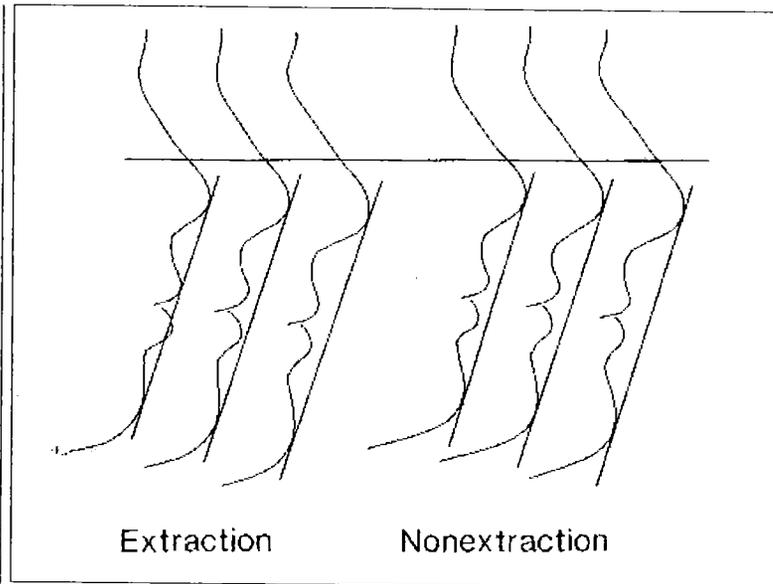


Figure 3. Mean start, finish and recall averaged tracings for extreme (as opposed to borderline) extraction and nonextraction samples. At a post-treatment recall visit, the nonextraction subjects demonstrated "flatter" profiles. (Reprinted with permission of the publisher from Luppanapornlarp and Johnston.²⁹)

plane (the line from the tip of the nose to the most anterior prominence of the chin) for whites²³ and 2 to 4 mm in front of the E-plane for blacks.²⁹

ARE THERE 'EXTRACTION' SMILES OR PROFILES?

Recently, Boley^{32,34} posed an interesting question: is there really a profile or smile that is pathognomonic of premolar extraction? To address this question, he tested "knowledgeable" orthodontists to determine their ability to ascertain the method of treatment used (extraction or nonextraction) simply by examining the patient's posttreatment smile or profile. Two hundred practitioners were shown photos of 100 finished cases, one-half involving extraction and one half not, including 50 color slides of smiling faces and 50 black-and-white profile and

front views. The orthodontists were correct in identifying patients who had had extractions only 52 percent of the time when they evaluated the smiles and only 44 percent of the time when they were shown facial profiles. Again, they could have done about as well simply by flipping a coin.

It is perhaps significant that, during his treatment of these patients, Boley^{32,34} deliberately maintained arch form and intercanine width. In other words, there was no expansion or "arch development." As seen in studies at Saint Louis University^{24,27}; the University of Stellenbosch, Republic of South Africa³⁵; the University of Tennessee³⁶; and the University of Toronto,³⁷ patients who did not undergo expansion seemed to demonstrate more postretention stability than mixed samples of patients who did and did not undergo expansion, such as

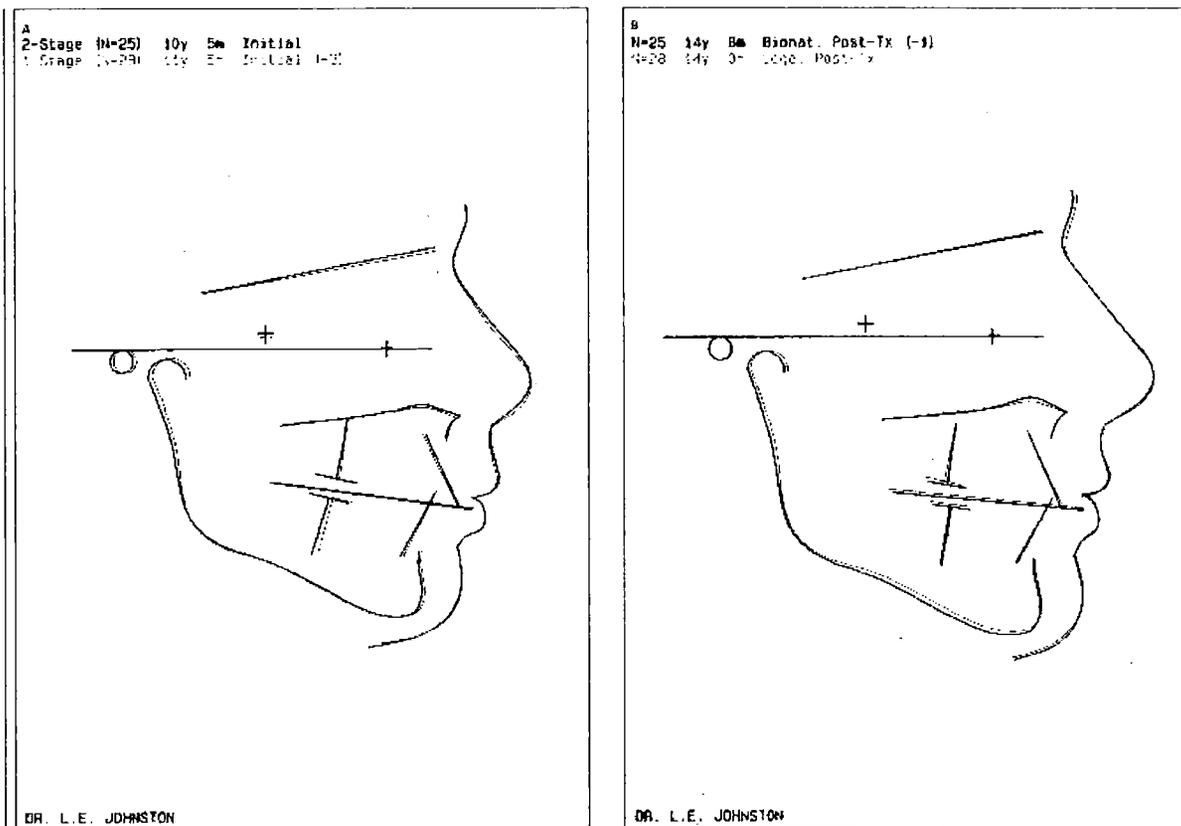


Figure 4. Averaged tracings, magnified to compensate for age-related size differences, of the profiles of Class II patients who received one-stage treatment using fixed appliances and two-stage treatment using a functional appliance and then fixed appliances. A. Initial tracing (magnified 3 percent). B. Tracing done at recall visit (magnified 1 percent). Thin lines represent one-stage treatment; thick lines represent two-stage treatment. Note that, on average, the basic facial form for the groups was the same before and after treatment. (Reprinted with permission of the publisher from Livieratos and Johnston.)

those described by the University of Washington.³⁸

Functional orthodontists, however, do not limit their criticism only to the facial profile. It has been suggested that extraction treatment creates dark intraoral spaces ("negative space") at the corners of the mouth that are said to be obvious during smiling^{2,39} and are ascribed to a narrowing of the dental arch. Johnson and Smith,¹⁹ however, evaluated the outcome of treatment in 60 patients³⁰ who underwent extraction and 30 who did not. A panel of 10 laypeople rated the esthetics of the posttreatment results from frontal

"smile" photographs. Their ratings were unrelated to any measure of width of the dentition or width of the mouth during smiling. The results of this and other studies^{40,41} indicate that there is no predictable negative relationship between the extraction of premolars and the esthetics of the smile. In fact, there was little change reported in the arch dimensions of the maxillary anteriors in either extraction or nonextraction.²⁴ Thus, the claim that dark spaces at the "buccal corridor," or corners of a smile, are a routine result of extraction treatment appears to be mischievous nonsense.

WHAT IS THE 'BUTCHER'S BILL' FOR PREMOLAR EXTRACTION?

On average, the major effect or cost of premolar extraction orthodontics appears to be a flattening of the profile by about 2 millimeters.^{23,27,29,30}

Although a 2-mm reduction is a clinically discernible change, it hardly amounts to "dishing in" the profile. Indeed, it commonly is a welcome change that the patients themselves often seek when they request treatment. In most instances, overflattening is a byproduct of faulty diagnosis and treatment planning, not a failure to rely solely on nonextraction treatment. In



Figure 5. Example of a patient initially treated with the popular goal of "not removing premolars," resulting in bimaxillary protrusion and lip strain.

the end, no treatment is so good that it cannot be misused and misapplied.

THE SEARCH FOR EXTRACTION ALTERNATIVES

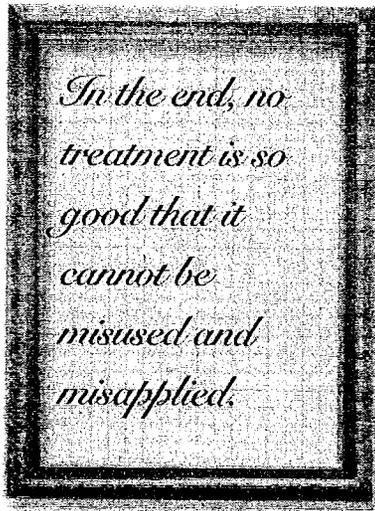
Recently a series of techniques have been promoted as alternatives to premolar extraction (for example, early treatment and functional, arch development and multiphase techniques). As noted by J.M. Broadbent⁴:

"Orthodontists ... who recognize the limitations of traditional treatment are combining arch development using air-rotor reduction and second molar replacement, European active plates and functional jaw orthopedics (FJO) appliances with fixed appliance treatment. ... A synthesis of FJO and fixed appliances may obtain beautiful results which are not possible from fixed appliances alone."

It is easy to make florid claims; however, it is a bit more

of a challenge to produce supporting data.

Although it is possible that functional appliances may alter facial growth, the magnitude of such change appears clinically insignificant and entirely comparable to that produced by more traditional methods.⁴²⁻⁴⁵ In an evaluation of one-stage (fixed) and two-stage (functional/fixed) Class II treatments, investigators at the University of Michigan⁴⁶ found that both treatments produced skeletal and facial changes that left the patients indistinguishable from each other by the type of treatment they had received (Figure 4). In contrast to



the beliefs of the functional orthodontists, an early phase of functional appliance treatment appears to provide no unique benefits.^{46,47} As stated succinctly by Paquette and colleagues,²³ "Given that many of the stated goals and effects of functional orthodontics seem to be based more on wishful thinking than on real-world data, this outcome should come as no surprise."

The concept of "arch development" to avoid extractions and to produce wider-than-normal

smiles also fails to impress, given the numerous reports of frank instability^{35,48-62} and the potential for producing untoward periodontal effects.⁶³⁻⁶⁸ These reports are especially significant, given the existence of more conservative space management alternatives to reduce the percentage of extractions.^{9,69-76} It has been reported that at least 75 percent of crowded cases can be treated without extraction, without expansion and with superior long-term stability by proper management of leeway space.^{9,70-77} Significantly, to provide a substitute for the 5 mm of space in each quadrant produced by premolar extraction, arch development would require 12 mm of stable expansion,⁷⁸ an amount that is nearly an order of magnitude larger than anything that can be inferred from the literature.⁷⁸

CONCLUSION

A review of the refereed literature provides little support for the viewpoint that premolar extraction has a routinely negative impact on facial esthetics and the functional health of the muscles and joints.^{23,29,79,82} Unfortunately, the rules of evidence often are conveniently ignored in today's orthodontic marketplace.⁸³⁻⁸⁵ Given a lack of support in the refereed literature, it may be argued that the groundswell of enthusiasm for nonextraction treatment is a threat to the public's best interests. Consequently, it has been proposed that the patient who has crowding and protrusion may be most at risk of experiencing a poor result by undergoing some type of ineffective nonextraction treatment (Figure 5).^{23,24} I would maintain that the extraction decision should not be a political one, but rather should be designed to



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provide the benefits of esthetics, function and stability in as conservative and timely a manner as possible.

If one believes that the elimination of extraction

treatment is a goal more important than that of addressing the patient's chief complaints concerning protrusion, and if one is unconcerned with the possibility of pushing roots through cortical plates or of poor long-term stability, one can elect to treat all patients without using extraction. However, those who believe in avoiding extraction at all costs should give thought to the possibility that their only ethical option in many patients with crowding and protrusion would be either to refer or to render no treatment at all. In this line of argument, Johnston⁸⁶ has noted, "The take-home message here is not that nonextraction is bad or that extraction is universally good, but that extraction is a really good treatment in the kinds of faces that appear to need extraction (i.e., [those with] crowding and protrusion). Orthodontists are not condemning patients to overly flat faces and a life of TMD by extracting."

In conclusion, skepticism is as important to the selection of treatment methods as it is in weighing the merits of a new bracket or a new practice location. The "facts" as inferred from uncontrolled experience may not represent the truth. As Rushing and colleagues¹³ have counseled, "When something new comes

along, ask, 'what's the catch,' and be persuaded by evidence alone, rather than the strong unsubstantiated claims of people who are in a position to influence us." Failing this, the patient pays a heavy price for our willingness to select treatments without reference either to logic or to evidence.⁸⁷ ■

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Signature: _____ Date: 6/22/2012

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How to Wow Your Patients

Presented by Gary
Johnson of DynaFlex

Please join us for our lecture and dynamic workshop on How to Wow Your Patients. In this workshop, you and your team will learn creative ways to provide service and great communication that will allow you to provide the highest level of service in the dental community.

Goals and Objectives

1. Improve your overall service level by connecting and communicating with your patient
2. See your practice through the eye of the patient: their perception is your reality
3. Uncover needed areas of improved service
4. Learn how to properly survey your patients so that you can improve the service level you provide them

Gary Johnson, M.A. MBA

Gary has been a featured speaker and lecturer in the areas of customer service, leadership, sales and marketing for several national and international organizations. Gary is a dynamic speaker and holds two graduate degrees including a Master of Arts in Management and an MBA. He has been an adjunct instructor for three Midwest universities and management a team of 300 in the private sector. Gary has also been a feature writer for Orthodontic Products magazine.

"Well I can tell you I have paid 10's of thousands for a year long program that wasn't as useful. It was perfect doing a half day b/c then we were able to have our office meeting and review what we had learned from the day. Which we actually wanted to do. They are things that are very important to be exposed to over and over through the years. Adhering to many of the things Gary talked about has helped our office feel less effected by the recession. It was well worth having my whole staff there, can't wait for the next one." **Chesterfield, MO**

"Gary is exciting to listen to and he is full of knowledge regarding issues we all should work on to improve in our lives and in our practice." **St. Louis, MO**

"I thoroughly enjoyed the workshop last night! Gary is an excellent speaker and so motivational. I still have my notes right by my makeup mirror, reminding me of some things I want to start doing this next week! He is so good...he should be at the AAO meeting as a staff/Dr. speaker." **Kansas City, MO**

Registration Information

When	Thursday, September 10 6pm-8pm
Time	6pm-8pm
Location	Bolingbrook Country Club 2001 Rodeo Drive Bolingbrook, IL 60490 630-771-9400
Fee	Complimentary
Who Should Attend	This session is designed for both the doctor and staff.

NDV melli g
now we
list the date
& time ...

Registration is limited to a total of 75, so please reserve your seats as soon as possible!

R.S.V.P. via email to Mellisak@Dynaflex.com or *Melissa* at 314.426.4020



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THE
MOMENTUM
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WOW
TO THE

GARY JOHNSON, M.A., M.B.A.

Foreword

The field of orthodontics and dentistry has changed significantly over the past decade. The “Field of Dreams” mentality that declares, “Build it and they will come,” no longer exists. Greater competition, alternative treatment options, and the hectic lives of patients have caused dentists and specialists alike to question how they will continue to grow their practices now and into the future.

The absolutely great news about this book is that it reveals the secret principles that will do more for the practice than anything else and actually cost your business very little. The secret to long-term, sustainable growth is your practice’s ability to “Wow” the patient. This book will provide you and your team the skills to apply the “Wow factor” to your practice. The key is not only to expose your team to these principles but to build a culture that will maintain the momentum of these ideals. The title of the book is a simply

reminder of the power of inertia. Once you get positive change and energy moving in the right direction, magic happens.

The goal of this book is to expose you and your team to what "Wow" looks like so that you can get your own inertia started. Many of the points made in this book may serve as reminders to principles you have heard or practiced before. The key to reading this book is talking about the concepts with your team and ensuring that you put a system in place that allows these concepts to be carried out in perpetuity. Congratulations on your decision to take your practice to the highest levels of service!

Chapter One

Get Your House in Order

The First Encounter

There are two critical questions I would like you to consider when analyzing the market presence and perception of your practice. Before I ask you to ponder those two questions, let's first establish that Mom is the primary decision maker in dentistry. She is the person who typically picks her family's dentist and schedules all appointments. This is important when considering how you market your practice because understanding your primary decision maker is essential to ensuring that you are sending the right messages. Now that we have established this critical point, consider the following two questions:

Question No. 1: If you were to ask your staff how much money is spent each year to market the practice, what do you think they would answer?

Question No. 2: If Mom were considering making a change in dentists for her family, no matter the reason, how many possible interactions could she have with your practice during her search? Before we answer these questions, conduct the following exercise with your team as illustrated below.

Team Exercise

Step 1: Call a staff meeting.

Step 2: Break your staff into teams of three to four people.

Step 3: Establish a team leader for each team. The person who has been with the practice the least amount of time will be team leader.

Step 4: The team leader will be the group's spokesperson and scribe.

Step 5: Ask each team to answer the two questions:

Question No. 1: How much money does this practice spend to market itself each year?

Question No. 2: From the time a Mom is considering becoming a patient to the time she walks out of your office agreeing to become a patient, how many possible interactions can she have with your office (i.e. ads, Internet, referral, etc.)?

Step 6: Read the rest of this chapter together and compare their answers to what is described in the book.

Let's first address the question about the annual marketing budget. If you asked your staff to estimate how much is spent each year to market the practice, what would they say? Do you think they would say \$10,000? How about \$100,000? In either case, they probably would not even be close. Here is why. Let's say you just came back from an Internet marketing seminar at the local university. In that seminar, the marketing expert told the audience that if they plan on being in dentistry over the next 15 years and don't have a strong web presence, they are in big trouble.

The reason for this is because research shows us that two out of every three people under the age of 50 will search the Internet first when trying to find a local business. In addition to being on the web, the expert continues that you must not only have a presence, but you must be within the first two pages of their search, or they won't find you. This means that search engine optimization (SEO) and Really Simply Syndication (RSS) are absolute necessities in the development of your site.

The marketing expert goes on to describe the critical nature of choosing your "meta tag" wisely. A meta tag is the paragraph underneath your practice's name in an Internet search. Most

businesses unfortunately allow the search engine to randomly pull information from your site to place in your meta tag. The expert strongly recommends that you prepare these words wisely as this is what the searcher is reading to determine which site to click on.

In addition to SEO, RSS, and the meta tag, the marketing guru tells the audience that research shows that once someone clicks on your site, you have a whopping four seconds to make an impression before the searcher will hit the "back" button. This means that aspects like coloring and ability to easily navigate your site are critical. Other important considerations include pictures of staff, clearly demonstrating what makes your practice unique, and answering frequently asked questions.

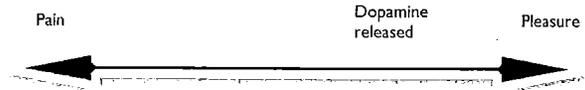
Armed with this new information, you go back to the practice and make changes to your website as suggested by the marketing consultant. You hire your region's most expert website developer. You bring someone in from the novel writing department at the local university to write the meta tag and to reconstruct all wording throughout the site. You hire an interior decorator to make recommendations on the "right" colors for each web page. You send the staff to

the mall to get their pictures taken by Glamour Shots®. The site now truly looks incredible.

Now that your site is ready and available for viewing by the world, let's go back and answer the question about your annual marketing budget. Mom is in search of a new a new dentist. She goes to the Internet and finds your site on page one of her search. The meta tag underneath your practice name catches her attention. She reads it and cannot wait to click on your site. She clicks and truly cannot believe the beautiful coloring of your site. The words on the site are like poetry. All of her questions are answered with flair and precision. She notices pictures of your staff and imagines how wonderful they will be to deal with. Everything about your site tells her that she has found the panacea of dentistry. She hurriedly dials the phone with great anticipation of the beginning of a long and wonderful relationship. Then, everything comes to a screeching halt when the person on your end of the line answers and sounds like Bonnie Bad Day or Nancy Negative. What happened to all the money you spent to attract this potential new patient to your site? It went right down the drain.

As humans, we are emotional decision makers, and every encounter with us is measured

and analyzed. Mom will make decisions on whom she will pick to be her family's dentist or specialist based on how your team makes her feel. Let me give you an example of how this works. Illustration 1.1 represents an emotional continuum for a human being.



Humans will always make decisions that move them closer to the pleasure end of the continuum. We do this subconsciously. No matter how logical we think we are as decision makers. Let me give you a perfect example, my father-in-law is an electrical engineer and is by far one of the most analytical decision makers I have ever met. In fact, he is so analytical that he was once kicked out of the local Toyota dealership because of the number of times he came in to analyze and study the vehicle before he decided to purchase. Now as logical of a decision maker as he thinks he is, he stills makes decisions emotionally. Here is why. Pain, for my father-in-law, is making a mistake. Engineers cannot make many mistakes and keep their jobs. Pleasure for him is not being right, it is

being accurate. His brain releases dopamine when he rounds to the 14th decimal.

Now talking about your practice, Mom, our primary decision maker, is also emotional in her decision making. Taking care of her family is almost always on the pleasure side of her continuum. So, when she decides to choose a dentist for her family or an orthodontist for her child, she will make that decision based on how your team makes her feel. Mom does not know the difference between a good dentist and a great one. In fact, because it says "Dr." in front of your name, she will assume you are good. So, being a good clinician is simply the price of admission for you. It does not guarantee any future business.

Staff will have the greatest impact on the growth of your practice. Period. No matter how good you are clinically; no matter how much you advertise, the greatest growth factor is the perception your staff creates in the mind of the potential patient. That is why you should never, never, never, take the first encounter for granted. Unfortunately, most practices do take that first impression for granted, and that is why their "appointment kept" ratios are not where they would like or their patients' starts are below expectation.

So when considering your marketing costs, remember that your budget consists of all the money spent annually on the Internet, advertising, sponsorships, referral development, and most importantly, your staff salary.

Now, let's consider the second question pondered earlier. If Mom were sitting at her kitchen table considering making a change in her family's dentist or considering an orthodontist for her children, how many possible interactions could she have with your practice prior to agreeing to treatment? When I ask practices this question during a seminar, the answers usually range from as low as four to as high as fifteen. Let's see how many we can come up with.

First, most women communicate and make decisions differently than most men. A woman who is considering making a decision that impacts her family will almost always call one of her best girlfriends and explain why she is considering this change, and then, she will almost always get her friend's opinion or the name of her friend's dentist or orthodontist. This is possible interaction number one if you are the dentist or orthodontist.

Next, she will go to the Internet and do a search for a local doctor. If you show up on page number one or two of the search, this becomes

possible interaction number two. If she reads your meta data/tag, and it intrigues her enough to click on your site, this is possible interaction number three. If after clicking on your site, it keeps her interest and she navigates thru it, this becomes possible interaction number four. If she is intrigued enough to pick up the phone and call, this becomes possible interaction number five. If after calling, your outstanding, engaging, “wow-focused” front desk person asks the right questions and schedules an appointment, this becomes possible interaction number six. If your front desk person gets that appointment in two weeks or less (most marketing experts estimate that this magic timeframe has the most probability for an appointment to be kept), this becomes possible interaction number seven. If, within three days of making the appointment, your practice sends a UPS ground package to the patient filled with a coffee mug and jelly beans or t-shirt with your practice’s name on it along with a personal note from the doctor, this becomes possible interaction number eight. On a side note, the reason I recommend a UPS ground package is because everyone will open a UPS package, and it always feels special when you get a package delivered to your home. When they arrive for their appointment, and there

is a sign in one of your best parking spots with their first name on it and helium balloons, this becomes possible interaction number nine. When someone from your team makes eye contact and smiles within three seconds of the patient entering the door, this becomes possible interaction number ten. If after engaging the potential patient, you offer a drink and a quick tour of the facility, this becomes possible interaction number eleven. This is the time by the way, to point out anything that makes your practice unique. Technology, game rooms, reward center, etc. If during the tour, the doctor stops what she is doing and addresses the potential patient, this becomes potential interaction number twelve. What’s the point? Before you have even discussed treatment, your practice had at least a dozen opportunities to “Wow” the potential patient. Are you taking those interactions for granted? I say that most practices are missing these chances. Please remember that Mom will ultimately decide who she will send her family to for treatment based on **how your team makes her feel** and not the quality of the dentistry.

The Disney Service Standards

Whenever I conduct a seminar on the topic of this book, I always ask the audience if they have been to Disney. Invariably, there is always a large contingent of past Disney attendees that enthusiastically raise their hands. I then ask that group to yell out words that describe the experience. I always hear words like: magical, clean, bright, amazing, friendly, “Peter Pan-like” and of course expensive. Because Disney is expensive in comparison to other ways one could entertain their family, I always agree with the audience that this is definitely a word that is fair to use to describe the experience as long as you remember one thing—people are willing to spend thousands of dollars for a fun, clean, friendly, magical, “Peter Pan-like” experience. Not only are they willing to spend the money, they are willing to come back and spend it again and tell their friends about their wonderful experience.

Since Disney does such a great job of “Wowing” their guests, I could think of no better example to follow in this book than the one provided by this wonderful company. To do this, we will be going through the service standards Disney demands of their associates, or as they like to call them, cast

members. Let me repeat that. They demand these standards. They are not simply said in passing or brought up once over an employee orientation; they are discussed and followed-up on routinely. Below, I have outlined each service standard.

Disney® Service Standards

1. Make eye contact and smile
2. Greet and welcome each and every guest
3. Seek out guest contact
4. Provide immediate service recovery
5. Display appropriate body language
6. Preserve the magical guest experience
7. Thank each and every guest

Service Standard No. 1: Make Eye Contact and Smile

This may sound basic and something that every successful business has their employees do, right? Have you been to a major fast-food restaurant lately? Eye contact and a smile are not a guarantee in this service encounter. For example, there is a major fast-food restaurant very near to my oldest son Blake's high school. Last summer, I asked Blake if he wanted to stop there with me and get a milkshake. To my surprise, he said yes. I say this because I have recently discovered that my teenage son doesn't think it's cool to hang out with Dad anymore. Now, my 10 year old still thinks I am cool, but not my teenager. As we are leaving the parking lot, I am humming in my mind the theme song to the 1970's television show, *The Courtship of Eddie's Father*, "People, let me tell you about my best friend....", when my son snaps me back into reality with his request to only go through the drive thru (to avoid being seen hanging out with his father). As we approach the drive thru, I am reminded by my son to not mess with the drive-thru lady since I am a "teaser" by nature. It is important to note before I tell the rest of this story, that my children hate to hear about service standards because I constantly lecture

them on what went wrong with an experience at a store or restaurant as I am hyper-sensitive to poor service (a byproduct of speaking about service for the past 10 years).

After we order our milkshakes, we are greeted (if you could call it a greeting) by a young woman who sticks her arm out of the drive-thru window with her head looking straight down at the ground and says, "\$3.67." There is an awkward 4 seconds of silence as I wait for her to look at me. My son, knowing that I will not give money to someone until they make eye contact, is in the passenger seat in a fetal position, obviously extremely embarrassed. When the young lady finally looked up, I announced in an animated voice, "eye contact!" She was so surprised by my comment that she looked at me, struggling to think of something to say and finally mumbled, "I'm sorry, I'm about ready to get off work." I responded, "That's okay, I will come back 15 minutes earlier next time so you will look at me." While I was joking with her, I was making a point, and the question here is, was it her fault that she didn't make eye contact with me? Maybe a little, but remember that young people of today do not have the same social skills that older generations had to use to communicate. This is a byproduct

of the tools they use to today to interact with one another. Whether it is Facebook® or texting, young people today are not as versed at interpersonal communication skills as older generations, so this must be factored in when hiring them. The real fault in this example lies with the restaurant's management team. They did not demand that their drive-thru team make eye contact and smile with their guests. While this sounds basic, it is one of the most important elements in human interaction, and something you should demand from your team.

**Service Standard No. 2:
Greet and Welcome Every Guest**

My daughter Ashley is a real sweetheart and extremely easy to talk with. She will look you in the eye and smile, ask you about your weekend, and make it very easy to communicate with her. My third oldest, Evan, on the other hand, is only social if you are a teenage girl. When we bring him to our orthodontist, he looks at the floor the entire way back to the chair. The orthodontic team knows this about Evan, and when he comes in, they crouch down to floor-level, wave their hands up at him, and say hello. He always smiles. What's the point? The Ashleys of the world are easy to connect with, but what is your team doing to connect with the Evans of the world? As an organization, we must find ways to "connect" with our guests on a level they are comfortable with, not on a level that is only comfortable to us.

**Service Standard No. 3:
Seek Out Guest Contact**

The best way to relate this story to your practice is to imagine the busiest day in August. On that day, when every member of your team is going at 100 miles per hour, remind them to look up and smile at the patients in the lobby. People will always feel much more special and welcome when they are acknowledged. It is our job to make our guests feel welcomed when they arrive at our place of business.

Service Standard No. 4: Provide Immediate Service Recovery

One of the most important points in this book, has to do with providing immediate service recovery. In fact, it is so important, that an entire chapter has been dedicated to this principle. Making mistakes is one of the best times to cement the loyalty of your patient if, and the key word here is *if*, you or your team recovers well. We will discuss this in great detail in Chapter Three.

Service Standard No. 5: Display Appropriate Body Language

Body language is by far the most important element of human communication. In fact, the most widely accepted proof of this comes from a 1967 study by Albert Mehrabian at UCLA. His research found that an incredible 55% of human communication is body language! Another 38% is tone of voice. That only leaves 7% of communication that is the words we speak. So when someone is interacting with your team, it is their body language and tone that sends 93% of the message. While some argue that this is isolated only to communication that is associated with emotion or feelings, it is important to consider this data and remember that Mom will decide who she will do business with based on how you and your team make her feel. Recently, I visited a practice in a beautiful suburb of Detroit. As I observed the interaction of the front desk staff member with me and patients, I concluded she must be having a bad day, a bad week, or even a bad year. To say the least, her interpersonal skills were lacking. When I asked the doctor to describe his front desk staff member, he said, "Oh Brenda? She is a real sweetheart, *once you get to know her.*" While this sounds funny, it is actually quite dangerous.

Wouldn't you rather have someone interacting with your patients and potential patients at the front desk that is a real sweetheart *once someone talks to her*? If your front desk person is more like the former and less like the latter, that potential patient may never get a chance to "get to know her" because they decide not to become your patient.

Service Standard No. 6: Preserve the Magical Guest Experience

Here is what Disney knows. They know this may be the only vacation a guest and their family takes this year. In fact, it may be the only vacation a guest and their family ever take together, so they want to ensure it's magical. What I know about the field of dentistry is that it is the best industry in the world and one with a great impact on the patient's self-esteem. This is because there are two universal languages of friendliness in most cultures: eye contact and a smile. A dental office influences 50 percent of this human interaction. Think of how many people that have walked into your practice ashamed and embarrassed and have left as a completely new person because of the work you and your team did on their smile. Dental practices don't just fix teeth, they change lives. That change comes with every encounter they have with your practice. Make sure those encounters are magical.

**Service Standard No. 7:
Thank Each and Every Guest**

This final service standard relates to gratitude. Thanking each and every guest is a principle we all can relate to as employees, patrons and parents. To illustrate my point from an employee perspective, I remember having lunch with a very successful orthodontist in the St. Louis area.

The doctor was relaying a story about a recent decision he had made to keep his office open on New Year's Eve day. The office staff was not excited about the idea and pleaded with doctor to close early. He finally gave in and agreed he would close the office at 2 pm and cater lunch in for his team if they could work through lunch. The doctor catered in a very nice lunch and closed at 2 pm as he agreed. He felt very disappointed by the whole experience, and being a bit confused, I asked why he felt that way. He said that out of his team of 14, only one thanked him for being flexible and also for catering lunch. What's the point? We all know that as parents, we will do anything for our children because they are our children. We will, however, do even more if they are appreciative.

The book, *The Secret* dedicates an entire chapter to the power of gratitude. Please remember this when educating your team on the power a "thank you" has on your patients and their willingness to remain your patients and refer their friends.

Coffee Stains

Many people today enjoy the television program, *Undercover Boss*. The premise of the show is that the CEO of a prominent corporation goes undercover as an everyday worker to see how his team is treating customers. That same concept was described back in 1982, when Tom Peters wrote a great book called, *In Search of Excellence*. The book had many valuable points, but one of the best relates to a president of a European airline that went undercover and sat in coach to see what his patrons experienced. Shortly after takeoff, the attendants had taken drink orders, and the guest next to the airline executive lowered her tray table. To her disgust, she found an ugly coffee stain. After looking at the stain, she looked at the carpet, the luggage compartments, and the rest of the interior of the plane. She then nudged the camouflaged CEO and said, "If they maintain the engines like they maintain the interior, we are in big trouble."

The point of this story is that your patients' perception is your practices' reality. What "stains" do you have right now that could be causing your patient to second guess their decision to do business with you? Every four to six months, sit down with your team and ask them to write down every existing stain your practice has.

They might say things like: stained carpet, clutter, dirty bathroom or old and outdated magazines in the waiting area. Pick these things off one at a time, and those "stains" will be eliminated from your patient experience.

Coffee Stain Exercise

- Step 1: Gather your employees and break them into groups of three to four.
- Step 2: Establish a team leader for each group. The team leader is the person with the newest car.
- Step 3: Instruct the team leaders that their job is to be their group's spokesperson and scribe.
- Step 4: Read to them the story of the CEO of the airline described in this chapter.
- Step 5: Ask the teams to write down as many "coffee stains" as they can think of for your practice.
- Step 6: Once they have compiled their list, ask them to pick the worst stain on the list.
- Step 7: Eliminate that stain immediately, and put a game plan in place to eliminate all of the items on the list over the next few months.
- Step 8: Wait three to four months and repeat the exercise.

Chapter 2

Avoid Negative Phrases

Although tone of voice and body language carry much more weight than words, there are certain phrases that can turn your patient from a non-confrontational person into a raging wolverine. Before those phrases are discussed, let's consider some foundational principles of communication. The foundational principles apply to any interactions with another human, no matter the circumstance.

Never, Never Blame

Recent research has shown that when blamed, humans will more aggressively defend their position, even if they know they are wrong, as compared to when they are not blamed. Blaming causes defensiveness whether we are talking about patient-staff interactions, staff-staff interactions, or even parent-children encounters. For example, there is a very popular television series on the Science Fiction Network called, *Ghost Hunters*. This show follows a group of former plumbers turned paranormal investigators called TAPS, around the country to investigate locations that are supposed to be haunted. This group is coming to my home to investigate our ghost. I called a family meeting to deliver the news that we were going to be famous. When I told my children that TAPS was coming to investigate our home, my youngest child Lance was shocked. He asked, "Dad, we have a ghost?" I responded that we not only have a ghost but a poltergeist. "What's that?" he inquired. I told him that it's the type of ghost that does mischievous things like: leaving dirty dishes in the sink, leaving lights on in the basement, leaving towels on the bathroom floor, and dirty clothes on the

floor. At this point, my kids all realize that I am being a smart aleck and really talking about all the things that mysteriously happen in our house. You see, my kids spend more time explaining how something was not their fault when blamed than the time it would take to correct the issue. What's the point? If you blame, be prepared for drama and defensiveness and little, if any, progress.

Sell, Don't Tell

Another foundational principle in communication is to avoid threats and instead use persuasion to encourage "right" behaviors. When I was a child, threatening was an everyday tool used by many adults. In fact, in my dentist's office, it was common to scare kids into proper hygiene habits. For example, pointing out the window to the local carnival attraction and asking me if I wanted to become a "carnie" was a normal way of ensuring that I brushed my teeth. While that approach may have some effect at producing good oral hygiene, it may also cause psychological damage (as an adult I am petrified of toothless people that smell of mushrooms). We are far better off persuading the behavior we want through education, encouragement, and reward systems.

Focus On What You Can Do, Not What You Can't

One of the worst things we can do in a service role is to tell our guest or patient what we can't do. It unfortunately happens all the time and turns what could be a positive experience into a negative one simply based on a lack of a good use of common sense. To illustrate the point, I recall a recent trip to my daughter's college town. My daughter Ashley is one of my wife's best friends and because of this, my wife hates it when she leaves each fall for college. In fact, she is so close to our daughter, she looks for any reason she can to plan a visit to see her. Not too long ago, we had scheduled a trip to see Ashley because it was "leaf day." When we visit my daughter, we usually stay the night since it is almost a three-hour trip each way. Although, I travel significantly, the hotel chain I am a premier member with does not have a property in my daughter's college town, so my wife, Sharon, suggested I join the only major chain that has a property in the area.

Within a few months, I not only joined the hotel chain but had reached their highest reward level. Shortly thereafter, we received our first reward night for a free stay. Sharon immediately

booked that free night to visit our daughter for the following weekend. The Saturday we chose to visit my daughter was especially ordinary. No football games or parent's day crowds to deal with. The town was abuzz with normality.

Because my wife and daughter are so close (the same relationship my wife has with her own mother), Sharon was eager to get to our daughter's dorm as soon as humanly possible. This eagerness led to our early arrival some three hours prior to our scheduled 3 pm check-in time at the hotel. Because we were sleeping over one night, I had packed a small bag with a change of clothes, toiletries, and my favorite pair of man-jams (since men don't like to admit they wear pajamas, we make up more masculine names for our nightly garb usually made up of an old college t-shirt and a pair of lounge pants). Sharon, however, had packed two full-size suitcases for this 24-hour stay. Since we were three hours early, my wife was unsure if we would be able to check in early. I, on the other hand, was completely confident we would be able to check in early especially since we were "platinum members," the hotel's highest level of customer tribute.

When we pulled up to the hotel, there were only two cars in the parking lot. Not surprising,

since this weekend was just an ordinary one with no college celebrations on the calendar. When we entered the lobby, we noticed we were the only people in the front of the hotel, and for that matter, we may have been the only guests in the entire building. After we were acknowledged by the front desk employee, I informed her that we were platinum members and was hoping we could check in early. With that request, we were told and I quote, "Nope, can't do that." You see we were three hours early, and even though there were more than 75 empty rooms, the front desk employee valued following a hotel rule more than delighting a valued customer. Please be sure the same thing is not happening in your practice. Employees can get so focused on following rules, they may alienate a patient by doing so.

Phrases to Avoid

As discussed previously, body language and tone of voice are very powerful tools used in human communications and in most cases, have more impact than words. However, adding the wrong words with a negative tone or body language is an absolute recipe for disaster. On the following pages, are listed phrases that tend to make the patient or patient's guardians defensive.

Phrase Number One: Are You Sure?

Have you ever been confronted with the words, "Are you sure?" How did it make you feel? Most likely, those words made you feel not believed, and in some cases, caused you to second guess yourself.

**Phrase Number Two:
What Is the Problem This Time?**

“What is the problem this time, Johnny?” If you are a teaser, and your patients know that you are a teaser, this phrase or similar joking with the patient can actually be an ice breaker. If, however, your patient does not know this about you or your staff member, he/she will never talk to you again, so be careful with sarcasm.

**Phrase Number Three:
No One Else Has Complained**

In dentistry, our goal has always centered around precision. So we sometimes feel compelled to point out that our patients are very satisfied with our work. The problem is that the pointing this out to a patient that is currently experiencing a problem serves no value. They honestly do not care that you have done a procedure 3,911 times in a row correctly. They are only concerned at that moment with *their* experience. Please remember that pointing out that no one else has complained comes across as defensive and serves no benefit to your patient that is experiencing a problem.

**Phrase Number Four:
Who Told You That?**

A pattern is obviously developing here. Defensiveness never leads to connectivity with our patient or teammates. This statement is one of the worst because it not only implies the patient was not believed but also that the person who may have informed them is not credible.

**Phrase Number Five:
It's Not My Job**

While it is exceptionally rare for your staff members to utter these words to a patient, their body language might be exuding these feelings. So they need to be very careful about what message they are letting their non-verbal language send. It is, however, more common for your staff members to develop an attitude of "It is not my job," while interacting with each other. They spend a lot of time together and can become somewhat intolerant of each other if you don't make time to work on team building as an office.

The Momentum Maxim

Phrase Number Six: It's Company Policy

The absolute worst thing your staff member can say to a patient is the phrase, "It's company policy." These words elicit angry feelings from our patients and make them feel like they are being "processed" not served. We need our employees to know it is okay to bend the rules when it is in the best interest of the practice or more importantly, the patient. What's more dangerous, an over-satisfied patient or dissatisfied one?

Remind your team on a regular basis of the importance of proper communication with our guests and each other. Doing so will help you to avoid negative energy in your practice.

Chapter Three

Use Mistakes To Cement Loyalty

It is a wonderful goal to try and provide an outstanding experience for the patient each and every time they visit your office. This fantastic experience, while important, is not nearly as powerful as the impact of fixing a mistake. The reason is simply because most of us as consumers are accustomed to being underwhelmed when something goes wrong with a service experience. We deal with an apathetic employee who does not care whether we are upset, disappointed, or willing to take our business elsewhere. We try and escalate the issue to an employee that is a supervisor or manager only to find a similar lack of empathy toward our circumstance.

Research shows that although dentistry is a very process-driven industry, very few practices

a process for fixing mistakes. This means when something goes wrong with a patient, don't "wing it" instead of following a tech- nical procedure or system that has been proven to "Wow" the patient.

Frederick Reichheld in his book, *The Loyalty Advantage*, describes the impact that recovering from mistakes can have on your patients' loyalty. He states that recovering well and doing so immediately can have a bigger impact than providing a perfect experience. The reason for this is that the patient is expecting the appointment to go off without a hitch. What the patient or any consumer is prepared for is to be overwhelmed with how the mistake is handled. In fact, most consumers are more likely to be disappointed when a mistake occurs than when a service experience is perfect.

In order to provide a great opportunity to recover from a mistake, your team must have a system they follow to ensure consistency. A written system also ensures that the steps they follow will work almost every time. Below is a simple four-step system that has been implemented by many of the top practices around the country.

1. Apologize empathetically
2. Fix the problem, not the blame
3. Do something extra
4. Have the doctor follow up

Apologize Empathetically

Step number one is very critical and sets the other three. Apologizing with empathy is a great deal of power. Empathy allows a staff member to "feel with" your guest and is very different than apologizing with sympathy. Sympathy, or feeling for someone, has about a third of the strength of empathy. When we are able to feel "with" our guests we are literally putting ourselves into their shoes with them. Saying something like, "I am so sorry we did not have you on our appointment calendar. I know how hard it is for you to get off work," is strongly empathetic and allows your patient to feel as though you understand their circumstances. Train your staff to handle these situations by role playing them. Listen for the empathy, and discuss as much as what was done well and what might need improvement.

Fix The Problem, Not The Blame

In almost every case, your patients simply want their problem solved quickly. The second step allows them to see that the staff member at your practice is taking ownership of the issue and not passing the buck. It is very frustrating for us as consumers to be explaining our problem to a person that is not willing as a member of the organization that wronged us to be empathetic to our issue and not willing to take ownership of the mistake. The patients in the practice are the responsibility of everyone from the front desk person all the way to the doctor. If someone in the lab messed up, we should own that mistake just the same as if we had made the mistake ourselves. The patient does not care who is at fault; they just want their problem fixed and fixed fast.

Do Something Extra

When your staff has apologized to the patient and their problem, step three is to do something extra. This is truly where magic can be done and if done correctly, can turn a negative experience into a "Wow" experience. The best location on the planet at doing something like this is Disney. They are so good at it, that several other examples will follow. Remember that turning mistakes is an opportunity to cement loyalty at a level greater than if everything went right with the experience.

Several years ago, I was conducting a seminar on a topic in St. Louis, Missouri to a group of about 20 dentists and dental staff. At the end of the event, one of the office managers from a dental group came up to share her Disney experience with me. During the prior year, she, her husband and two children planned a trip to Orlando. They had never been to the Magic Kingdom® theme park, and they were all eager to enjoy the experience. While they were planning to visit the parks over several days, they decided not to have their overnight accommodations at one of the Disney resorts. Instead, they planned to stay at a major hotel chain that

the husband was a platinum member of so that they could take advantage of the free suite they received whenever they went on vacation. They always got free accommodations because he stays with the hotel chain more than 150 nights per year.

The hotel was about ten minutes from the park, and they had purchased special tickets to Disney that allowed them to enter the Magic Kingdom 30 minutes before the general public so that several rides could be enjoyed without lines. She explained that the kids were ecstatic about this option of early arrival and had mapped out what rides they could get on the night before their first-day visit to the park. The following morning, she recalled, was like a movie scene. The temperature in Orlando was going to be in the mid-70s, and not a cloud was forecasted. All the flowers in Orlando were in bloom, and the day truly felt as though it was going to be magical. Bambi and Thumper ran by their hotel window. It truly felt surreal. The office manager went on to tell me that she decided to wear her brand new white Capri pants to the park that day. As they arrived at the gates of Disney on the hotel shuttle, the office manager felt her entire bottom was wet. When she got up to leave, she looked at her behind and found that someone had poured an entire cup of

fee in her seat. As you can imagine, the he backside of her white Capri pants was id she was terribly embarrassed. At this ost people would hurriedly get back on le and return to the hotel for a new pair . But being the martyr that most moms. it comes to their children, she decided to d bear it” so that her kids would not miss heir early-entry tickets.

n they arrived at the front gates, the ker noticed the office manager’s pants what all Disney cast members are trained rovide immediate service recovery. The mployee asked what had happened. After of the coffee incident, she came out from et counter and escorted the family to the Disney apparel store. She then explained d happened and told the apparel employee r the dental office manager to pick out any shorts or pants she would like, and Disney ick up the cost. That is incredible, but it ter. The ticket taker then told the office r and her family that they would now be sts and would get to go in the front of ne and lead Mickey in the parade on Main ater that afternoon. Now that is a “Wow” nce of epic proportions!

Have The Doctor Follow Up

One of the most powerful ways to cement the loyalty of a patient is to have the doctor personally follow-up. The follow-up should occur after the first three steps are completed and should definitely be done by the doctor. The follow-up can be done by phone, email or even by snail mail, but the key is the doctor’s interaction. If someone else does the follow-up it still has power, but ultimately, your patient will think you are simply following a procedure. If the doctor follows-up, they believe he/she truly cares. Please be sure your team feels comfortable telling you that a mistake occurred so that your practice can take advantage of this wonderful bonding opportunity.

Ask The One Question That Can Transform Your Practice

Today, your patients are inundated with information. Junk mail, email, texts, phone solicitors, and the list goes on and on. The last thing we should do is become more white noise by sending out surveys that are too long, and in some cases, irrelevant to the experience.

Frederick Reichheld one of the world's absolute experts on customer loyalty, conducted research to determine what question or questions were best to ask when surveying customers. In his book, *The Ultimate Question*, he discusses his findings which have incredible implications to your practice should you decide to act on them. Reichheld found that there is actually one

when held in isolation, that tells you, as a practice owner, everything you need to know about the current state of your practice.

The only question you need to be asking of your patients is this: **How likely is it that you will refer us to a friend or colleague?** Reichheld has a scale of zero to 10 for possible patient referrals, as illustrated below:

Reichheld's research finds that customers that score below 6 on the practice scale from 0-10 are actively disparaging your practice. They tell friends verbally that they don't like your practice and may tell the whole world about it by writing negative reviews on sites like Google Review, Yelp, and others. This group is identified by Reichheld as **Detractors**. In the dental industry as a whole, we have a very small percentage of patients that fall into this category, but you should not let that lull us to sleep. It only takes a few very upset patients to cause a major negative impact in how a practice is perceived, especially since they are technology savvy.

The second group that Reichheld identifies is **Promoters**. This group scores a nine or ten on the continuum and are absolute cheerleaders for your practice. They will tell everyone how great you are, and they are significant

contributors to the growth of your practice as it relates to referrals.

The third group identified, scores your practice a seven or eight on the question of likelihood of referring a friend or colleague. This group is actually "neutral" in their feelings, and while they like your practice just fine, they are not likely to refer you often. This group, in most cases, will represent a huge opportunity for growth if you can turn them into Promoters. In fact, Reichheld's research found that by increasing your Promoters by 12 percent, your growth as a business will double! That is incredible return on investment for "Wowing" your patients. The catch is that moving these neutral patients to delighted ones is a lot of work. It means that members of your team need to provide a "Disney-like" experience every day and with every encounter.

Is it worth it? The research says yes. Remember that as the leader of your practice, you set the tone and the tempo. I have visited with many practices doing the things discussed in this book, and they are achieving incredible results and growth. Take what you have learned or been reminded of in this book, and implement these concepts with passion. If you do, the sky is the limit. Good luck to you and your

The Momentum Maxim

tice, and remember as motivational speaker Ziglar said often, "If it is meant to be, it is up to me!"

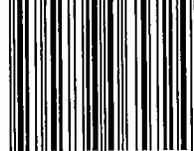


Gary Johnson has spent over twenty years developing, implementing, and overseeing marketing strategies for businesses. He has run from as small as 7 employees to as large as 300. He holds two graduate degrees in business and has been an adjunct instructor in the MBA program of several Midwest universities.

Gary is currently an executive within the dental industry and lectures to thousands of dental professionals each year. He has been a featured author in many dental and orthodontic journals on the subjects of communication, practice management and the patient experience.

\$19.95

ISBN 978-0-578-06572-4



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**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 *per course* is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Dental Prosthetic Services, Inc.
Address: 1150 Old Marion Road, NE; Cedar Rapids, Iowa 52402
Phone: 319-393-1990 Fax: 319-393-8455 E-mail: dcursion-vieira@dpsdental.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
 Dental School
 Dental Hygiene School
 Dental Assisting School
 Military
 Other (please specify): Dental Laboratory

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
 Home study (e.g. self assessment, reading, educational TV)
 Participation
 Discussion
 Demonstration

4. Course Title: 2012 Dental Sleep Medicine Symposium

5. Course Subject:

- Related to clinical practice
 Patient record keeping
 Risk Management
 Communication
 OSHA regulations/Infection Control
 Other: _____

6. Course date: September 28, 2012 Hours of instruction: 7

CK# 050248
\$10

7. Provide a detailed breakdown of contact hours for the course or program:
See Attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):
See Attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Deborah Curson-Vieira

Title: Marketing & Communication Director Phone Number: 319-393-1990

Fax Number: 319-393-8455 E-mail: dcurson-vieira@dpsdental.com

Address: 1150 Old Marion Road, NE; Cedar Rapids, Iowa 52402

Signature:  Date: September 10, 2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE** PER COURSE TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

7. Breakdown of Contact Hours for the Course:

8:00am to 12:00pm – We will be running two concurrent sessions. Dentists may choose either session.

Session 1 – Introduction to Dental Sleep Medicine with Dr. Cameron Kuehne

This course is intended for dentists and dental professionals with an interest in, or currently treating, obstructive sleep apnea (OSA) patients through the utilization of oral appliance therapy (OAT). In his presentation Dr. Kuehne will describe the condition, how it is diagnosed and treated by our medical colleagues, and how dentists can identify and treat Sleep Disordered Breathing. He will discuss the various FDA cleared oral appliances used to treat the condition and how to introduce Dental Sleep Medicine into your dental practice.

Session 2– Advanced Dental Sleep Medicine with Dr. Paul McLornan

In this advanced course Dr McLornan will review the different types of Sleep Disordered Breathing, how they are diagnosed and how we as dentists can treat them with custom made Mandibular Repositioning Devices. He will review some of the landmark research that has been recently published on the serious medical consequences of untreated Sleep Disordered Breathing. Dr McLornan will discuss communicating with medical physicians so you can attract their referrals and he will present a suggested treatment protocol for Dental Sleep Medicine patients in your office including the use of home sleep monitoring to guide our treatment. During the course there will be plenty of opportunities for you to discuss cases and share experiences with the other participating doctors. Dr McLornan will also present some “tips and tricks” that he has learned from his own sleep practice, from his travels lecturing around the country and from his own research.

1:00pm to 4:00pm – Combined Session

In the afternoon, Dr. Steven Bender will conduct a hands-on George Gauge workshop. Dr. Bender will review best practices and tips and tricks for taking a protrusive bite using the George Gauge. Scott Blodgett, R.EEG T, RPSGT, RST, will present on trends in home sleep testing and how home sleep monitors can be used in a dental practice to screen patients and titrate appliances. Finally, we will wrap up the day with a Q & A session and panel discussion on the dental sleep medicine with our featured speakers.

8. Speaker Qualifications:

Steven Bender, DDS, MAGD

Dr. Bender received his D.D.S. degree from the University of Iowa in 1974. He practiced in Bloomfield, Iowa for 26 years before returning to his hometown of Iowa City in 2000. He served as adjunct faculty in the Dept. of Operative Dentistry at U of I from 2001-2009 in addition to a private practice partnership in Iowa City. Dr. Bender began treating patients with sleep related breathing disorders in 1996 and this aspect of his practice continued to grow until 2010 when he left general dentistry and started Sleep Solutions Dental Treatment Center in Iowa City, devoted exclusively to treating patients with sleep related breathing disorders. After 38 years in dentistry, he chose to retire this past year, but continues involvement with the Iowa City Free Medical/Dental Clinic, occasional locum tenens gigs and his yearly dental volunteer missions overseas.

Scott Blodgett , R.EEG T., RPSGT, RST,

Scott Blodgett is a Registered Sleep and Electroencephalographic Technologist. A former sleep lab owner, he specialized in business development, strategy management, and driving patient-centered clinical excellence. In his previous role, he worked closely with ResMed in developing a vertically-integrated sleep medicine practice that included home sleep testing and DME. He's lectured on behalf of ResMed on the topics of home sleep testing, national testing trends, and growth opportunity. In addition to his clinical background, he holds a degree in Business Administration, will be completing his MBA in the coming months with his sights on a doctoral degree in Executive Leadership. Scott joined the ResMed team in May, 2012 and is passionate about sharing his experience with the dental field to open up market opportunities that promote best practices while improving the health of the sleep disorder population.

Cameron Kuehne, DMD

Dr. Cameron A. Kuehne, D.M.D. is a graduate of Temple University School of Dentistry. He is the Director of the Craniofacial Pain Center of Idaho, located in Boise, where his practice is limited to the treatment of craniofacial pain and dental sleep medicine. Dr. Kuehne has been mentored by world renowned experts in the fields of TMD and dental sleep medicine and has accumulated more than 600 hours of continuing education in those areas. He is currently involved in the Masters of Craniofacial Pain Program at Tufts University School of Dental Medicine. Dr. Kuehne is a Diplomate of the American Board of Dental Sleep Medicine, a Diplomate of the American Board of Craniofacial Pain, a Distinguished Fellow of the American Academy of Craniofacial Pain, and President Elect of the Southwest Idaho Dental Society. He is also adjunct faculty at Boise State University where he teaches Head and Neck Anatomy. Dr. Kuehne lectures on a local and national level.

Paul McLornan, DDS, MS

Dr. Paul McLornan is a board certified Prosthodontist in private practice in San Antonio, Texas, and is an assistant professor at the University of Texas Health Science Center San Antonio (UTHSCSA) Dental School. Dr. McLornan obtained his dental degree from Queens University, Belfast, and his specialty certificate in Prosthodontics from UTHSCSA. The treatment of Obstructive Sleep Apnea (OSA) using oral appliances was the subject of his master's of science research project during his residency. He is a member of the graduate faculty of the UTHSCSA Graduate School of Biomedical Sciences, where he serves as a research adviser to a number of OSA related studies. He is a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists. He is also a member of the American Academy of Dental Sleep Medicine and the American Academy of Sleep Medicine.

faxed 8/15/12

mailed 8/15/12

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4887
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: EASTERN IOWA COMMUNITY COLLEGE DISTRICT

Address: 306 WEST RIVER DRIVE Davenport, IA 52801

Phone: 563-344-3444 Fax: 563-345-3451 E-mail: mbriones@icc.edu

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify): Community College

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: ORAL HEALTH FOR CHILDREN AND INDIVIDUALS WITH SPECIAL HEALTH CARE NEEDS.

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 9/14/12 Hours of instruction: 7 HOURS

7. Provide a detailed breakdown of contact hours for the course or program:

SEE ATTACHED.

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

SEE ATTACHED.

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: MARY BRONWES RN, MS

Title: DIRECTOR HEALTH Phone Number: 563-336-3447

Fax Number: 563-336-3451 E-mail: mbronwes@ica.edu

Address: 306 WEST RIVER DRIVE, DAVENPORT, IA - 52801

Signature: Mary Bronwes Date: 8/15/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

**"Oral Health for Children and Individuals with Special Health Care Needs"
A Day of Continuing Dental Education**

- 7:30 – 8:15 Registration**
- 8:15 – 8:30 Opening Remarks**
- 8:30 – 10:00 Rikki Hetzler RDH
I-Smile™ Update**
- 10:00 – 10:15 Break**
- 10:15 – 11:45 Cathy Skotowski RDH, MS
Prevention Strategies and Oral Health Resources**
- 11:45 – 12:15 Lunch**
- 12:15 – 1:15 Gayle Gilbaugh RDH, BS
I. Bleeding Disorders: What Every Dental Professional Should Know**
- 1:15 – 2:15 II. Caring for Autistic Patients in Your Practice**
- 2:15 – 2:30 Break**
- 2:30 – 3:30 III. Healthy Smiles for Special Individuals**
- 3:30 – 3:45 Closing Remarks / Adjourn**

Brochure Sketch

**“Oral Health for Children and Individuals with Special Health Care Needs”
A Day of Dental Continuing Education**

This year’s continuing education program will focus on the underserved and special needs populations. Hear from three hygienists that work with these populations everyday. They will give you insight into challenges they’ve experienced, as well solutions for accommodating these patients in your own practice.

Topics of the day include; “I-Smile™ Update”, “Prevention Strategies and Oral Health Resources”, “Bleeding Disorders: What Every Dental Professional Should Know”, “Caring for Autistic Patients in Your Practice”, and “Healthy Smiles for Special Individuals.”

At the completion of this course, participants should be able to; understand the difference I-Smile™ has made in the lives of Iowa’s children; understand key components of caries prevention and fluoride therapies for children; recognize current pediatric oral health resources for patient and parent/caregiver education; understand the steps of hemostasis and types of bleeding disorders; be knowledgeable of the dental guidelines and recommendations for patients with a bleeding disorder; be familiar with the challenges related to patients with autism; identify strategies for making the dental visit more successful for autistic patients; understand factors which increase the risk of dental disease in patients with special needs; & be aware of strategies and oral health care tips for the special needs population.

Speakers:

Rikki Hetzler RDH – I-Smile™: Update

Rikki attended the Carl Sandburg College Dental Hygiene Program; graduating in 2004. Her first job out of school was in a public health dentistry setting, where she was employed for 14 months. She also volunteered with the Aledo Health Department on their “mobile dental bus” going to schools & serving the rural communities near her hometown for several years. Rikki worked in a private practice setting (where she still currently practices one day per week) for three years before returning to public health dentistry and accepting her role as I-Smile Coordinator in 2008. Rikki currently serves as the I-Smile Coordinator at Trinity Muscatine Public Health. In her position at Trinity she provides education, screening, fluoride varnish, & helps coordinate dental services for children and families in Cedar, Louisa, & Muscatine counties in Iowa.

Cathy Skotowski RDH, MS – Prevention Strategies and Oral Health Resources

Cathy is the Preventive Dentistry Program Director in the Department of Pediatric Dentistry at The University of Iowa College of Dentistry. Ms. Skotowski participates in dental student instruction in the areas of fluoride and preventive dentistry. She also coordinates community activities, which include scheduling and supervising dental health

presentations, dental screenings and fluoride varnish applications for daycare, preschool, and elementary school-aged children.

Gayle Gilbaugh RDH, BS – *Bleeding Disorders: What Every Dental Professional Should Know; Caring for Autistic Patients in Your Practice; Healthy Smiles for Special Individuals*

Gayle is a Specialized Care Coordinator and Dental Hygienist in the Pediatric Dentistry Department at The University of Iowa College of Dentistry. Ms. Gilbaugh coordinates dental training and patient care at the Center for Disabilities and Development. She is also a member of the UIHC Hemophilia Treatment Center Team and is involved in the Pediatric Dentistry Faculty Practice.

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: EASTERN IOWA Community COLLEGE
Address: 306 WEST RIVER DRIVE DWENPORT, IA. DISTRICT
Phone: 563-336-3447 Fax: 563-336-3451 E-mail: MBRIONES@EICC.EDU

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify): Community COLLEGE

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

4. Course Title: _____

5. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

6. Course date: 11/10/12 Hours of instruction: 4; 8A-12 noon

7. Provide a detailed breakdown of contact hours for the course or program:

Dental Radiography - 2 hrs.
Dental Infection Control - 2 hrs.

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Tina Ball, RDA, Dental Assistant Program Director
Jodi Jorgensen, RDA, Dental Assistant Program
Instructor, Scott Community College.

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Mary S. Briones, RN, MS

Title: DIRECTOR HEALTH Phone Number: 563-336-3447

Fax Number: 563-336-3451 E-mail: MBRIONES@ECCU.EDU

Address: 306 WEST KIEW DR. DAVENPORT, IA 52801

Signature: Mary Briones Date: 8/30/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Dental Infection Control & Radiology Update

This course will review and update the dental assistants with current information on infection control and radiology techniques and principles. This meets the requirements for training established by the Iowa Dental Board.

Objectives:

1. Discuss infection control and prevention in transmission of blood borne pathogens.
2. Review health and safety standards from OSHA and CDC.
3. Identify methods and techniques for sterilization and disinfection.
4. Understand the basic principles and concepts of radiation in general and X-radiation in particular.
5. Identify the component parts and workings of the dental x-ray machine and production of x-rays.
6. Relate factors effecting the quality of the x-ray beam and radiologic image.
7. Understand the effects of ionizing radiation on living tissue.
8. Recognize radiation bioeffects, health, and safety.
9. Demonstrate radiation protection procedures for the operator and patient.

Tina L Ball
2103 Mulberry Ave • Muscatine Iowa 52761 •
tinaball@machlink.com (563)506-8533

SEEKING DENTAL ASSISTING TEACHING POSITION

Self-directed, enthusiastic educator with a passionate commitment to student development and the learning experience. Skilled in the design of challenging, enriching, and innovative activities that address the diverse interests and needs of students. Possess outstanding communication skills; present information in a variety of ways, collaborates with all levels of faculty, staff members and establishes quality relationships with students.

Experience in

- Curriculum Design and Development
 - Program Development
 - Program Accreditation
 - Student Assessment
 - Classroom Management
 - Program Evaluation & Review
 - Program Resources and Equipment
 - Development of Online Hybrid Courses
-

EDUCATION & CERTIFICATIONS

Robert Morris College – Dental Assisting Diploma- Carthage IL (1987)

Muscatine Community College – Liberal Arts AA – Muscatine IA

University of Iowa –Health Occupations Education Program – Teaching Certificate Courses –

Iowa City Iowa (1995 – 2000)

Iowa Dental Assisting Registration and Radiography Qualification

Certified Dental Assistant-Dental Assisting National Board

Health Care Provider – CPR

Expanded Functions Dental Assistant

TEACHING EXPERIENCE

Eastern Iowa Community College, Bettendorf Iowa

1996 – Current

Position – Program Director and Instructor

Position – Program Director and Instructor**Duties:**

- Coordinate the review, revision, and or development of the program and its policies and procedures.
- Liaison to the dental community, advisory board, and state board of dentistry
- Coordinating dental assisting clinical sites, site selection, affiliation agreements, and rotation schedules for the dental assisting program
- Monitored student externships experience
- Developed annual budget for the program and supervised expenditures
- Participated in hiring of full-time, adjunct faculty and provided orientation and mentoring
- Student Recruiting
- Advising of current and new students
- Coordinating selection of advisory committee members and coordinating the work of the advisory committee
- Coordinated selection of textbooks, instructional materials, and learning resources and supervising the annual inventory
- Revising and developing tools used for evaluation, surveys, recording and reporting data, and faculty and student use
- Gathering and evaluating statistics for the dental assisting program and external accreditation reports.
- Coordinating program review and developing action plans based on feedback and follow through response
- Developing new courses and programs
- Instructor of all dental assisting program courses at the Eastern Iowa Community College.

PROFESSIONAL RECOGNITION & ACTIVITIES

Iowa Community College Online Consortium – Online Learning

Who's Who Among American Teachers

Who's Who Among American Teachers

Montclair Who's Who Among College Faculty

The Way Up Developing Women Leaders To Enhance Iowa Higher Education – Speaker

American Dental Assistant Association Member

Iowa Dental Assistant Association Member and Speaker

Davenport District Dental Assistant Association Member, Past Trustee, and Speaker

RECEIVED

SEP 7 REC'D

RECEIVED

**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

*filed 9/5/12
mailed 9/5/12*

Note: A fee of \$10 *per course* is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Eastern Iowa Community College
Address: 306 WEST RIVER DRIVE Davenport, IA. DISTRICT
Phone: 563-336-3447 Fax: 563-336-3451 E-mail: MBRIDGES@EICC.EDU

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify): Community College

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

4. Course Title: Dentistry in the Field

5. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

6. Course date: 10/22/12 Hours of instruction: 2

7. Provide a detailed breakdown of contact hours for the course or program:

SEE ATTACHED

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

CHRIS CANNON, DDS

SEE ATTACHED

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: MARY J. BRIONES, RN, MS

Title: DIRECTOR HEALTH Phone Number: 563-336-3447

Fax Number: 563-336-3451 E-mail: MBRIONES@EICL.EDU

Address: 306 WEST KVIEW DR. DAVENPORT, IA 52801

Signature: Mary Briones Date: 9/5/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

MONDAY OCTOBER 22, 2012 -BELMONT CAMPUS 7pm-9pm

DENTISTRY IN THE FIELD

PRESENTER - DR. CHRIS CANNON, DDS

CLASS OUTLINE

THIS TWO HOUR SEMINAR WILL SHOW DENTAL PROFESSIONALS HOW TO PREPARE AND CARE FOR PATIENTS IN A NOT SO IDEAL SETTING, NOT ONLY IN OUR COUNTRY, BUT IN THIRD WORLD COUNTRIES. THE DENTAL ASSISTANT WILL BE INFORMED ON HOW TO HANDLE INFECTION CONTROL, PATIENT CARE, AND FOLLOW UP PROCEDURES. DR. WILL GO THROUGH WHAT A TYPICAL DAY WOULD BE LIKE. DR. CANNON WILL ALSO INSTRUCT PARTICIPANTS ON WHAT SUPPLIES ARE NEEDED TO DO TREATMENT, BOTH PREVENTIVE AND LONG TERM. DO WE DO FILLINGS OR EXTRACTIONS? WHAT IS THE BEST COURSE OF TREATMENT FOR THE PATIENT? QUESTIONS LIKE THIS WILL BE COVERED. DR. CANNON WILL GO OVER SOME OF THE PLACES HE HAS BEEN TO AND WHAT TYPES OF TREATMENT WAS DONE AND WHY HE GOES BACK TO THE SAME AREA. WE WILL ALSO SEE WHAT THE PERSONAL REWARDS ARE FOR DOING DENTISTRY IN THE FIELD.

OBJECTIVES

- PARTICIPANTS WILL BE INFORMED ON INFECTION CONTROL IN ADVERSE SETTINGS
- PATIENT MANAGEMENT WILL BE
- PARTICIPANTS WILL UNDERSTAND THE TYPES OF SUPPLIES NEEDED AND HOW TO GET THEM THERE
- KNOWLEDGE OF WHAT TYPE OF PATIENTS WILL BE SEEN AND HOW MANY MAY BE SEEN ON ANY GIVEN DAY
- GAINING THE KNOWLEDGE TO SUCCESSFULLY DO DENTISTRY IN THE FIELD

Curriculum Vitae

Name: Christopher Mark Cannon
Address: 1 South Shore LN, Rapids City, IL. 61278
Date of Birth: September 29, 1961
Place of Birth: Davenport, IA.

Education:

1984 BS Loyola University, Chicago, Illinois
1988 DDS Northwestern University Dental School, Chicago, Illinois
1990 Harvard University Dental School, Boston Massachusetts
Certificate in Pediatric Dentistry

Postdoctoral Training:

1988-1989 Dental Intern, Department of Dentistry, The Children's Hospital, Boston
Massachusetts
1989-1990 Dental Resident, Department of Dentistry The Children's
Hospital, Boston Massachusetts
1989-1990 Chief Resident, Department of Dentistry, The Children's Hospital, Boston,
Massachusetts

License:

1988 National Board of Examiners
1988 Northeast Regional Board Certificate
1989 Massachusetts Dental License
1990 Central Regional Board Certification
1990 Iowa Dental License
2001 Illinois Dental License

Academic Appointment:

1988-1991 Clinical Fellow in Pediatric Dentistry, Harvard School of Medicine, Boston,
Massachusetts
1990-1991 Department of Pediatric Dentistry, Tufts University of Dental Medicine
1992-1996 Adjunct Professor in Pediatric Dentistry, University of Iowa Dental School,
Iowa City, Iowa

Teaching Experience:

1988-1990 Preclinical/clinical supervisor of predoctoral dental students in Pediatric Dentistry, Harvard School of Dental Medicine, Boston, Massachusetts
1990-1991 Clinical supervisor for Pediatric Dentistry of postdoctoral students, The Children's Hospital, Boston, Massachusetts
1992-1996 Clinical supervisor of pre/post-doctoral students in Pediatric Dentistry, University of Iowa Dental School, Iowa City, Iowa
2000- Present Guest Lecturer, Medical Sociology in 3rd World Countries, St. Ambrose University, Davenport, Iowa

Memberships, Offices and Professional Societies:

1984-1988 American Student Dental Society
1985-Present Student Member, American Society of Dentistry for Children
1985-Present Chicago Dental Society
1987 President of Student Council, Northwestern University Dental School
1987 President of Student Honor Board, Northwestern University Dental School
1988-Present American Dental Association
1988-Present American Academy of Pediatric Dentistry
1990-1991 Massachusetts Academy of Pediatric Dentistry
1990-Present Project Stretch, Boston Massachusetts
1991-Present Iowa Dental Association
1997-2004 Illinois Association of Pediatric Dentists
1999-Present Iowa Association of Pediatric Dentists

Hospital Privileges:

1992 Davenport Medical Center, Davenport, Iowa
1993-Present Genesis Medical Center, Davenport, Iowa

Awards and Honors:

1984-1988 Northwestern University Dental School Scholarship Grant
1984 Alpha Epsilon Dental Biology Honor Society

Research Interests:

- 1.) The availability of fluoride in concentrated fruit juices reconstituted with fluoridated water.
- 2.) The occurrence of otitis media in children with nursing pattern of decay.

Other:

- 1998-Present Guest speaker on weekly show "Ask the Dentist", WQAD-TV, Moline, Illinois
- 2000-Present Missionary Dentistry, 3rd World Countries
- 2006-Present Board Member, San Juan Rio Relief
- 2011-Present President, San Juan Rio Relief

10/10/10

AUG 29 REC'D

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APPLICATION FOR POST APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
Phone (515) 281-5157
www.dentalboard.iowa.gov

NOTE: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Course Title: Practice Integration Seminar For Invisalign

2. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

3. Course date: Friday, August 24, 2018 Hours of instruction: 8 hours

4. Provide a detailed breakdown of contact hours for the course or program:

8-12:15 General Session

1:15-3:15 Doctor Break out, Team Breakout

3:30-5:00 General Session

5. Name of course sponsor: Dr. Edward Gardner

Address: 8133 Forest Hill Ave, #301

Richmond, VA 23235

6. Which of the following educational methods were used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

OK# 14504
\$10

7. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

Dr. Edward Gardner - Dental Degree - Virginia
School of Dentistry, Member - ADA, Virginia DA, Richmond
Dental Society and Academy of General Dentistry

8. Please attach a program brochure, course description, or other explanatory material.

9. Name of person completing application: Jan Schreier

Title: Dental Assistant Phone Number: 515-964-1490

Fax Number: 515-965-5603 E-mail: jan@ankensmiles.com

Address: 907 N Ankeny Blvd Ankeny, IA 50021

Signature: Jan Schreier Date: 8/28/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov. Continuing education guidelines and rules are also available on the Board's website. A course is generally acceptable and does not need to go through this formal approval process if it is directly related to clinical practice/oral health care.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

Dr U, Mal & Toni
Gardner

Practice Integration Seminar - Dr. Edward Gardner
Register by calling 1-866-217-0282.

Course Hours: **Omaha - Friday, August 24th** *Register early!*
7:00 AM - 8:00 AM Registration
8:00 AM - 5:00 PM Practice Development Seminar
(Continental Breakfast/Lunch provided)

**GROW YOUR PRACTICE:
MAKE INVISALIGN A PART OF YOUR OFFICE ROUTINE**

This interactive one-day seminar shows you and your team how to leverage the tools and techniques you may already use in your practice to help you increase your Invisalign case submissions and grow your business.

In this course, doctors and their teams learn how to:

- **Organize the office for increased efficiency and profitability:** Learn to effectively manage Invisalign appointments and cases, office communications, and patient charts. Measure your results and see how profitable Invisalign can be.
- **Improve your Invisalign case review skills:** Learn how to effectively and efficiently evaluate your ClinCheck® Treatment Plans. Also, learn about the latest Invisalign set-up protocols and how they relate to doctor preferences.
- **Discover the connection between straight teeth and improved oral health:** Learn effective ways to discuss the relationship between straight teeth, healthy tissue and improved oral health, as well as identify patients who could benefit from straight teeth.
- **Motivate the entire office to promote Invisalign:** Educate, motivate and incentivize your staff to work as a high-performing Invisalign team. Discover easy to set-up programs and incentives to increase Invisalign production.

ATTENDEES AT DR. GARDNER'S SEMINARS HAVE INCREASED THEIR INVISALIGN PRODUCTION BY 52%**

"Dr. Gardner is a wet finger dentist. He knows what works and what doesn't work with Invisalign cases and gave me good tips on how to approach Invisalign cases day in and day out." Dr. Kozlow, Dallas, TX

Prerequisites:

Clear Essentials I

Continuing Education Hours:

Dentists and Staff: 8 CE hours

Tuition/Fees:

For courses offered after January 1, 2012, seminar price will be \$199.

Clinical training provided by guest speakers reflects their own views and not necessarily those of Align Technology, Inc. Contact your Invisalign Registrar for rules and policies. Schedule, location, pricing, and promotional offers are subject to change without notice.

Featured Speaker



free for Premier Providers

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IOWA ORAL & MAXILLOFACIAL SURGEONS BOARD



IOWA ORAL & MAXILLOFACIAL SURGEONS, P.C.

Dr. John A. Maletta • Dr. Steven T. Reynolds • Dr. Neil T. Dunbar • Dr. Darren R. Jirsa • Dr. Todd E. Nielsen
Diplomates, American Board of Oral & Maxillofacial Surgery

- October 15, 2012 Digital Orthodontics and case presentations
Dr. Kyle Mann *u of I* *3u*
- November 5, 2012 Everyday Dentistry, more than Everyday Esthetics
Dr. Robert Margeas *6u*
- January 21, 2013 Pharmacology
Dr. Karen Baker
- February 11, 2013 Strategies for Restorative Success in the Esthetic
Zone with Teeth and Implants
Dr. Jean- Francois Bedard *6u*
- March 25, 2013 Employee Embezzlement and Fraud:
Detection, Protection and Prosecution
Dr. Donald P Lewis *6u*

1469 29th Street
West Des Moines, IA 50266
(515) 223-6529
Fax 223-5448

3310 East Euclid Ave.
Des Moines, IA 50317
(515) 262-6035
Fax 262-1962

231 NW School St.
Ankeny, IA 50023
(515) 964-7508
Fax 964-7532

Degrees: DMD
Category: All-On-4 prosthetics, NobelActive Pros, NobelClinician, NobelProcera - Esthetics, NobelReplace PS, Restorative - Implants
Color:
Location: City: Englewood State: CO

NTD
Prefers
Full day
830-3
1 hr lunch
to see?



Dr. Bedard obtained his DMD degree from the University de Montreal in 1993. He then completed a GPR residency at Peninsula Hospital Center in New York, a residency in Prosthodontics at the Kansas City V.A. Medical Center, and a fellowship in Maxillofacial Prosthetics at the University of Chicago, after which he joined the faculty and taught for 4 years. Since relocating in 2001, Dr. Bedard limits his full-time practice in Englewood, Colorado, to conventional and implant prosthodontics. He is the founder of The Center for Dental Implant Excellence®, an advanced learning institute. Dr. Bedard lectures weekly on aesthetic, reconstructive & implant dentistry, both nationally and internationally. He is a fellow of the American Academy of Maxillofacial Prosthetics, a member of the Academy of Osseointegration, the American College of Prosthodontists, and has several articles to his credit in peer-reviewed journals, both in print and electronic formats.

attached added on 06/02/2010

Title

Strategies for restorative success in the esthetic zone with teeth and implants

-Introduction

-Determining single teeth esthetic needs

Understanding the difficulty in correcting soft tissue deficiencies after implant placement

-Conventional Treatment Sequence

-Delayed loading protocol

-Problems and challenges of conventional protocol

-Enhanced Protocols

-Strategies for optimal implant size and position

-Strategies for optimized abutment design and restorative protocol changes

1) Single tooth implant

-Where do we want the implant? (as opposed to where is the bone?)

-Laboratory surgery

Jean-François Bédard



Dr. Bédard obtained his DMD degree from the Université de Montréal in 1993, completed a General Practice Residency at Peninsula Hospital Center in New York, a residency in Prosthodontics at the Kansas City V.A. Medical Center, and a fellowship in Maxillofacial Prosthetics at the University of Chicago, where he joined the faculty and taught for the following 4 years. Since relocating in 2001, Dr. Bédard limits his full-time practice in Englewood, Colorado, to implant-retained & aesthetic, reconstructive dental and maxillofacial restorations. He is the founder of The Center for Dental Implant Excellence®, an advanced learning institute.

TOPICS AVAILABLE (Intended attendees: dentists, dental specialists, dental assistants, lab technicians)

"Immediate function 101; why not now?"

"Keys to predictable esthetics in implant dentistry"

"Enhanced implant protocols for ultimate predictability and esthetics using NobelReplace"

"Full arch implant reconstructions; from overdentures to All-on-4"

"Biologically and restoratively driven implant dentistry in the esthetic zone using NobelActive"

"Guided implant protocols 2011 using NobelClinician; why, when, where, how"

"Platform shifting with NobelReplace; a biological connection with a time-tested root form"

"Strategies for restorative success in the esthetic zone using NobelProcera with teeth and implants"

*Lecture material can cover NobelReplace (conventional, platform shift, conical connection), NobelActive, or a combination

**Each program is designed for a full day (i.e. 6-7 hours lecture), but can be modified to accommodate an evening or a morning presentation.

AV REQUIREMENTS

10 foot (or wider) screen and LCD projector (3000-4000 lumens min.), projector stand or table, 1 power cord and surge protector, 1 extra long VGA cable and 1 lavalier wireless microphone.

Lecture room needs to be able to be completely darkened (i.e. if there are windows, opaque shades need to be able to be fully closed to eliminate light and glare).

CONTACT INFORMATION

Dr. Bédard can be reached at 303.868.2200 (mobile) or jfbedard1@me.com

SEP 5 2012

**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: GV Black Study Club
Address: 1469 29th St. WDSM, IA 50266
Phone: 515223 6529 Fax: 5152235448 E-mail: rbriant@iowadentalsurgery.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
 Dental School
 Dental Hygiene School
 Dental Assisting School
 Military
 Other (please specify): Dental Study Clubs

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
 Home study (e.g. self assessment, reading, educational TV)
 Participation
 Discussion
 Demonstration

4. Course Title: Digital Orthodontics and Case Presentations

5. Course Subject:

- Related to clinical practice
 Patient record keeping
 Risk Management
 Communication
 OSHA regulations/Infection Control
 Other: _____

6. Course date: 10/19/12 Hours of instruction: 3

CK# 1158
#10

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Dr. Kyle Mann - See attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Betty Briant

Title: Admin. Assist. Phone Number: 515-223-6529

Fax Number: 515 223 5448 E-mail: rbriant@iowarad.surgery.com

Address: 1469 29th St. WDSM IA 50266

Signature: Betty Briant Date: 8/24/12

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MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Bio:

Dr. Kyle Mann obtained his D.D.S. degree from the University of Iowa in 2006. He then completed his residency from the University of Iowa in 2008 receiving his M.S. in orthodontics. After graduation, he joined a group orthodontic practice in the Des Moines area. In 2009, Dr. Mann became a partner at Smile Orthodontics. He is a member of the American Dental Association, the American Association of Orthodontists, the Midwest Society of Orthodontists, the Iowa Society of Orthodontists, and a member of the G.V. Black Dental Study Group of Des Moines. Dr. Mann has been the author or co-author of multiple articles printed in the American Journal of Orthodontics and Dentofacial Orthopedics.

Course:

Title - Digital, Customized Orthodontics Therapy with Case Examples

Overview - Review current concepts of orthodontic tooth movement. Discuss limitations of conventional orthodontic therapy. Explain the rationale for digital, customized orthodontic treatment. Demonstrations of digital diagnosis, digital treatment planning, and digital therapeutic planning. Present case examples utilizing the digital environment.

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APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: GV Black Study Club

Address: 1469 29th St. WDSM, IA 50266

Phone: 515223 6529 Fax: 515223 5448 E-mail: rbriant@iowadental.org

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military

Other (please specify): Dental Study Club

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: Eliminate Embezzlement & Fraud in the Healthcare

5. Course Subject: Office

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 03/25/2013 Hours of instruction: 6

7. Provide a detailed breakdown of contact hours for the course or program:

see attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Dr. Donald P. Lewis - see attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Becky Briant

Title: Admin. Assist. Phone Number: 515-223-6529

Fax Number: 515-223-5448 E-mail: rbriant@iowaoral surgery.com

Address: 1469 9th St. WDSM, IA 50866

Signature: Becky Briant Date: 8/24/12

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MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

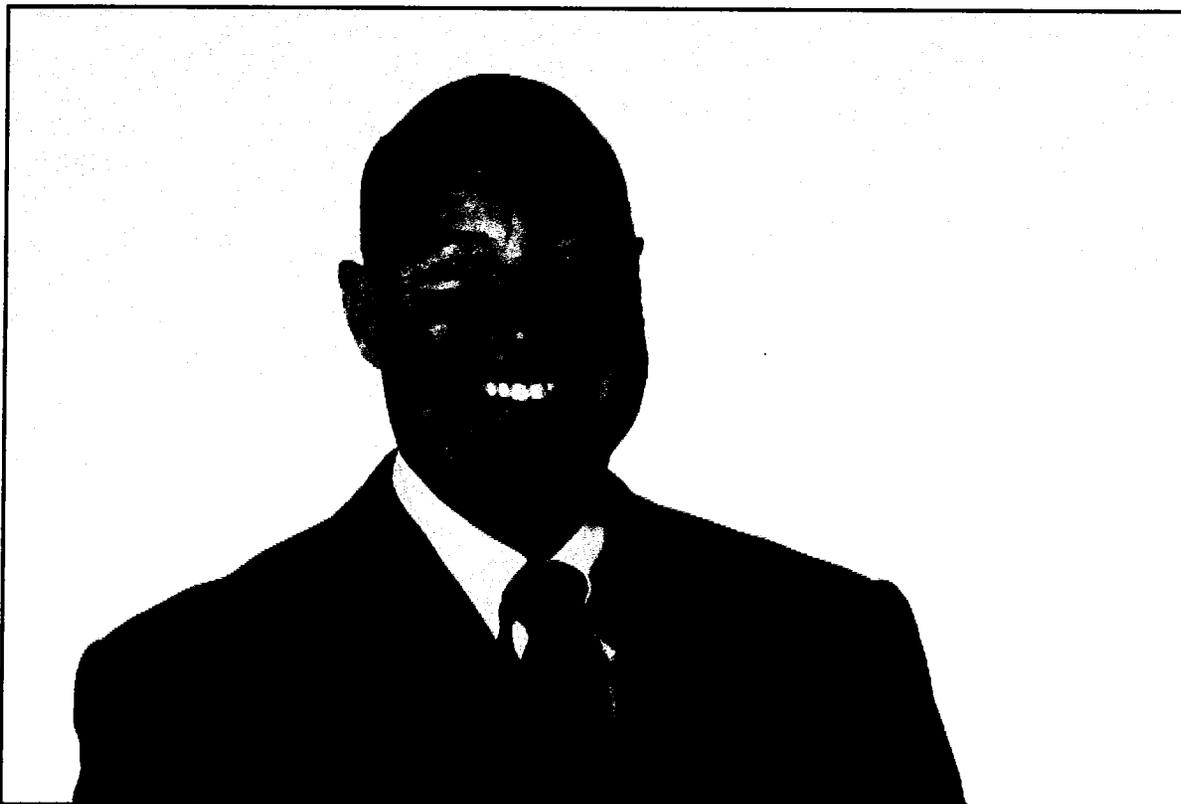
**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

FraudNet Pro

Eliminate Embezzlement and Fraud in the Healthcare Office

- Home
- Biography
- Seminars
 - Practice Management
 - Employee Embezzlement and Fraud: Detection, Protection, and Prosecution
 - Everyday Fraud, Scams and Schemes- How to Protect Yourself
 - Clinical
- Books
 - Employee Embezzlement and Fraud in the Dental Office
 - Roadmap to Financial Integrity in the Dental Practice
 - Advanced Protocols for Medical Emergencies
- Testimonials
- Blog
- Articles
- Engage

Biography



Donald P. Lewis Jr., DDS, CFE is a Diplomate of the American Board of Oral and Maxillofacial Surgery and is currently in private practice in Cleveland, Ohio.

Educating a Surgeon

Originally from the eastside of Cleveland, Ohio, Dr. Lewis received his undergraduate degree from Valparaiso University (BS Chemistry), his Doctor of Dental Surgery (DDS) from Case Western Reserve University School of Dentistry, and his Post graduate Residency in Oral and Maxillofacial Surgery at The University Hospitals of Cleveland. He is a Professor of Oral and Maxillofacial Surgery at Case Western Reserve University School of Dental Medicine. In addition, he has been a guest lecturer in the MBA program at the Weatherhead School of Business at Case Western Reserve University, Department of Sociology at Kent State University, Department of Criminology at Bowling Green State University and Lakeland Community College in the area of Business Ethics.

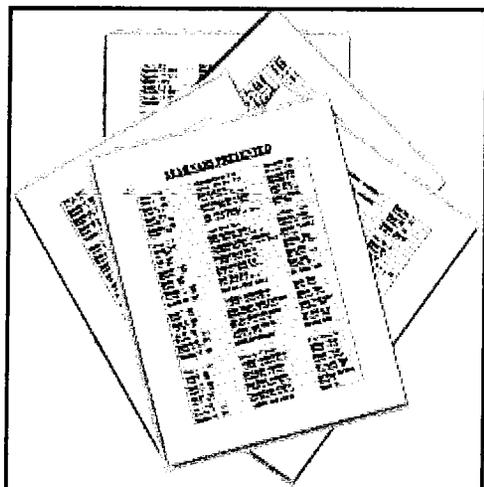
Discovering Embezzlement

In 1993, Dr. Lewis discovered that his practice was a victim of a very silent and financially draining crime – embezzlement. Not knowing where to turn, he started his own investigation of the crime. He continued with the process of prosecution and recovery of lost funds on his own. After the recovery phase of his case, Dr. Lewis felt that he needed to know as much about not only this type of crime, but also the type of perpetrator that could cause such financial havoc in our practices. Dr. Lewis has researched the topic of white-collar crime extensively for the past 18 years. He brings an approach to this subject from the victims viewpoint.

Published

Through his extensive research on the subject of embezzlement and fraud, Dr. Lewis has published over eighteen articles dealing with white-collar crime in local, state and national publications and authored two books, *Employee Embezzlement and Fraud in the Dental Office: Scams, Schemes and Broken Dreams*, and *Your Roadmap to Financial Integrity in the Dental Practice: A Teamwork Approach to Fraud Protection and Security*. These books are written exclusively to address this growing problem of fraud and embezzlement in the health care profession.

Certified



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APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
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Phone: 515223 6529 Fax: 5152235448 E-mail: rbriant@iowadentalsurgery.com

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Dental Assisting School
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3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: Strategies for restorative success in the esthetic zone with teeth and implants

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 2/11/2013 Hours of instruction: 6

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Dr. Jean-Francois Bedard - See attached.

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Betty Briant

Title: Admin. Assist. Phone Number: 515-223-6529

Fax Number: 515 223 5448 E-mail: rbriant@iowaroyal.surgery.com

Address: 1469 29th St. WDesm, IA 50266

Signature: Betty Briant Date: 8/24/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Degrees: DMD
Category: All-On-4 prosthetics, NobelActive Pros, NobelClinician, NobelProcera, Esthetics, NobelReplace PS, Restorative - Implants
Color:
Location: City: Englewood, State: CO



Dr. Bedard obtained his DMD degree from the University de Montreal in 1993. He then completed a GPR residency at Peninsula Hospital Center in New York, a residency in Prosthodontics at the Kansas City V.A. Medical Center, and a fellowship in Maxillofacial Prosthetics at the University of Chicago, after which he joined the faculty and taught for 4 years. Since relocating in 2001, Dr. Bedard limits his full-time practice in Englewood, Colorado, to conventional and implant prosthodontics. He is the founder of The Center for Dental Implant Excellence®, an advanced learning institute. Dr. Bedard lectures weekly on aesthetic, reconstructive & implant dentistry, both nationally and internationally. He is a fellow of the American Academy of Maxillofacial Prosthetics, a member of the Academy of Osseointegration, the American College of Prosthodontists, and has several articles to his credit in peer-reviewed journals, both in print and electronic formats.

attached added on 06/02/2010

Title

Strategies for restorative success in the esthetic zone with teeth and implants

-Introduction

-Determining single teeth esthetic needs

Understanding the difficulty in correcting soft tissue deficiencies after implant placement

-Conventional Treatment Sequence

-Delayed loading protocol

-Problems and challenges of conventional protocol

-Enhanced Protocols

-Strategies for optimal implant size and position

-Strategies for optimized abutment design and restorative protocol changes

1) Single tooth implant

-Where do we want the implant? (as opposed to where is the bone?)

-Laboratory surgery

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: GV Black Study Club

Address: 1469 29th St, WDSM, IA 52266

Phone: 5152236529 Fax: 5152235448 E-mail: vbriant@broadalsurgery.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military

Other (please specify): Dental Study Club

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: Department of Oral Medicine - UofI College of Dentistry

5. Course Subject: Ms. Karen Baker

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 01/21/2013 Hours of instruction: 6

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

Karen Baker - See attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Becley Briant

Title: Administrative Assistant Phone Number: 515.223.6529

Fax Number: 5152235448 E-mail: vbriant@iowadental.org

Address: 1469 29th St WDSM IA 50266

Signature: Becley Briant Date: 8/24/12

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MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

"Treating the New Millenium Dental Patient: Medicated and Complicated!"



Karen Baker

Professor Karen A. Baker has been on the Dental College faculty at the University of Iowa for 28 years and occupies a unique role in dental practice and education. She is a clinical pharmacist with a Master's degree in clinical pharmacology and therapeutics and is focused on patient-specific dental drug therapy. She has given over 800 programs nationally and internationally and holds memberships in many dental and clinical pharmacology and therapeutics organizations. Ms. Baker is on the editorial board of the Journal of the Academy of General Dentistry. Her dental education-based pharmacy and drug therapy consultation center is the only one in the United States. She has authored more than 50 articles and abstracts and lectures extensively in pre-doctoral and graduate-level courses at the University of Iowa.

Course Information

Should you worry about bleeding if patients take anti-platelet medications like Plavix? Do all beta-blockers put patients at risk of epinephrine-induced hypertension? Which antidepressants cause the most severe xerostomia and what should you do to help your patient? Are there any herbal medicines or dietary supplements that are likely to be dangerous for patients undergoing even minor surgery? What dose of prednisone puts patients at risk from stress? Each day you see more patients who report four or more chronic diseases and take four or more chronic medications. Dental professionals are frequently faced with medically complex patients and need practical strategies for providing safe and appropriate care. The purpose of this course is to familiarize the dental professional with medication effects important in clinical dentistry. Extensive handouts will supplement discussion of intra-oral drug effects and treatment modifications involving medicated patients. Drug references including PDA programs will be compared and recommendations about clinical usefulness will be discussed. Controversial issues related to the prophylactic use of antibiotics, implications of alternative medicine, and dental drug interactions will be presented. Throughout the program, primary emphasis will be placed on developing consistent strategies for treating medically complex dental patients. An extensive and very current handout will greatly enhance the chairside value of this fast-paced, comprehensive and practical course.

Objectives:

After attending this course and reviewing the handouts, the participant should be able to:

1. Recognize the specific dental treatment modifications necessary to prevent complications in patients with major cardiovascular or central nervous system disorders.
2. Prescribe antibiotic premedication based on risk vs. benefit for cardiac lesions and implants.
3. Identify and safely manage the dental patient on chronic medications for diabetes, asthma, gastroesophageal reflux disease (GERD), and peptic ulcer disease.
4. List the chronic medications or dietary supplements likely to precipitate major interactions with dental antibiotics, analgesics, local anesthetics, and oral or parenteral anesthesia agents.

USEFUL DRUG & DENTAL MANAGEMENT REFERENCES

Karen Baker, M.S.Pharm.

University of Iowa College of Dentistry

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I. PROPERTIES OF THE IDEAL DRUG REFERENCE

- **Comprehensive** - index lists brand and generic names of all drugs marketed in the USA
- **Comparative** - includes tables of drug categories vs. side effects, kinetics, interactions, spectrum of action for antimicrobials.
- **Complete** - includes both prescription AND OTC medications in U.S. and Canada

II. GENERAL DRUG REFERENCE SOURCES

- A. **DRUG FACTS AND COMPARISONS (DFC)**-www.factsandcomparisons.com
-pocket edition is \$69.95, loose leaf is \$429 with renewals at \$389, Drug Interactions Facts is \$235/\$89.95
-2009 annual hardcover edition (no monthly updates) is \$215/year/22,000 Rx, 6000 OTC drugs
-2009-available for PDA called A to Z Drug Facts for PDA/Pocket PC
- B. **LEXI-COMP DRUG INFORMATION HANDBOOK FOR DENTISTRY** – www.lexi.com
-2009 Handbook 14th ed. (May-June) is \$44.95, available for one or more office PCs as well
-2009 PDA/Blackberry Lexi Drugs for Dentistry is \$75/year. Lexi-Interact PDA/Blackberry also \$75/year

III. SPECIFIC DENTAL DRUG RESOURCES

- A. **GUIDE TO ANTIMICROBIAL THERAPY 2009** (June every year) – www.sanfordguide.com
-desktop, spiral bound, softcover, PDA/Pocket PC versions available
-Spiral is \$29.95, softcover is \$12.50, PDA/Pocket PC are \$29.95
- B. **PEDIATRIC DRUG DOSAGE HANDBOOKS**
1. Harriet Lane Handbook: A Manual for Pediatric House Officers. Mosby.
 2. Pediatric Lexi-Drugs for Blackberry by Lexi-Comp
 3. Pediatric Dosage Handbook 13th edition, \$49.95 by Lexi-Comp
- C. **CONSCIOUS SEDATION HANDBOOKS**
1. Malamed Stanley. Sedation: A Guide to Patient Management. 4th edition, 2003, C.V. Mosby (\$69.95)
 2. Handbook of Nitrous Oxide and Oxygen Sedation. 3rd edition, 2008. C.V. Mosby (\$46.95)
- D. **DENTAL MANAGEMENT GUIDES**
1. Malamed Stanley. Medical Emergencies in the Dental Office. 6th edition. 2007 (69.95)
 2. Little and Falace. Dental Management of the Medically Compromised Patient. 7th edition. 2008 (68.95)
 3. Bennett and Rosenberg. Medical Emergencies in Dentistry. 1st edition, 2002 (75.95)

IV. Herbal and Nutritional Drug Product References

- A. **Natural Medicines Comprehensive Database** – www.naturaldatabase.com
-best resource for health professionals and reasonably priced at \$75/year
- B. **Nutrition Action Health Letter** – www.espinet.org
-published by Center for Science in the Public Interest (CSPI) - \$24/10 issues per year
- C. **Other Useful Websites**
-www.consumerlab.com, www.quackwatch.com, www.mskcc.org/mskcc/html/11570.cfm, www.ific.org

NEW STRATEGIES FOR TARGETING ANTIBIOTIC USE IN CLINICAL DENTISTRY

Karen Baker, B.S., R.Ph, M.S.
The University of Iowa Colleges of Dentistry & Pharmacy
© 2009 k.baker

I. TARGETED INDICATIONS IN DENTAL PRACTICE

A. Therapeutic Indications

1. Acute cellulitis of dental origin
2. Acute pericoronitis with elevated temperature and trismus
3. Deep fascial space infections
4. Open fractures of the mandible and maxilla
5. Extensive, deep, or old (>6hours) orofacial lacerations
6. Dental infection or oral surgery in the compromised host

B. Prophylactic Indications

1. Valvular heart disease
2. Prosthetic heart valve
3. Intravascular access device in place
4. Prosthetic joint replacement (first two years)

II. TARGETED PATIENTS AT INCREASED RISK OF OROFACIAL INFECTIONS

A. Patient-Specific Risk Factors

1. Immunocompromised by drug therapy or disease process
 - a. drug therapy – methotrexate, cyclophosphamide, prednisone, hydroxychloroquine, cyclosporine A, etc.
 - b. disease process – SLE, rheumatoid arthritis, malnutrition, neoplastic disease, poor glycemic control in diabetics (A1c > 7%)
2. Impaired by trauma, surgery, reduced circulation, or implanted device
 - a. hematomas and scar tissue – promote bacterial proliferation
 - b. reduced circulation – may prevent antibiotic from reaching site
 - c. implanted devices – intravascular devices are the leading cause of nosocomial infections and increase risk of endocarditis in some cases
3. Renal Insufficiency
 - a. Tetracycline and minocycline are contraindicated in renal failure
 - b. Dosage reduction necessary for amoxicillin, cefuroxime, cephalexin, and fluoroquinolones
 - c. No dosage reduction necessary for azithromycin, cefaclor, clindamycin, dicloxacillin, doxycycline, erythromycin, metronidazole

4. Diabetic Glycemic Control

Correlation Between A1c and Mean Plasma Glucose

A1c (%)	Mean plasma glucose
6	135mg/dl
7	170mg/dl
8	205mg/dl
9	240mg/dl
10	275mg/dl
11	310mg/dl
12	345mg/dl

Importance of Glycemic Control in Dental Patients

Prevention of hyperglycemia
 Nonketotic hypertonicity/ketoacidosis
 Impaired wound healing
 Increased risk of oral infection
 Delayed gastric emptying could lead to aspiration during a procedure
 Prevention of hypoglycemia

5. MedicoLegal Issues in Antibiotic Prescribing

Reasons Why Antibiotics Fail

- Inadequate drainage or debridement
- Antibiotic does not reach infection site
- Physical obstruction or open access
- Systemic disease alters host response
- Foreign body reaction
- Patient noncompliance
- Inadequate dose or duration
- Wrong antibiotic is chosen
- Development of bacterial resistance
- Concomitant therapy interferes

Pitfalls in Antibiotic Prescribing

- Antibiotic adverse effects not considered
- Cost of antibiotic not considered
- Rapid and inappropriate therapy changes
- Patient is not counseled or monitored
- Trying to treat viral infections
- Inappropriate drug or dosage selection
- Infecting agent not documented
- Failure to correct contributing factors

PDL Study Club 2009-2010

Professor Karen A. Baker has been on the Dental College faculty at the University of Iowa for 25 years and occupies a unique role in dental practice and education. She is a clinical pharmacologist with a master's degree in clinical pharmacology and therapeutics and is focused on patient-specific dental drug therapy. She has given over 700 programs nationally and internationally and holds memberships in the American Dental Association, the American Dental Education Association, the American Pharmaceutical Association, the American College of Clinical Pharmacy and the Omicron Kappa Upsilon Dental Honor Society. Ms Baker is on the editorial board of the Journal of the Academy of the Academy of General Dentistry. She directs the operation of an in-house pharmacy and drug consultation center which serves dental students, staff, faculty and patients every clinic day. She has authored more than 50 articles and abstracts. Her current research involves risks of dental therapy in medically complex patients.



The University of Iowa College of Dentistry



[<<< HOME](#)

- [More Dept. of Oral Pathology, Radiology & Medicine Faculty](#)

• **Karen Ann Baker, BS, MS**

• **Associate Professor, Department of Oral Pathology, Radiology and Medicine**

• **Education:**

- BS, Pharmacy, University of Iowa, 1979
- MS, Pharmacy, University of Iowa, 1981

Brief Professional Resume:

Ms. Baker joined the faculty of the College of Dentistry in 1981. She has been director of Dental Pharmacy Services since 1991, is an associate professor in the Department of Oral Pathology, Radiology and Medicine, and is also an associate professor in the UI College of Pharmacy's Division of Pharmacy Practice.

Teaching Activities

: Dental Therapeutics; Advanced Dental Therapeutics; Preventive Dentistry Homecare Therapeutics; Local Anesthesia Pharmacology; Sedation Pharmacology; Pharm.D. Ambulatory Care Dental Clerkship.

Clinical Activities

: Ms. Baker's clinical activities include staff dental pharmacy, 1-2 days per week and dental clinical consultations 3-4 days per week.

Research Activities

: Ms. Baker's research includes the dental management of the medically complex patient and the dental impact of alternative medicine.

RECEIVED

SEP 5 REC'D

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: GV Black Study Club

Address: 1469 29th St. WDSM IA 50266

Phone: 5152236529 Fax: 5152235448 E-mail: rbriant@iowadental.org.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military

Other (please specify): Dental Study Club

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: "Everyday Dentistry - More than Everyday Esthetic results"

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 11/05/2012 Hours of instruction: 6

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Dr. Robert Murgas - See attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Betty Briant

Title: Admin. Assist. Phone Number: 515-223-6529

Fax Number: 515 223 5448 E-mail: rbriant@iowaroral surgery.com

Address: 1469 29th St. WDSM, IA 50266

Signature: Betty Briant Date: 8/24/12

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You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

Dr. Margeas

“Everyday Dentistry- More than Everyday Esthetic results”

This LECTURE is designed for today’s esthetically minded, real world dentist and staff. Dr. Margeas will review dozens of direct and indirect clinical cases, step-by-step that are done in real time on an everyday basis. These include: porcelain veneers from preparation, provisionalization, and cementation: Direct composite resin veneers, class IV restorations, diastema closure, peg laterals, and porcelain repair. Learn how to create perfect ovate pontic sites following extraction. Simplified implant techniques with immediate extraction, placement, and provisionalization using the patient’s natural tooth. Treating the worn dentition will be explained with different treatment options. The techniques learned can be incorporated into your practice immediately for increased profitability.

Learning Objectives:

You will learn how to properly layer and finish composite resins that mimic nature

Provisionalize immediately following implant placement

Porcelain veneers- from preparation to cementation

Learn how to diagnose and treat the worn dentition

Know when to bond restorations vs. cementation

RECEIVED

OCT 6 2012

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Hall-Perrine Cancer Center at Mercy Medical Center
Address: 701 10th St, SE Cedar Rapids, IA 52403
Phone: 319-221-8771 Fax: 319 861 7691 E-mail: cbarkley@mercy care.org

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify):

Cancer Center at hospital

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: 2012 Fall Cancer Care Update for Dental Health Professionals

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: November 2, 2012 and November 7, 2012 - identical programs
Hours of instruction: 2 each date

7. Provide a detailed breakdown of contact hours for the course or program;

Dr Reid will present: Risk factors for Head & Neck Cancers

Dr Sim will present: Oral Health Care Before, During & After Cancer Treatments

8. Provide the name(s) and briefly state the qualifications of the speaker(s): Dr. Vincent

Reid, MD is Medical Director of Surgical Oncology at the Hall-Perrine Cancer Center. Chelsea Sim, BDS, MS is an Oral & Maxillofacial Pathology Resident at the University of Iowa College of Dentistry Department of Oral Pathology, Radiology & Medicine

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Celeste Barkley, RN, OCA

Title: Outreach Coordinator Phone Number: 319 221-8771

Fax Number: 319 861 7691 E-mail: cbarkley@mercyare.org

Address: 701 10th St SE Cedar Rapids, IA 52403

Signature: Celeste Barkley Date: 10-5-12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

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You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**



HALL-PERRINE
CANCER CENTER

701 10th Street SE
Cedar Rapids, IA 52403
www.hallperrinecancercenter.org
(319) 365-HOPE (4673)

RECEIVED

OCT 6 2012

IOWA DENTAL BOARD

October 1, 2012

Iowa Board of Dental Examiners
400 SW 8th Street, Suite D
Des Moines, IA 50309-4687

Dear Sir or Madam:

This is a request of the Iowa Board of Dental Examiners to approve 2 hours of continuing education credits for dentists, dental assistants, and dental hygienists for this upcoming educational program: 2012 Fall Cancer Care Update for Dental Health Professionals. Enclosed is the conference agenda, bio information on Vincent Reid, MD and Chelsia Sim, BDS, MS and the \$10.00 application fee. The program is scheduled for November 2, 2012 and will be repeated on November 7, 2012. These identical programs will both be held at Mercy Medical Center in Cedar Rapids, IA. , and I am asking permission to offer continuing education approval for both dates.

The purpose of this program is to offer dental health professionals the opportunity to learn about current issues involved in the care of patients who have a diagnosis of oral/ head and neck related cancer.

I would appreciate your consideration for approval of this continuing dental education application. If you need additional information or have questions, please call me at (319) 221-8771.

Sincerely,

Celeste Barkley, RN, OCN
Hall Perrine Cancer Center
Outreach Coordinator

2012 Fall Cancer Care Update for Dental Health Professionals
Friday mid-day, November 2, 2012 or Wednesday evening, November 7, 2012
Mercy Medical Center • 701 10th Street SE • Cedar Rapids, IA

11/2/12	<u>Program Agenda</u>	11/7/12
11:30 am	Registration & Refreshments	5:30 pm
12:10 pm	Welcome/Introductions	6:10 pm
12:15 pm	Risk Factors for Head and Neck Cancers <i>Vincent Reid, MD</i>	6:15 pm
1:15 pm	Break/Desserts	7:15 pm
1:30 pm	Oral Health Care Before, During and After Cancer Treatments <i>Chelsia Sim, BDS, MS</i>	7:30 pm
2:30 pm	Evaluation & Adjournment	8:30 pm

Intended Audience

Dentists, dental hygienists, dental assistants and other dental professionals.

Purpose and Objectives

Dental Health Professionals are an integral part of the team involved in the care of cancer patients. The purpose of this program is to offer dental health professionals the opportunity to learn about current issues involved in the care of patients who have a diagnosis of cancer.

Upon completion of this program, participants will be able to:

- Discuss risk factors for head and neck cancers
- Describe current methods to provide oral care before, during and after cancer treatments

Faculty

Vincent Reid, MD

Medical Director of Surgical Oncology
Hall-Perrine Cancer Center
Cedar Rapids, Iowa

Chelsia Sim, BDS, MS

Oral and Maxillofacial Pathology Resident
University of Iowa, College of Dentistry
Department of Oral Pathology, Radiology and Medicine
Iowa City, Iowa

Curriculum Vitae
Chelsia Sim, BDS, MS
Oral Maxillofacial Pathology Resident
University of Iowa
Dept of Oral Maxillofacial Pathology, Radiology and Medicine
(319) 335-7362

CONTACT INFORMATION

801 Newton Road
Dental Science Building, S361
Iowa City, IA 52241

CURRENT TITLE

Oral Maxillofacial Pathology Resident

DEPARTMENT

Department of Oral Pathology, Radiology &
Medicine

EDUCATION

University of Iowa Advanced Graduate Program, Certificate in Oral Maxillofacial Pathology	2010- present
University of California, San Francisco Masters of Science, Oral and Craniofacial Sciences	2007-2010
University of California, San Francisco Advanced Graduate Program, Certificate in Oral Medicine	2007-2009
National University of Singapore, Faculty of Dentistry Bachelor of Dental Surgery	2001-2005
Temasek Junior College, Singapore Cambridge GCE Advance Level Certificate	1999-2001
Anglican High School, Singapore Cambridge GCE Ordinary Level Certificate	1995-1998

CERTIFICATION & LICENSURE

Dental Licensure, Singapore	2005-present
Certification for Standard Proficiency of Laser therapy	2009-present
Certificate for Oral Medicine, University of California, San Francisco	2009
Certificate for Clinical Trial Management, Singapore Health Services	2009
Iowa Dental Licensure (Graduate)	2010-present

EMPLOYMENT/POSITIONS

June 2009 – June 2010	Fellow in Oral Medicine University of California, San Francisco
January 2006-June 2006	Visiting Dental Officer Bright Vision Hospital, Singapore
July 2005- June 2007	Dental Officer, General Dentistry National Dental Center, Singapore

ACHIEVEMENTS/ AWARDS

- 2010 American Academy of Oral Medicine, Lester Burket Clinical Research Award
- 2009 American Academy of Oral Medicine, Case Report Presentation Award
- 2007 Health Manpower Development Plan (HMDP) Award, Ministry of Health, Singapore
- 2004 Chinese Development Council Scholarship Award, Ministry of Education, Singapore

- 2003 Chinese Development Council Scholarship Award, Ministry of Education, Singapore
- 2002 Chinese Development Council Scholarship Award, Ministry of Education, Singapore
- 1997 EDUSAVE Scholarship, Ministry of Education, Singapore
- 1996 EDUSAVE Scholarship, Ministry of Education, Singapore

PROFESSIONAL ACTIVITIES

Memberships in Professional Associations

- 2010 till present American Academy of Oral Maxillofacial Pathology
- 2009 till present American Association of Dental Research
- 2007 till present American Dental Association
- 2007 till present American Academy of Oral Medicine
- 2007 till present Academy of Laser Dentistry
- 2005 till present Singapore Dental Association
- 2005 till present Singapore Dental Health Foundation
- 1994-1998 St John Ambulance Brigade, Republic of Singapore

Committee Membership for professional organization/Societies

- 2009-present Founder/ President, Singapore Student Association at University of California, San Francisco
- 2007-2008 Student representative, Graduate Student Association, University of California, San Francisco
- 2006-2007 Member of the Nasopharyngeal Carcinoma Support Group, National Dental Centre, Singapore
- 2006-2008 Member, Staff Wellness Committee, National Dental Center, Singapore
- 2003-2004 Events Director, Organizing Committee of Asia-Pacific Dental Student Association Meeting 2004, Singapore

TEACHING POSITION

- 2008-2009 Clinical Instructor, Predoctoral Dental Clinic, University of California, San Francisco (part of Oral Medicine training)
- 2006-2007 Lecturer for the Certificate in Dental Assisting (Royal Melbourne Institute of Technology University in Singapore)

LECTURES/ PRESENTATIONS

1. International Association for Dental Research Annual Meeting 2010, “ Salivary Hypofunction in Patients with Chronic Liver Diseases”, July 2010, Barcelona, Spain
2. Department of Oral and Maxillofacial Surgery, General Practice Residency Seminar, “Oral Vesiculo-Bullous Diseases and Its Management”, May 2010, San Francisco, CA
3. American Academy of Oral Medicine, Lester Burket Clinical Research Award Presentation, “ Salivary Hypofunction in Patients with Chronic Hepatitis C infection”, April 2010, Bernalillo, NM
4. Department of Oral Maxillofacial Surgery Grand Rounds, “Management of Oral Ulcerative Diseases”, August 2009, National Dental Center, Singapore
5. American Academy of Oral Medicine Annual Meeting 2009, “ Oral Submucous Fibrosis associated with short term use of Gutka”, April 2009, Miami, FL
6. American Academy of Oral Medicine Annual Meeting 2008, “Plasmablastic Lymphoma in the Oral Cavity in a Post-Transplant Patient”, April 2008, Scottsdale, AZ
7. NDC Oral Maxillofacial Surgery Grand Rounds, “ Vesiculo-bullous Diseases of the Oral Cavity”, March 2007, Singapore

PUBLICATIONS

1. “ Salivary Hypofunction in Patients with Chronic Hepatitis C infection” – Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology; 110; i2: 30

COMMUNITY SERVICES

- 2008 Volunteer in Oral Health Promotion & Oral Disease Prevention
Mission Trip, Lake Atitlan, Guatemala
- 2005 Volunteer in the Colgate- Singapore Dental Association Oral Health

Awareness

- 2006 Volunteer of the Singapore Dental Health Foundation Dental Screening
- 2005 Volunteer in the Dental Public Health Screening, Singapore Health Services
- 2004 Volunteer in the Dental Public Health Screening, National University of Singapore
- 2003 Volunteer in the Dental Public Health Screening, National University of Singapore
- 2002 Volunteer in the Dental Public Health Screening, National University of Singapore
- 2001 Volunteer in the Dental Public Health Screening, National University of Singapore

Vincent J. Reid

1119 Howard Street
Union NJ, 07083
(917) 691-9395
vreid@mercyare.org
vreidmd@gmail.com

PERSONAL DATA

Birthplace- Kingston, Jamaica
Married with 2 children-Tyler (10) and Kyle (8)
Wife: Darline

WORK EXPERIENCE

Director of Surgical Oncology

Mercy Medical Center, Cedar Rapids, IA 52403 July 2012-Present

Attending Surgeon, division of Surgical Oncology February 2008-June 2012

South Nassau Communities Hospital. Oceanside, NY 11572

Surgical Residency Site Program Director

South Nassau Communities Hospital. Oceanside, NY 11572

Clinical Assistant Professor of Surgery

Hofstra North Shore-LIJ School of Medicine, New York. 2010-2012.

EDUCATION

University of Cincinnati College of Medicine- Cincinnati, OH June 1999

M.D. Degree

City College- City University of New York - New York, NY June 1992

B. S. Biochemistry, *cum laude*

POST GRADUATE TRAINING

The Memorial Sloan Kettering Cancer Center July 2005- December 2007

New York, N.Y.

Fellow in Head and Neck oncology

July 2005- December 2007

Maimonides Medical Center
Brooklyn, N.Y.
Surgery Resident

July, 1999 – June 2005

Albert Einstein College of Medicine, Dept. of Surgery July 2001-June 2002
Bronx, N.Y.
Postdoctoral Research Fellow, Primary Investigator: Thanjuvar S. Ravikumar, M.D

CERTIFICATION/LICENSURE

New York State medical license #251098
American Board of Surgery

AWARDS AND AFFILIATIONS

2012 Faculty Teacher of the year (Nassau University Medical Center/ South Nassau Communities Hospital)
2005 Chief Resident of the year (MMC)
2003 Bertram Cohn Memorial Award for outstanding junior resident –MMC
2003 Best PGY-3 award- given by graduating Chief Residents (MMC)
2000 Intern of the year-Maimonides Medical Center (MMC)
1992 Jonas Salk Scholarship –City College of New York (CCNY)
1992 Phi Beta Kappa Award (CCNY)
1992 Chemistry Honors (CCNY)
1992 Jerome & Isabella Karle in Biochemistry (CCNY)
1992 Baskerville Memorial Award in Chemistry (CCNY)
1989-1992 Minority Access to Research Careers (MARC)Fellowship (CCNY)

RESEARCH AREAS

Lysosomal-mediated degradation of apoptotic thymocytes by thymic nurse cells.
Vincent Reid, Mark Pezzano, Jerry Guyden. 1998-1999.

B like T lymphocytes that overexpress the C μ gene from an amplified genome.
City College 1989-1990

SV40 transformed Thymic Nurse Cells that bind and internalize thymocytes at the CD4⁺/CD8⁺ stage of development
City College 1989-1992

Insertion of the Adenosine Deaminase gene in retro-viral vectors
U. C. College of Medicine 1992-1993

Hepatocyte growth factor like protein
U. C. College of Medicine 1993-1994

Characterization of minor MHC antigens
U.C. College of Medicine 1994-1995

Characterization of the immune response after Radiofrequency Ablation in a Mouse Colon Cancer Model

Albert Einstein College of Medicine 2000-2001

Principal Investigator: Thanjavur S. Ravikumar

Cryo-Injury induced Apoptosis via disruption of Mitochondrial integrity in a Human Colorectal Cancer Cell Line

Albert Einstein College of Medicine 2000-2001

Principal investigator: Thanjuvar S. Ravikumar

POSTERS AND PRESENTATIONS

The Characterization of a SV40 Immortalized Thymic Nurse Cell Line. National Institute of Health/Minority Access to Research Careers/Minority Biomedical Research Support Programs Meeting. Nashville, TN. October 1990.

B-like T lymphocytes that Overexpress the C μ gene from an Amplified Genome. Minorities and Cancer Sponsored by National Institute of Health & MD Anderson Cancer Center. Houston, TX. November 1990.

Characterization of a Temperature Sensitive Thymic Nurse Cell Line. National Institute of Health/Minority Access to Research Careers/Minority Biomedical Research Support Programs Meeting. Washington, D.C. October 1991.

Laparoscopic Ventral Hernia Repair-Single institution experience
International conference of the SAARC Surgical Care Society
August 13-17, 2003, Kandy, Sri Lanka

Oncolytic Herpes Simplex Virus-1 (NV1023) Effectively Treats Anaplastic Thyroid Cancer in an Orthotopic Murine Model.
Clinical Forum: American College of Surgeons, Chicago Illinois, 2006

Malignant melanoma of the paranasal sinuses: Two case presentations.
A Gasparyan MD, C Sticco, DO, T Alam DO, V. Reid MD, S Shah MD, R Datta MD
FACS
NUMC and SNCH

The Utility of Random CA19-9 Testing in Cases of Hepatobiliary Malignancies
Cristina Insumran, Ryan Sobel MD, Vincent Reid MD, Rajiv Datta MD.
South Nassau Communities Hospital

Recurrent Superficial Lymphatic Malformations of the Abdominal Wall
Marlys Howarth MS III, Vincent Reid MD, Rajiv Datta MD.
South Nassau Communities Hospital

Desmoid Fibromatosis in Familial Adenomatous Polyposis negative patients :
presentation of two new cases.

D Paley MD, V. Reid MD, D Joseph MD, R Datta MD FACS
South Nassau Communities Hospital

Facial Nerve Management in Parotid Gland Malignancy

Charles Sticco DO, Jason Panchamia MS III, Vincent Reid MD, Rajiv Datta MD
South Nassau Communities Hospital

Radiofrequency Ablation Therapy for GIST Liver Metastases: A Case Study

H.Leighton MSIII, S. Sotirovic MD, S.Wu MD, V.Reid MD, R.Datta MD FACS
South Nassau Communities Hospital

Metastatic adrenocortical carcinoma presenting with spontaneous hemoperitoneum,
massive liver metastases and diffuse subcapsular hematoma: A Case Presentation

J. Moseson DO, D. Tantawi MD, V. Reid MD, R. Datta MD.
South Nassau Communities Hospital

The Clinical Utility of Random CA 19-9 Levels as a Screening Tool for Hepatobiliary
Malignancy: A Retrospective Review of a Comprehensive Community Oncology Center
A Michel, M Chan, C Insumran, M Jung, R Datta, V Reid

Clinically Inactive Giant Parathyroid Adenoma: Literature Review & Report of a Case
M Chan, T Kelker, Y Chen, R Datta, V Reid

Endorectal Gel as a Contrast Enhancing Agent during Rectal MRI for Tumor Staging
M Chan, R Datta, V Reid, A Steiner

Case Report: High Grade Distal Ileal Obstruction Secondary to Ingestion of Foreign
Body

B. Doyle, O. King, R. Datta, V. Reid.

Chronic Pelvic Pain From Ovarian Herniation Into 5 mm Trocar Site

Karen S. Woo DO, Rajiv Datta MD, Orinthia King MS111, Vincent Reid MD, and Ann
Buhl MD.

Malignant Melanoma masquerading as a Subdermal cyst: a case report

Amajoyi, Robert, MD; Vohra, Priya, MS; Reid Vincent, MD; Datta Rajiv, MD.
South Nassau Communities Hospital

PUBLICATIONS

M. Pezzano., D. Philip., S. Stevenson., Y. Li., **V. Reid.**, R. Mailta., and J. Guyden.
Thymic Nurse Cells Exclusively Bind and Internalize CD4⁺and CD8⁺ Thymocytes.
Journal of Cellular Immunology. 140, 495-506 (1992)

Y. Li., M. Pezzano., D. Philip., **V. Reid**, and J. Guyden. Positive Selection by Thymic Nurse Cells Requires IL-1 β and is associated with increased *BCL-2* Expression. Journal of Cellular Immunology. 169, 174-184 (1996)

V. Reid., T. Daskalakis., D.L. Solnick and K.P. Sheka
Management of Bronchovascular Mucormycosis in a Diabetic: A Surgical Success
Annals of Thoracic Surgery. October 2004

L.S. Cummings., **V.J. Reid** and K.P. Sheka
Elastofibroma: A diagnostic dilemma
Surgical Rounds 2004

V. Reid, Z. Yu, T. Schuman, S. Li, P. Singh, Y. Fong and R. Wong. Efficacy of oncolytic Herpes Viral therapy for Salivary Gland Carcinomas. International Journal of Cancer . August, 2007.

C. Riedl, P. Brader, P. Zanzonico, **V. Reid**, Y. Woo, B. Wen, C. Ling, H. Hricak, Y. Fong and J. Humm. Tumor hypoxia imaging in orthotopic liver tumors and peritoneal metastasis : Comparative study featuring dynamic ¹⁸F-MISO and ¹²⁴I-IAAZG PET in same study cohort. European Journal of Nuclear Medicine and Molecular imaging. September, 2007.

B. Schonmyr, A. Wong, **V. Reid**, F. Gewalli, P. Cordeiro, B. Mehrara. The effect of hyperbaric oxygen treatment on squamous cell cancer growth and tumor hypoxia.
Annals of Plastic Surgery. January, 2008

Y. Woo , **V.Reid** , A. Bhargava, P. D. Carlson, Z. Yu, K. Kelly, K. Hendershott, C. Riedl, R. Wong and Y. Fong. Enhanced green fluorescent protein expressing Herpes virus, NV1066 detects premalignant lesions and prevents progression of disease. Cancer Research (Submitted)

V. Reid, C. Reidl, Z. Yu, YY. Huang, D. Carlson, S. Li, M. Dabrowska, V. Ponomarev, Y. Fong, RJ. Wong. Oncolytic Herpes Simplex Virus-1 (NV1023) Inhibits The Growth of Anaplastic Thyroid Cancer in an Orthotopic Murine Model. Clinical Cancer Research (Submitted).

BOOK CHAPTER

Complications of Head and Neck Surgery
Complications of Surgery of the Oral Cavity:
Jay Boyle, MD, Vincent Reid, MD

APPOINTMENTS

1994

Summer Research Programs for Minority Students—Coordinator

- U. C. College of Medicine
- 1993-1994 Biochemistry Tutor
U. C. College of Medicine
- 1992-1993 Biology Tutor
City College
- 1992-1993 Physics Tutor
City College
- 1991-1992 Caribbean Students Association- Political Affairs Officer
- 1990-1991 National Student Representative to the Steering Committee of the
Minority Access to Research Careers (MARC) Program

PROFESSIONAL ORGANIZATIONS

American College of Surgeons(ACS)
New York Head and Neck Society
New York Surgical Society
Society of American Gastrointestinal Endoscopic Surgeons (SAGES)
Society of Surgical Oncology (SSO)
Society of Black Academic Surgeons (SBAS)

Institute for Natural Resources

P.O. Box 5757 ♦ Concord, CA 94524-0757 ♦ (925) 609-2820 ♦ FAX (925) 363-7798

RECEIVED

AUG 6 2012

IOWA DENTAL BOARD

July 18, 2012

Iowa Board of Dental Examiners
Advisory Committee on Continuing Education
400 SW 8th Street, Suite D
Des Moines, IA 50309-4687

Dear Board Representative:

Under its current organizational approval with the Iowa Board of Dental Examiners, the Institute for Natural Resources would like to submit an application for **prior approval** of its continuing education course entitled, "Appetite & Food Cravings." This course is designed to meet the needs of licensed dentists seeking continuing education credit.

In addition to the completed application, please find appendices A through D enclosed. These materials include:

- ✓ Dates, Times, & Locations—**Appendix A**
- ✓ Time Agenda/Course Outline—**Appendix B**
- ✓ Instructor's Resume—**Appendix C**
- ✓ Course Description & Brochure—**Appendix D**

The Institute is a non-profit, scientific, and educational organization founded and maintained by professional scientists and educators. The Institute is free of any ties to commercial, political, or religious organizations. The purpose of the Institute is to provide high-quality, professional continuing education programs that enable healthcare professionals to provide quality services. The education courses offer up-to-date, in-depth information about the latest scientific and clinical research.

Please contact me at 925-609-2820 ext. 253, or my colleague April Kelly at (925) 609-2820 ext. 236, if you have any questions or require further information.

Sincerely,



Kayle Finley,
Accreditation Department

Enclosures

RECEIVED

AUG 6 2012

IOWA DENTAL BOARD

**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 *per course* is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Institute for Natural Resources
Address: P.O. Box 5757, Concord, California 94524-0757
Phone: 925-609-2820, ext 253 Fax: 925-363-7798 E-mail: kfinley@biocorp.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify): CE Sponsor

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

4. Course Title: Appetite & Food Cravings

5. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

6. Course date: Please see Appendix A. Thank You Hours of instruction: Six (6) hours of instruction.

7. Provide a detailed breakdown of contact hours for the course or program:
Please see Appendix B for detailed breakdown of contact hours for this course. Thank You.

8. Provide the name(s) and briefly state the qualifications of the speaker(s): _____
Please see Appendix C for the names and qualifications of course instructors. Thank You.

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Kayle Finley, Accreditation Department
Title: Chief Accreditation Assistant Phone Number: (925) 609-2820, extension 253
Fax Number: (925) 363-7798 E-mail: kfinley@biocorp.com
Address: P.O. Box 5757, Concord, California, 94524-0757
Signature: *Kayle Finley* Date: July 18, 2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

INSTITUTE FOR NATURAL RESOURCES
COURSE: "APPETITE & FOOD CRAVINGS"

Appendix A
Dates, Times, & Locations

Kearney, Nebraska

Thursday, November 29, 2012
8:30am to 3:30pm

Instructor: Dr. Laura Pawlak, Ph.D.

Omaha, Nebraska

Friday, November 30, 2012
8:30am to 3:30pm

Instructor: Dr. Laura Pawlak, Ph.D.

Des Moines, Iowa

Wednesday, December 5, 2012
8:30am to 3:30pm

Instructor: Dr. Laura Pawlak, Ph.D.

Cedar Rapids, Iowa

Thursday, December 6, 2012
8:30am to 3:30pm

Instructor: Dr. Laura Pawlak, Ph.D.

Davenport, Iowa

Friday, December 7, 2012
8:30am to 3:30pm

Instructor: Dr. Laura Pawlak, Ph.D.

INSTITUTE FOR NATURAL RESOURCES
COURSE: "APPETITE & FOOD CRAVINGS"

Appendix B
Time Agenda

7:45 AM – 8:30 AM	Registration
8:30 AM – 9:30 AM	Appetite, Cravings, and Neurotransmitters: Serotonin and Impulsive Eating. When Appetite Goes Awry. High-Carbohydrate Diets and Depression. Antidepressants and Weight-Loss Medications. No Long-Term Effectiveness. Dopamine and the Reward from Eating. Serotonin, Mood, and Appetite.
9:30 AM – 10:30 AM	Starvation Diets and Caloric Restriction. The Glycemic Index. Chronic Pain and Overeating. What Can Help? The Inner Junkie. Gut-Produced Cannabinoids. Opioids: Sugar, Mood Swings, and Euphoria. Hungry or Lonely. Norepinephrine: The Social Neurotransmitter and Overeating.
10:30 AM – 11:30 AM	Stimulants for Obesity: Why Does Weight Recur after Treatment? The Brain-Food-Mood Connection: Stress Hormones and Cortisol. Anxiety-Based Eating: Effects on Sleep and Mood. Sedative Medications. Appetite Suppression and the Brain. High-Fat and High-Carbohydrate Diets. The Role of Exercise. A Symphony of Neurochemicals: Brain Chemistry's Connection to Mood, Mind, and Appetite.
11:30 AM – 12:30 PM	Lunch
12:30 PM – 1:30 PM	Good Fats; Good Carbohydrates: Five Rules in Choosing Foods. Endorphins: Maximizing Pleasure and Minimizing Pain. Why Eating Chocolate Makes a Person Happy. Norepinephrine: Boosting Energy and Optimizing Brain Function through Foods. Stress and Appetite: The Hungry vs. the Satiated Patient.
1:30 PM – 2:30 PM	Weight-Loss Medications: Orlistat (Xenical); Phentermine (Adipex); Fluoxetine (Prozac); Bupropion (Wellbutrin); Sertraline (Zoloft); Topiramate (Topamax); Zonisamide (Zonegran). Oral Pathological Changes in Patients Attributed to Altered Moods and Stress. Periodontal Disease and Dental Caries: Frequent Snacking or Poor Food Choices. Combating Both for Optimal Oral Health. Insomnia and Shift Work: What Is More Appetite-Inducing? The 12 Pounds of Christmas: Winter Weight Gain and Light Therapy.
2:30 PM – 3:30 PM	Alzheimer's Disease and Diet. Using Diet to Prevent Cognitive Impairment. Mediterranean and Japanese Diets. Type 2 Diabetes and Pre-Diabetes. Hypoglycemia, Hyperglycemia, and the Effects on Mood, Motivation, and Memory. Attention Deficit Disorder (ADD): Omega-3 Fatty Acids and Trace Minerals. Counseling and Lifestyle: Why Will Power Is Not Enough.
3:30 PM	Questions and Answers

INSTITUTE FOR NATURAL RESOURCES
COURSE: "APPETITE & FOOD CRAVINGS"

Appendix C
Instructor Resume

Dr. Laura Pawlak, Ph.D.

Please see the attached resume. Thank You.

LAURA LOUISE PAWLAK, R.D., M.S., Ph. D.
HC1 Box 8 Elgin AZ 85611
PHONE: 520.455.5760
FAX: 520.455.5117
CELL: 520.483.1337

BIRTH DATE: 11-18-43

EDUCATION:

Mundelein College, Chicago, Illinois, B.S., 1965
University of Illinois, Urbana, Illinois, M.S. Nutrition, 1966
Hines V. A. Hospital, Maywood, Illinois, Dietetic Internship, 1967
University of Illinois, Medical Center, Chicago, Illinois, 1973
Ph.D., Biochemistry, specialty Immunology, Genetics, Neurochemistry
University of California, San Francisco Medical Center,
Postdoctorate, 1976, Immunology
Teaching Credentials, California, College level, 1981
Certification - Aerobic Instructor, CPR Trained, AFAA Assoc., 1984
Certification - Fitness Instructor, A.C.S. M., 1985.
Certification - Health Rhythm Drummng Facilitator, 2006
(proven stress management protocol to elevate NK cells)

PROFESSIONAL ASSOCIATIONS:

American Dietetic Association
Aerobics and Fitness Association of America
Am. Dietetic Association Practice Group
Sports & Cardiovascular Nutritionists
American College of Sports Medicine

HONORS:

Honor Society, Mundelein College, Chicago, Illinois, 1961 through 1965
Magna Cum Laude Graduate, Mundelein College, Chicago, Illinois, 1965
Full Fellowship, University of Illinois, Urbana, Illinois, 1965-66
Full Fellowship, University of Illinois, Chicago, Illinois, 1969-73
Postdoctoral Fellowship, U. California, San Francisco, 1973-76
Award, Best Performance, Dietetic Internship, Hines VA Hospital, 1967
Award, Best Graduate Lecturer, University of Illinois, Chicago, 1973.

CURRENT POSITION: INTERNATIONAL SPEAKER, 80 seminars/ year
Institute for Natural Resources/Biomed Corporations, Berkeley, CA
1991 to present

6 hour continuing education seminars for health professionals

The Aging Brain
Mood, Mind, and Appetite
Hormones, Diet and Behavior
Diseases of Aging
The Genetics Revolution
The Power of Estrogen
Women's Health: PMS, Menopause & Beyond
Women's Health: Obesity, menopause, fatigue
Skin Health
Beyond Cholesterol
Beyond Overeating
Beyond Prozac
Beyond Ritalin
Beyond Estrogen
The Craving Brain
Sexuality and Health
Allergies, Asthma, and Hives
Alternative Medicine
Herbs, Nutraceuticals, and Vitamins
Hormone Replacement Therapy
Bipolar Disorder and Depression
Brain Circuits
Cerebral Dominance
The Female Brain
Fighting Fat After Thirty
Obesity and Diabetes
Weight Matters
Sleep, Anxiety and Drugs
Hyperactivity, Dyslexia, and Autism
Cerebral Mysteries
The Low Carb Frenzy
Inflammation and the Fat Cell
Stress, Depression, and Pain
Depression and Bipolar disorder
Brain Injury
Dementia, Parkinson's and Alzheimer's Diseases
Memory, Aging, and Sleep
Stress, Emotions, and Disease
Aging Body, Aging Mind

TELEVISION INTERVIEW:

KVCR Cable TV, Public Broadcasting in Southern California,
LIFE WITHOUT DIETS, February 15, 1991

PAST CORPORATE EXPERIENCE:

SENIOR VICE-PRESIDENT, Technology & Product Development,
HEALTHVU, La Jolla, California, 1992

NATIONAL LECTURES, NUTRITION & FITNESS

THE R.D.: LEADER OF THE FITNESS BOOM,
lecture tour 1986 to 1990

A product of LAURA PAWLAK SEMINARS,
Laura Pawlak, owner and speaker.
Presented in 40 major cities within the U.S. each year.

INTERFACING WITH THE PUBLIC...SUCCESSFULLY
lecture tour 1990

A product of LAURA PAWLAK SEMINARS,
Laura Pawlak, owner and speaker.
Presented in 40 major cities within the U.S. in 1990.
Promoted by Rockport Shoes and Healthy Choice Frozen Meals

SPORTS NUTRITION SEMINAR

Seminar for Dietetic interns in Chicago Area, presented annually
Hines VA Hospital, Maywood, Illinois 1988-1994

CONFERENCE FOR WOMEN

El Camino Hospital, Mountain View, California,
May 30, 1992

ALL ABOUT FAT

A lecture for the public, Mercer Medical Center, Trenton, New
Jersey, April 7, 1992

CHILDREN AND HEART DISEASE

A lecture for the public, Mercer Medical Center, Trenton, New
Jersey, May 9, 1992

LIGHTEN THE LOAD ON YOUR HEART

A lecture for the public, Eden Hospital Medical Center, Castro
Valley, California, February 29, 1992

CHALLENGES AND CHOICES...WOMEN IN MIDLIFE

A lecture for the public, Eden Hospital Medical Center, Castro Valley, California, June 1, 1991

DO YOU FILL A NEED OR CREATE ONE?

New York Dietetic Association
Keynote Speaker, Albany, New York, May 5, 1991

SPORTS NUTRITION

Arkansas Dietetic Association
Little Rock, Arkansas, March 10, 1991

NUTRITION FOR THE ACTIVE PERSON

Monterey Dietetic Association
Monterey, California, March 2, 1991

WEIGHT MANAGEMENT: EXERCISE\METABOLIC FACTORS

Greater Cincinnati Dietetic Association, Cincinnati, Ohio,
November 3, 1990

NUTRIENT UTILIZATION: BENEFIT OF EXERCISE

University of Cincinnati Medical Center, Cincinnati, Ohio,
August 30, 1990

STOP FEEDING YOUR FAT CELLS.

Caldwell Bankers' Spouse Program, Stouffer Resort, Indian Wells, California, January 17, 1990

MUSCLES IN MOTION & EXERCISE PRESCRIPTION

Washington State Dietetic Association, Seattle, Washington, May 22, 1990

Missouri State Dietetic Association, St. Louis, Missouri, April 23, 1990

Michigan State Dietetic Association, Lansing, Michigan, April 20, 1990

Oklahoma State Dietetic Association, Oklahoma City, Oklahoma, April 19, 1990

New Jersey Dietetic Association, Newark, New Jersey, September 22, 1989

LIFE WITHOUT DIETS in Hawaii

Wailuku Community Center, lecture for public, Oahu, Hawaii, May 20, 1989

Maui Memorial Hospital, lecture for professionals, May 19, 1989

FITNESS IN TODAY'S LIFESTYLE

Maui Fitness Day, Keynote Speech, Maui, Hawaii May 20, 1989

LIFE WITHOUT DIETS

New Mexico Dietetic Association
Las Cruces, New Mexico, June 14, 1989

LIFE WITHOUT DIETS

California Dietetic Association Meeting,
May 14, 1989, San Jose, California

MARKETING FAT LOSS AND FITNESS

Continuing Education Seminar for Registered Dietitians and
Physicians,
Annual Winter Meeting, Park City, Utah, March 11, 1989

EXERCISE FOR FAT LOSS AND FITNESS

New York Dietetic Association, Albany, New York,
March 10, 1989

IS THERE "LIFE WITHOUT DIETS"?

Maine Nutrition Association, Portland, Maine,
March 9, 1989

THE R.D.: LEADER IN THE WELLNESS ERA

Oregon Dietetic Association, Portland, Oregon, February 1, 1989
Continuing Education Seminar for Registered Dietitians

LIFE WITHOUT DIETS

Fresno Dietetic Association, Fresno, California, February 9, 1989
Continuing Education Seminar for Registered Dietitians

SUPERMARKET SMART

Palm Valley Health Spa, Palm Desert, California, January 7, 1989
Seminar for public

THE WELLNESS-FITNESS PRESCRIPTION

Continuing Education Seminar for all health professionals,
sponsored by Ross Laboratories and Mead Johnson, Nashville,
Tennessee, December 1 & 2, 1988.

LIFE WITHOUT DIETS

Kansas Dietetic Association, Wichita, Kansas, November 3, 1988
Continuing Education Seminar For Registered Dietitians

PACKAGING YOURSELF FOR SUCCESS

Women in business, Nashville, Tennessee, September 23, 1988

THE DIABETIC AND EXERCISE

Continuing Education Program for Physicians and Dietitians
Nashville, Tennessee, September 22, 1988

LIFE WITHOUT DIETS

Continuing Education Program for Registered Dietitians
sponsored by AHEC & Veteran's Administration Hospital, Boise,
Idaho, September 20, 1988

LIFE WITHOUT DIETS

Continuing Education Program for Registered Dietitians
sponsored by AHEC, Lewiston, Idaho, September 19, 1988

SELLING THE PUBLIC THE PRODUCT...YOU

Arizona Dietetic Association, Phoenix, Arizona, June 3, 1988
Seminar for Registered Dietitians

LIFE WITHOUT DIETS

Arizona Dietetic Association, Phoenix, Arizona, June 3, 1988
Continuing Education Seminar for Registered Dietitians

LIFE WITHOUT DIETS

Long Beach Chapter American Heart Association, Long Beach,
California, November 4, 1987
Continuing Education Program for Registered Dietitians

LIFE WITHOUT DIETS

Program for Physicians
Pasadena, California, October 28, 1987
Culver City, California, November 7, 1987
Torrance, California, November 20, 1987

THE REGISTERED NURSE: FACING THE WELLNESS ERA

San Bernardino, California, November 16 and November 18,
1987
Continuing Education Program for Registered Nurses

LIGHTEN YOUR LOAD - CORPORATE PROGRAM

E. F. Hutton Corporation
Palm Springs, California, February 12, 1987.

THE UNTAPPED OPPORTUNITIES IN FITNESS EVALUATION
AND NUTRITIONAL ANALYSIS

International Racquet and Sports Association, Los Angeles,
California, September 22, 1986
lecture for owners/managers of Health Spas

MEETING THE CHALLENGE OF THE WELLNESS ERA

San Gabriel Chapter of the California Dietetic Association
Pasadena, California, September 10, 1986
Continuing education for Registered Dietitians

THE R.D. LEADS THE FITNESS BOOM

Stanford University, Annual Clinical Dietetics Meeting
Palo Alto, California, September 1986
lecture for Registered Dietitians

PREVENTIVE HEALTH - NUTRITION AND EXERCISE

Presented through Medical Seminars, Sacramento, California
Continuing education for Physicians, Registered Nurses,
Pharmacists, Dentists
Cancun, Mexico, March 10-17, 1986, January 15-22, 1987,
June 5-12, 1987
Palm Springs, California, February 2-3, 1987

LIGHTEN YOUR LOAD

Palm Valley Health Spa, Palm Desert, California
A heart disease prevention program for the general public
February 4, 1986, November 20, 1986, March 1, 1987,
January 26, 1988

YOU AND YOUR DIET, WHY WEIGHT? EAT LOTS, WEIGH LESS!
THE PREVENTABLE BONE ROBBERY. THE VITAMIN CONTROVERSY
LIFE WITHOUT DIETS

Palm Valley Health Spa, Palm Desert, California
lectures for the public, 1985/86/87

REFUTING THE SETPOINT THEORY FOR PERMANENT
WEIGHT CONTROL

Medical Education Program Planners, Millbrae, California
Continuing education for Registered Nurses:
Sunnyvale, California, February, 1985, January, 1986,
April, 1986
Sacramento, California, November, 1985
Minneapolis, Minnesota, April, 1985, November, 1986

OSTEOPOROSIS: THE ROLE OF DIET AND EXERCISE

Medical Ed Program Planners, Millbrae, California
Continuing education for Registered Nurses
Palo Alto, California, August, 1984
Minneapolis, Minnesota, Oct. 1984
Minneapolis, Minnesota, May, 1985
Sunnyvale, California, June, 1984
Minneapolis, Minnesota, May, 1986
Minneapolis, Minnesota, November, 1986
Minneapolis, Minnesota, May, 1986
Minneapolis, Minnesota, April, 1987

UNDERSTANDING EXERCISE

Medical Ed Program Planners, Millbrae, California
Continuing education for Registered Nurses
Minneapolis, Minnesota, April, 1987

TODAY HYPOGLYCEMIA, TOMORROW DIABETES?

Medical Ed Program Planners, Millbrae, California
Continuing education for Registered Nurses
Sunnyvale, Ca., Nov. 1985
Minneapolis, Minnesota, May, 1986
Sacramento, Ca., Jan. 1986
Oakland, California, April, 1986

DIABETES, CONTROL BY DIET AND EXERCISE

Medical Educational Program Planners, Millbrae, California
Continuing education for Registered Nurses
Sunnyvale, California, November, 1984

TOOLS OF PREVENTIVE HEALTH:

NUTRITION AND EXERCISE

Medical Educational Program Planners, Millbrae, California,
Continuing education for Registered Nurses
Santa Rosa, California, February, 1984

SPORTS NUTRITION AND WEIGHT CONTROL

Aerobic and Fitness Association of America
Certification lecture for Aerobic Instructor
Anaheim, California, March, 1985
Palm Springs, California, July, 1985
Los Angeles, California, July, 1985 and January, 1996

OSTEOPOROSIS: INEVITABLE OR PREVENTABLE?

Aerobic and Fitness Association of America, Anaheim, California,
April, 1985 Annual Meeting Seminar Series

FOR TENNIS NUTS ONLY: AEROBICS

Sponsored by Aerobic and Fitness Association of America,
Anaheim, California, April, 1985 Annual Meeting Seminar Series

EXERCISING IN HOT WEATHER:
NUTRITIONAL CONSIDERATIONS

Palm Valley Health Spa, Palm Desert, California,
one hour lecture for the general public June, 1984

THE MARRIAGE THAT LASTS: FOOD AND FITNESS

The Tennis Club, Palm Springs, California, February, 12, 1984

FITNESS, NOT APPLES FOR HEALTH

Lakeside Hospital, Lakeport, California, January, 1984
Continuing education for Registered Nurses

GET FIT, LOSE WEIGHT

Common Health Care Heart Risk Study,
Lakeport, California, February, 1984
lecture series for the general public

POSITIONS HELD: NUTRITION AND FITNESS

CONSULTANT DIETITIAN, PRIVATE PRACTICE

Part time private consultation, 1978-1994
Areas of consultation: exercise prescription for the active
person, sports nutrition, weight management

BOARD OF ADVISORS AND CONSULTANT DIETITIAN

Palm Valley Health Spa, Palm Desert, California, 1978 - 1994

VIDEO - EFFECTIVE WEIGHT LOSS

Palm Valley Health Spa Educational program
for employees at Palm Desert, California, June, 1986

AEROBIC INSTRUCTOR

Woodhaven Country Club,
January, 1985, through June, 1985

VOCATIONAL EXPERIENCE: TEACHING

Nutrition Instructor, Mendocino College, Lakeport, California, 1981

Assistant Instructor, University of Illinois, Medical Center,
Chicago, Illinois, Biochemistry, 1972-73

Nutrition Instructor, Wesley Memorial Hospital, Chicago, Illinois,
Nursing School, 1968, 1969

VOCATIONAL EXPERIENCES: CONSULTANT DIETITIAN

Sebastopol Convalescent Hospital, Sebastopol, California, 1984

Gravenstein Convalescent Hospital, Sebastopol, California, 1984

Fircrest Convalescent Hospital, Sebastopol, California, 1984

Ukiah Convalescent Hospital, Ukiah, California, 1984

Healdsburg Convalescent Hospital, Healdsburg, California, 1984

Santa Rosa Convalescent Hospital, Santa Rosa, California, 1984

Valley View Convalescent Hospital, Ukiah, California, 1984

Creekside Convalescent Hospital, Santa Rosa, California, 1984

Crestview Convalescent Hospital, Petaluma, California, 1984

Lakeport Convalescent Hospital, Lakeport, California, 1984

Public Health, Lake County, Lakeport, California, 1983-84

Multipurpose Senior Service Project, Ukiah, California, 1982-84

Northcoast Area Health Education Center, Ukiah, California, 1982

Obesity Clinic, Lakeside Hospital, Lakeport, California, 1981

Hacienda Convalescent Hospitals, Los Angeles, California, 1977-1984

Private Practice with Dr. Kurz, MD., Lakeport, California, 1980-81

Fair Oaks Nursing Homes, Chicago, Illinois, 1978-81

Kentfield Medical Hospital, Kentfield, California, 1977

Hines V.A. Hospital, Maywood, Il., Rehabilitation Center, Maywood,
Illinois 1968

PUBLICATIONS

Pawlak, L.L.

BEYOND STRESS (working title)

(book, @ 400 pages)

in progress, completion 2007

Study of hormones from fetal life through retirement and the
effects of cortisol on all hormone cycles

- Pawlak, L.L.
STOP GAINING WEIGHT, 2001, 2nd Edition, 2005
(book, 400 pages)
Natural remedies against stressors, rage, depression, addictions,
and food cravings
- Pawlak, L.L.
FOOD SMART, 2000
(book, 200 pages)
A food encyclopedia
- Pawlak, L.L.
A PERFECT 10, 1997
(book, 350 pages)
Understanding phytochemistry against common cancers and
aging diseases
- Pawlak, L.L.
ESTROGEN DILEMMAS, 1996
(book, 212 pages)
Making decisions about estrogen throughout a woman's life
- Pawlak, L.L.
ANTIOXIDANTS, 1995
(2 audiotapes and book, 32 pages),
How antioxidants work, how to set up a nutrient-protective
program
- Pawlak, L.L.
APPETITE: THE BRAIN-BODY CONNECTION, 1994
(book, 208 pages)
Managing appetite and mood for better health
- Pawlak, L.L.
TOMORROW'S WOMAN: ESTROGEN AND HEALTH, 1992
(book, 208 pages)
A unique look at estrogen's power over a woman's life and
health.
- Pawlak, L.L.
FROM THE INSIDE OUT: A UNIQUE LOOK AT THE NUTRITIONAL
NEEDS OF ACTIVE PERSONS, 1989
A Home Study Course for Registered Dietitians

Pawlak, L.L.

LIFE WITHOUT DIETS, 1989

(book, 200 pages)

A beginner's nutrition and exercise book for the public

Pawlak, L.L. and Neid, D.

LIFE WITHOUT DIETS WEIGHT MANAGEMENT PROGRAM

A 2-6 month weight management program for the public presented by hospitals, physicians' offices, dietitians, health clubs, sports medicine centers, and chiropractors throughout the nation.

Pawlak, L.L.

LIGHTEN YOUR LOAD, 1990

(Booklet, 60 pages)

Pawlak, L.L.

LIFE WITHOUT DIETS, PROFESSIONAL GUIDE, 1987

(Workbook for Dietitians, 62 pages)

Pawlak, L.L.

LIFE WITHOUT DIETS, CLIENT PAMPHLET, 1987

(Booklet for the public, 12 pages)

Pawlak, L.L.

OBESITY, 1986

Home Study Course for Registered Nurses

Pawlak, L.L.

OSTEOPOROSIS, 1986

Home Study Course for Registered Nurses

Pawlak, L.L.

GENERAL NUTRITION

Chapter in "Aerobics: Theory and Practice", 1985

Published by Aerobics and Fitness Association of America, Sherman Oaks, California

Pawlak, L.L.

NUTRITION FOR ENDURANCE

Chapter in "Aerobics: Theory and Practice", 1985

Published by Aerobics and Fitness Association of America, Sherman Oaks, California

- Pawlak, L.L.
OSTEOPOROSIS, INEVITABLE OR PREVENTIBLE? 1985
Journal of Aerobic and Fitness Association of America
- Pawlak, L.L.
SPORTS NUTRITION FOR THE YOUNG ATHLETE, 1984
Lake County Public Health Publication for Health Professionals
- Pawlak, L.L., D. A. Hart, and A. Nisonoff.
REQUIREMENTS OF PROLONGED SUPPRESSION OF AN
IDIOTYPIC SPECIFICITY IN ADULT MICE.
J. Exp. Med. 137:1442, 1973
- Pawlak, L.L., E. Mushinski, A. Nisonoff and M. Potter
EVIDENCE FOR THE LINKAGE OF THE IgG LOCUS TO A GENE
CONTROLLING THE IDIOTYPIC SPECIFICITY OF ANTI-P-
AZOPHENYLARSONATE ANTIBODIES IN STRAIN A MICE.
J. Exp. Med. 137:22, 1973
- Stites, D., and L.L. Pawlak
ONTOGENY OF BETA-2-MICROGLOBULIN SYNTHESIS IN THE
HUMAN FETUS.
Develop. Comp. Immunol. 2:185, 1978
- Pawlak, L.L.
IDIOTYPIC SPECIFICITIES AS A GENETIC MARKER FOR THE
V-REGIONS OF IMMUNOGLOBULINS POLYPEPTIDE CHAINS.
Ph.D. Thesis, 1973
- Pawlak, L. L., and A. Nisonoff
DISTRIBUTION OF A CROSS-REACTIVE IDIOTYPIC SPECIFICITY
IN INBRED STRAINS OF MICE.
J. Exp. Med. 137:855, 1973
- Pawlak, L.L., A. L. Wang, and A. Nisonoff.
CONCENTRATION OF CROSS REACTIVE IDIOTYPIC
SPECIFICITIES IN UNRELATED MOUSE IMMUNOGLOBULINS.
J. Immunol. 110:579, 1973
- Pawlak, L.L., D. A. Hart, A. Nisonoff, E. Mushinski, and M. Potter.
IDIOTYPIC SPECIFICITY AND THE BIOSYNTHESIS OF ANTIBODY
Third International Convocation of Immunology, January, 1973

Pawlak, L.L., D. A. Hart and A. Nisonoff.

SUPPRESSION OF IMMUNOLOGICAL MEMORY FOR A CROSS-
REACTIVE IDIOTYPE IN ADULT MICE.

Eur. J. Immunol. 4:10, 1974

Hart, D. A., A. L. Wang, L.L. Pawlak, and A. Nisonoff.

SUPPRESSION OF IDIOTYPIC SPECIFICITIES IN ADULT MICE BY
ADMINISTRATION OF ANTI-IDIOTYPIC ANTIBODY.

J. Exp. Med., 135:1293, 1972

Hart, D.A., L.L. Pawlak, and A. Nisonoff.

NATURE OF ANTIHAPTEN ANTIBODIES ARISING AFTER IMMUNE
SUPPRESSION OF A SET OF CROSS-REACTING IDIOTYPIC
SPECIFICITIES.

Eur. J. Immunol., 3:44, 1972

ABSTRACTS:

Pawlak, L.L. and A. Nisonoff.

PRODUCTION OF A CROSS-REACTIVE IDIOTYPE IN INBRED
MICE.

Fed. Proc. 32:4334, 1973

Hart, D.A., Pawlak, L.L., and A. Nisonoff.

PROLONGED SUPPRESSION OF IDIOTYPE IN A/J MICE.

Fed. Proc. 32:1570, 1973.

EDITOR:

THE ANTIOXIDANT COOKBOOK, 1996

Freedman, et. al.

Biomed General, Berkeley, CA

INSTITUTE FOR NATURAL RESOURCES
COURSE: "APPETITE & FOOD CRAVINGS"

Appendix D
Course Description & Brochure
(Please see attached brochure)

Appetite and cravings for specific foods (chocolate is a common food craving) are complex biological and psychological processes that are determined by multiple factors. These factors include neurotransmitters: chemical messengers that are transmitted from one neuron to another. There are more than thirty different neurotransmitters in the brain, and different neurons utilize different neurotransmitters, sometimes singly and other times in combinations of two or more. The result is a complex set of processes that is still not well understood. The effects of certain neurotransmitters on appetite, food cravings, mood, eating, and weight, however, are better understood than others.

One of the most important neurotransmitters influencing appetite, cravings, and eating is the neurotransmitter serotonin. Serotonin turns on and off cravings for sweet and high-carbohydrate foods, helps to regulate mood, controls pain tolerance, affects thinking and memory, and influences the quality of our sleep. When serotonin levels are elevated, cravings subside, we feel more relaxed and happier and our sleep improves. Conversely, when serotonin levels are low, mood is negatively impacted as well as the ability to think clearly. We are more likely to binge on high-carbohydrate foods and sleep poorly. Our food choices strongly influence our body's ability to produce serotonin. It is manufactured in the brain from an amino acid called tryptophan, which is found in protein-rich foods. But only by eating carbohydrates can we elevate our brain serotonin levels, improve our mood, and reduce our cravings. Low-carbohydrate diets prevent the brain from making adequate amounts of serotonin, leaving the dieter feeling fatigued, stressed, and in a generally bad mood. Choosing the right carbohydrates in the right amounts helps raise serotonin levels and improve mood, making it easier for an individual to stick with a diet and avoid impulsive eating. Serotonin has been called "nature's own appetite suppressant".

Dopamine is another important neurotransmitter that powerfully influences what we eat. It affects the amount of pleasure we receive from food. Obese individuals have fewer pleasure receptors and overeat to compensate, which has the effect of further weakening the responsiveness of the pleasure receptors and further diminishing the pleasure gained from overeating. Research shows that obese individuals have fewer dopamine receptors in the brain compared to lean individuals and suggests that obese individuals overeat to compensate for this reward deficit. People with fewer dopamine receptors need to take in more of a rewarding substance, such as food or drugs, to achieve an effect that other people are able to attain with less.

This seminar will examine several other determinants of appetite and food cravings. Opioids and cannabinoids produced in the gastrointestinal tract are examined. Different types of medications and their effect on weight are explored, such as the use of antidepressants, anticonvulsants, and medications that are

FDA approved for weight loss. The effects of stimulants on appetite and weight are reviewed. The effects of high-fat and high-carbohydrate diets on appetite suppression and the brain are explored, as well as the role of exercise in affecting appetite. The relationship between stress and appetite is reviewed. Effects of insomnia and other sleep difficulties along with the effects of shift work on appetite and weight are examined.

The effects of diet on various medical conditions are reviewed. Diet and the risk of developing Alzheimer's Disease is explored, as well as the role of omega-3 fatty acids and trace minerals in the development of attention deficit disorder (ADD).

Guidelines are provided for making healthy food choices that will moderate appetite and food cravings. Ten rules for making healthy food selections are suggested. The special situation of winter weight gain and light therapy is reviewed.

Healthcare professionals who complete this seminar will benefit from an enhanced appreciation of the complex factors influencing appetite, food cravings, and weight. They will have improved methods of assessing the role of their patient's and client's diet in affecting their moods and their eating behavior. They will have guidelines they can use in advising their patients and clients in how to eat for optimum health and for control of appetite, cravings, and weight.

APPETITE & FOOD CRAVINGS

Instructor: Laura Pawlak, Ph.D., M.S.

Seminar registration is from 7:45 AM to 8:15 AM. The seminar will begin at 8:30 AM. A lunch break (on your own) will take place from approximately 11:30 AM to 12:20 PM. The course will adjourn at 3:30 PM, at which time course completion certificates are distributed.

PROGRAM / LECTURE

- **Appetite, Cravings, and Neurotransmitters:** Serotonin and Impulsive Eating.
- **When Appetite Goes Awry:** High-Carbohydrate Diets and Depression.
- **Antidepressants and Weight-Loss Medications:** No Long-Term Effectiveness.
- **Dopamine and the Reward from Eating:** Serotonin, Mood, and Appetite.
- **Starvation Diets and Caloric Restriction:** The Glycemic Index.
- **Chronic Pain and Overeating:** What Can Help?
- **The Inner Junkie:** Gut-Produced Cannabinoids.
- **Opioids:** Sugar; Mood Swings; and Euphoria.
- **Hungry or Lonely:** Norepinephrine: The Social Neurotransmitter and Overeating.
- **Stimulants for Obesity:** Why Does Weight Recur after Treatment?
- **The Brain-Food-Mood Connection:** Stress Hormones and Cortisol.
- **Anxiety-Based Eating:** Effects on Sleep and Mood. Sedative Medications.
- **Appetite Suppression and the Brain:** High-Fat and High-Carbohydrate Diets. The Role of Exercise.
- **A Symphony of Neurochemicals:** Brain Chemistry's Connection to Mood, Mind, and Appetite.
- **Good Fats; Good Carbohydrates:** Five Rules in Choosing Foods.
- **Endorphins:** Maximizing Pleasure and Minimizing Pain. Why Eating Chocolate Makes a Person Happy.
- **Norepinephrine:** Boosting Energy and Optimizing Brain Function through Foods.
- **Stress and Appetite:** The Hungry v.s. the Satiated Patient.
- **Weight-Loss Medications:** Orlistat (Xenical); Phentermine (Adipex); Fluoxetine (Prozac); Bupropion (Wellbutrin); Sertraline (Zoloft); Topiramate (Topamax); Zonisamide (Zonegran).
- **Oral Pathological Changes in Patients Attributed to Altered Moods and Stress.**
- **Periodontal Disease and Dental Caries:** Frequent Snacking or Poor Food Choices. Combating Both for Optimal Oral Health.
- **Insomnia and Shift Work:** Which Is More Appetite-Inducing?
- **The 12 Pounds of Christmas:** Winter Weight Gain and Light Therapy.
- **Alzheimer's Disease and Diet:** Using Diet to Prevent Cognitive Impairment. Mediterranean and Japanese Diets.
- **Type 2 Diabetes and Pre-Diabetes:** Hypoglycemia, Hyperglycemia, and the Effects on Mood, Motivation, and Memory.
- **Attention Deficit Disorder (ADD):** Omega-3 Fatty Acids and Trace Minerals.
- **Counseling and Lifestyle:** Why Will Power Is Not Enough.

6 CONTACT HOURS / www.INRseminars.com

MEETING TIMES & LOCATIONS

KEARNEY, NE	OMAHA, NE	DES MOINES, IA	CEDAR RAPIDS, IA	DAVENPORT, IA
Thu., Nov. 29, 2012 8:30 AM to 3:30 PM	Fri., Nov. 30, 2012 8:30 AM to 3:30 PM	Wed., Dec. 5, 2012 8:30 AM to 3:30 PM	Thu., Dec. 6, 2012 8:30 AM to 3:30 PM	Fri., Dec. 7, 2012 8:30 AM to 3:30 PM
Kearney, NE	Omaha, NE	Des Moines, IA	Cedar Rapids, IA	Davenport, IA

TUITION: \$81.00 per person with pre-registration (\$96.00 at the door if space remains). Tuition includes a syllabus. (Group pre-registration rate: \$76.00 per person. To qualify, 3 or more registrations must be submitted together. Please list names of all registrants.)

TO REGISTER:

There are **four** ways to register:

- 1) **Online:** www.INRseminars.com
- 2) **By mail:** Complete and return the Registration Form below.
- 3) **By phone:** Register toll-free with Visa, MasterCard, American Express®, or Discover® by calling **1-800-937-6878**. (This number is for registrations only.)
- 4) **By fax:** Fax the completed registration form—including Visa, MasterCard, American Express®, or Discover® Number—to (925) 687-0860.

For all inquiries, please contact customer service at **1-877-246-6336** or **(925) 609-2820**.

Please register early and arrive before the scheduled start time. Space is limited. Attendees requiring special accommodation must advise INR in writing at least 60 days in advance and provide proof of disability. Registrations are subject to cancellation after the scheduled start time. A transfer can be made from one seminar location to another if space is available. Registrants cancelling up to 72 hours before a seminar will receive a tuition refund less a \$25.00 administrative fee or, if requested, a full-value voucher, good for one year, for a future seminar. Cancellation or voucher requests must be made in writing. If a seminar cannot be held for reasons beyond the control of the sponsor (e.g., acts of God), the registrant will receive free admission to a rescheduled seminar or a full-value voucher, good for one year, for a future seminar. A \$25.00 service charge applies to each returned check. Nonpayment of full tuition may, at the sponsor's option, result in cancellation of CE credits issued. The syllabus is not available for separate purchase. Fees subject to change without notice.

Please check course date:

- ____ Thu., Nov. 29, 2012 (Kearney, NE)
- ____ Fri., Nov. 30, 2012 (Omaha, NE)
- ____ Wed., Dec. 5, 2012 (Des Moines, IA)

REGISTRATION FORM

(This registration form may be copied.)

- ____ Thu., Dec. 6, 2012 (Cedar Rapids, IA)
- ____ Fri., Dec. 7, 2012 (Davenport, IA)

Please return form to:
INR
P.O. Box 5757
Concord, CA 94524-0757
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Please enclose full payment with registration form. Check method of payment. E-Mail: _____ (needed for confirmation & receipt)

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APPETITE & FOOD CRAVINGS

SPRINGFIELD, IL: Thu., Nov. 29, 2012
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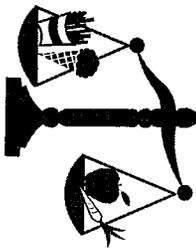
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Dental Hygienists
Pharmacists
Dietitians and DTRs
Psychologists
Social Workers
Occupational Therapists
Physical Therapists
Nursing Home Administrators
Case Managers
Massage Therapists
Counselors
Other Health Professionals

www.INRseminars.com
6 CONTACT HOURS



APPETITE & FOOD CRAVINGS

ACCREDITATION

To obtain the 6 contact hours (0.6 CEU) associated with this course, the health care professional will need to sign in, attend the course, and complete program evaluation forms. At the end of the program, the health care professional successfully completing the course will receive a statement of professional success.

REGISTERED NURSES (RNs) & LICENSED PRACTICAL NURSES (LPNs)

In order to receive continuing education credit, a provider of continuing nursing education by the National Nurses Association on Accreditation, Illinois Licensed Nurses can use the six (6) contact hours earned at this continuing education activity for renewal of their state nursing license, INR Board of Registered Nursing (CNP #65139), the Florida Board of Nursing (#50-3026-1), the Iowa Board of Nursing (#289), and the Kansas Board of Nursing (#101940-927).

DENTISTS & DENTAL HYGIENISTS

Under Sponsor #174-000726, the Illinois Department of Professional Regulation (IDPR) has approved this continuing education activity for dental education. Provider for the Academy of General Dentistry. The formal continuing dental education programs of this program provider are accepted by AGD for Fellowship, AGD for Diplomacy, and International Diplomacy credit. Approval does not imply the current term of approval extends from 06/07/12 to 05/31/16.

PHARMACISTS

INR is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. The Illinois Board of Pharmacy and the boards of pharmacy of all 50 states are members of the American College of Pharmacy. The ACPE Universal Activity Number for this course is 0751-0000-1202-1-014P. This is a knowledge-based CPE activity.

REGISTERED DIETITIANS & DTRs

INR, under Provider Number #4001, is a Continuing Professional Education Provider with the Commission on Dietetic Registration (CDR). Registered Dietitians (RDs) and Dietetic Technicians, Registered (DTRs) will receive 6 hours worth of continuing education units (CEUs) for completion of this program. Continuing Professional Education Provider Accreditation does not constitute a credentialing agency for the Academy of Nutrition and Dietetics (AND).

PSYCHOLOGISTS

INR is approved by the American Psychological Association to sponsor continuing education for psychologists. INR maintains responsibility for this program and its content.

SOCIAL WORKERS

Under Sponsor #154-000263, the Illinois Department of Professional Regulation (IDPR) has approved this continuing education activity for social workers. This program is approved by the National Board of Certified Financial Planners (Provider #86650297-1-139) for 6 social work continuing education contact hours.

OCCUPATIONAL & PHYSICAL THERAPISTS

INR is an AOTA Approved Provider of continuing education. Provider #62-217. INR is assigned 0.6 AOTA CEUs for this course. The assignment products, or clinical procedures by AOTA for award of specific course credit, have been made to the Illinois Physical Therapy Association for 6 hours of continuing education credit.

NURSING HOME ADMINISTRATORS

Under Sponsor #134-000175, the Illinois Department of Professional Regulation has approved INR as a sponsor of continuing education for nursing home administrators. This program is approved by the National Board of Certified Financial Planners (Provider #86650297-1-139) for 6 social work continuing education contact hours.

CASE MANAGERS

INR is approved by the Commission for Case Manager Certification to provide continuing education credit to Certified Case Managers (CCMs).

MASSAGE THERAPISTS

Institute for Natural Resources is approved by the National Certification Board for Therapeutic Massage & Bodywork (NCTMB) as a continuing education provider.

ACCREDITATION (cont'd)

COUNSELORS

INR is approved Continuing Education Provider (ACEP) and meets NBCC requirements. The ACEP solely is responsible for all aspects of the program.

OTHER HEALTH PROFESSIONALS

Participants successfully completing this course will receive course completion certificates. For rules governing continuing education credit, participants should contact their respective regulatory boards.

INSTRUCTOR

Dr. Annel St. Charles (Ph.D., R.D., L.D.N.) has professional training in biochemistry and nutrition. She obtained her doctoral degree in nutrition services, focusing in exercise physiology and applied behavioral analysis. She has over 20 years of experience providing clinical and educational services in her areas of study.

Dr. St. Charles professional work has focused primarily on health promotion and disease prevention. She has authored a scientifically based book that addresses nutritional matters, supplements, and lifestyle changes. Dr. St. Charles is a registered dietitian and a registered nutritionist. Every instructor is either a compensated employee or independent contractor of INR.

SPONSOR

INR (Institute for Natural Resources) is a non-profit scientific organization dedicated to the nation's largest provider of live continuing education programs, offering over 600 live seminars yearly.

INR has no ties to any commercial organizations and sells no products of any kind, except educational materials. Neither INR nor any instructor business has or has any financial relationship with any health care-related entity. If you are an instructor who had a material or other financial relationship with an entity mentioned in an educational program, that relationship would be disclosed at the beginning of the program. INR does not solicit or receive gifts or grants from any source, has no connection with any religious or political organization, and does not discriminate on the basis of race, gender, or P.O. Box 5757, Concord, CA 94524-0757

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LEARNING OBJECTIVES

- 1) Participants completing this course will be able to:
 - 1) list five ways hormones and neurotransmitters influence mood, appetite, and cravings.
 - 2) discuss the potential benefits and risks of antidepressants, anticonvulsants, and stimulant drugs for weight loss.
 - 3) explain the effects of pain, anxiety, depression, and sleep deprivation on appetite.
 - 4) outline healthy and effective dietary and exercise practices for long-term success.
 - 5) list the factors that contribute to weight gain during holidays and shift work.
 - 6) discuss the relationship between negative moods, poor food choices, and oral pathology.
 - 7) describe, for this course, the implications for dental, mental health, and other health professions.
- © Institute for Natural Resources, 2012. CCDE: AFC-V3440-C

APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM

RECEIVED

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IOWA DENTAL BOARD

Note: A fee of \$10 is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Institute for Natural Resources

Address: P.O. Box 5757 Concord, CA 94524-0757

Phone: 925-609-2820 ext. 253 Fax: 925-363-7798 E-mail: kfinley@biocorp.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify):** Non-profit CE Provider

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures**
- Home study (e.g. self assessment, reading, educational TV)
- Participation**
- Discussion**
- Demonstration

4. Course Title: Better Sleep/Better Memory

5. Course Subject:

- Related to clinical practice**
- Patient record keeping
- Risk Management**
- Communication**
- OSHA regulations/Infection Control
- Other:** Patient care, diagnosis, and regulation

6. Course date: Please see appendix A. Thank you. Hours of instruction: Six

7. Provide a detailed breakdown of contact hours for the course or program:

Please see appendix B for a course outline\time agenda. Thank you.

8. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

Please see appendix C for the course instructor resume. Thank you.

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Kayle M. Finley

Title: Chief Accreditation Assistant Phone Number: 925-609-2820 ext. 253

Fax Number: 925-363-7798 E-mail: kfinley@biocorp.com

Address: P.O. Box 5757 Concord, CA 94524-0757



Digitally signed by Kayle Finley
DN: cn=Kayle Finley, o=INR,
ou=Accreditation,
email=kfinley@biocorp.com, c=US
Date: 2012.07.11 11:55:13 -0700'

Signature. _____ Date: June 14, 2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.state.ia.us/dentalboard.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE** TO:

**Iowa Board of Dental Examiners
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

INSTITUTE FOR NATURAL RESOURCES
COURSE: "BETTER SLEEP/MEMORY"

Appendix A
Dates, Times, & Locations

Cedar Rapids, Iowa

Thursday, September 20, 2012
8:30am to 3:30pm

Instructor: Dr. James Coggin, M.D.

Davenport, Iowa

Friday, September 21, 2012
8:30am to 3:30pm

Instructor: Dr. James Coggin, M.D.

Des Moines, Iowa

Thursday, September 27, 2012
8:30am to 3:30pm

Instructor: Dr. Rajinder Hullon, M.D.

Omaha, Nebraska

Friday, September 28, 2012
8:30am to 3:30pm

Instructor: Dr. Rajinder Hullon, M.D.

INSTITUTE FOR NATURAL RESOURCES
COURSE: "BETTER SLEEP/MEMORY"

Appendix B
Time Agenda

7:45 AM – 8:30 AM	Registration
8:30 AM – 9:30 AM	Sleep: Why Do We Sleep? Do We Need To Sleep? Biorhythms: Sleep Patterns and Disruptions. Shift Work: A Major Risk to Develop Cardiovascular Disease and Diabetes? Do Longer Shifts Mean More Mistakes? Jet Lag: Causes and Recovery. How We Sleep At Night: Sleep Stages and Sleep Architecture. NREM (Non-Rapid Eye Movement) to REM (Rapid Eye Movement). Dreaming and Memory: The Powerful Sleep-Memory Connection.
9:30 AM – 10:30 AM	To Nap or Not to Nap? Do Nappers Have Better Cognition, Better Memory? Caffeine, Alcohol, and Sleep: What's the Real Story? Sleep Deprivation, Insomnia and the Heart: A Scary Connection. Too Much or Too Little Sleep: Are Both Dangerous to Your Health? The Dangerous Links among Sleep Disruption, Obesity, and Diabetes.
10:30 AM – 11:30 AM	Diagnosing Sleep Disorders: Sleep Specialists and Sleep Diaries. Sleep Disorders: Insomnia, Sleep Apnea, Restless Legs, and Periodic Limb Movement Disorder. Sleep Apnea Treatment: Oral Appliances, Surgery, CPAP, BiPAP, or Medications? Do They Improve Cardiovascular Health? Does Diet Help? Orofacial Pain and Sleep Disruption. The Mouth Pain/Insomnia Connection. Sleeping Pills: Are They Best Answer to Sleep Problems?
11:30 AM – 12:30 PM	Lunch
12:30 PM – 1:30 PM	Types of Sleep Medications: Do They Work? Which Are Best? How Long Should You Take Them? Is Melatonin Helpful for Anything? Sleep Hygiene: Simple Lifestyle Changes That Can Improve Sleep for Many. Stages and Types of Human Memory. Acquisition vs. Retrieval. Short-Term vs. Long-Term. Declarative vs. Procedural. Retrieval of Memories: How Accurate Is Our Recall of Events? September 11 "Flashbulb" Emotional Memories: Are Some Memories with Us Forever?
1:30 PM – 2:30 PM	Sleep and Memory. REM Dream Sleep and Memory Consolidation. High Blood Pressure & Memory. Eating and Memory: Can Better Nutrition Prevent Memory Loss? Why A Picture Is Worth A Thousand Words Regarding Memory. Overtime At Work: Long Work Hours and Decreased Memory Function.
2:30 PM – 3:30 PM	Stress and Memory: The "Inverted U" Curve. Aging and Memory. How Learning and Remembering Changes Over Time. The "45" Rule: Do Cognitive Functions Begin to Decline at Age 45? "Oldtimer's Disease" and Alzheimer's Disease: Are They The Same? Nutrition and Memory Loss? Depression and Dementia: Which Comes First?
3:30 PM	Questions and Answers

INSTITUTE FOR NATURAL RESOURCES
COURSE: "BETTER SLEEP/MEMORY"

Appendix C
Instructor Resume

Dr. James Coggin, M.D.
Dr. Rajinder Hullon, M.D.

Please see the attached resumes. Thank You.

James Michael Coggin, M.D.

Name: James Michael Coggin, M.D.
 Home Address: 1212 Caviness Drive
 Sanford, North Carolina 27330
 Telephone Numbers: Office: 919-708-4646
 Home: 919-775-3242
 Marital Status: Single, no dependents

EDUCATION

<u>Academic Training</u>	<u>Degree</u>	<u>Major</u>
New Hanover Regional Med. Ctr.	Internship/Residency	GP/OB/Gyn
Bowman Gray School of Medicine	Extern-ship Certification	Epidural Anesthesia
University of North Carolina at Chapel Hill School of Medicine	Doctor of Medicine with Honors	Doctor of Medicine with Honors
Chapel Hill, North Carolina	Acting Internships	Pain Mgmt./OB-GYN
North Carolina State University	Honors	Cell Biology
Davidson College	Bachelor of Science	Biology
Davidson, North Carolina	Davidson Honors College	Academic Honors
Sanford Central High School	Diploma	College Preparatory
Sanford, North Carolina		

EMPLOYMENT

Myomed Treatment Center (M.T.C.) Solo Practice, Sanford, N. C.	1996-Present
MyoDerm Aesthetics Clinic, (Subsidiary of Myomed Treatment Center)	2005
Family Medical Center, Sanford, North Carolina	1995
New Hanover Regional Medical Center-Internship and Residency	1991
Coggin Heating and Air Conditioning, Inc.	1976
President and Chairman of the Board of Directors	1960
Vice President	1978
Sales Manager-Solar Energy and Energy Management Divisions	1977
Service Department Manager	1960
Sanford Plating Company, Laboratory Technician	1976
Sanford Central High School, Sanford, North Carolina	
Physical Science and Biology Teacher, Grades 9-10	1974
English Teacher, Summer School Grades 11-12	1975
Director, Intramural Athletics	1975
High I.Q. Bowl Team - Faculty Advisor	1974
Huntersville Hospital, Orderly Service, Geriatric Floor	1973
Lee Drug Store. Sanford, North Carolina - Pharmacist Assistant	1967

James Michael Coggin, M.D.

PROFESSIONAL SOCIETY MEMBERSHIPS AND STATE LICENSING

HEADACHE NETWORK for Physicians (National). Selected to participate in Research and Seminars. Certified to treat Patients with Primary Headache conditions.

CERTIFIED BY THE FIBROMYALGIA NETWORK for providing Healthcare to Fibromyalgia and Chronic Fatigue Patients. (Listed on the N.C. Referral List)

Certified Disability Examiner for the State of North Carolina

American Medical Association, National, and State

Southern Medical Association

American College of Obstetricians and Gynaecologists, Junior Fellow

American Medical Student Association

N.C. State Board of Medical Examiners - State License and State License Registration Certificate

Board Certified in General Practice / Prior Board Eligibility in Gynaecology

Drug Enforcement Agency - DEA Registration Class II-V

North Carolina Medicare and Medicaid Provider

Uniform Provider Identification Number (F74977)

N.C. State Board of Refrigeration Examiners-State License

State of North Carolina Board of Examiners of Electrical Contractors. State License-SP-PH Class I

State Board of Examiners of Plumbing, Heating and

Fire Sprinkler Contractors License Number

Class I Licenses: H-1 (Hydronic Heating)

H-2 (Commercial Air Conditioning)

H-3 (Residential Heating and Air Conditioning)

RESEARCH EXPERIENCE

Development and Patent Pending of Topical Muscle analgesic and anti-spasmodic.

Post-Marketing Surveillance Study in coordination with Glaxo SmithKline for the use of Imitrex Injection In Select Patients with Migraine Headache.

University of North Carolina School of Medicine at Chapel Hill, Department of Obstetrics and Gynaecology, Watson Bowes, M.D. Faculty Sponsor.

Research on "Surgical Incision Closure: Materials, Methods, and Techniques" for fulfillment of the requirements for the Degree of Doctor of Medicine with Honors.

Woods Hole Marine Biological Laboratory, Woods Hole, Massachusetts, in association with the Davidson Honors College and the Department of Biology.

James Michael Coggin, M.D.

Faculty Preceptor: David Grant, Ph.D., Professor of Biology, Davidson College I designed and executed this research project on the Investigation of Benthic Marine Life Population Diversity in the Zostera marina community.

ACADEMIC and COMMUNITY SERVICE

CEMC Annual Health Fair Participant	1996-05
Fibromyalgia/Chronic Fatigue Support Group, Local Region (Founder)	1995
Student Health Action Committee Clinic, Carrboro, N. C., Position: Laboratory Technician. Faculty precepted and Student administered Health Clinic for the indigent	1988-89
North Carolina Triangle J Council of Governments Private Industry Council Representative of Private Business Sector for a 5 county area	1984-86
Rotary Club of Sanford: Chairman of Rotary Youth Committee Chairman of the Committee for the Muscular Dystrophy Telethon	1977-87
Lee County United Way-Board of Directors	1977-86

LECTURES AND PAPERS PRESENTED

Lecture/Presentation: "Secrets of Successful Aging" North Carolina Dental Society Annual Meeting	2005
Lecture/Presentation: "Women's Health Update" North Carolina Dental Society Annual Meeting	2003
Radio Talk Show: "Key Issues in Menopause" WCBS National Radio, New York City	1997
National Television appearance: The Joe Franklin Show, A Nationally Syndicated Television talk show, Newark, New Jersey.	1997
Chronic Pain, Migraine Headaches, Fibromyalgia and Myofascial Pain Syndromes - Monthly Lectures, Family Medical Center	1995
"Focus on Migraines" (Televised Symposium) - Sanford Civic Center	1994
"Osteoporosis and Menopause" (Public Forum) - Sanford, N. C.	1994
"Neonatal Herpes Simplex Virus Infection" - New Hanover Regional Medical Center, Departments of OB/GYN, Pediatrics and Neonatology, Wilmington, N. C.	1992
"Polycystic Ovarian Syndrome" - New Hanover Regional Medical Center, Department of OB/GYN, Wilmington, N. C.	1992
"Pregnancy Induced Hypertension" - New Hanover Regional Medical Center, Department of OB/GYN, Wilmington, N. C.	1992
"Surgical Incision Closure: Materials, Methods, and Techniques" UNC School of Medicine - Doctor of Medicine with Honors	1990-91

James Michael Coggin, M.D.

- "The Evolution of Man-A Review of Anthropology"
Philanthropic Literary Society, Davidson, N. C. 1974
- "Benthic Population Diversity in a *Zostera marina* Community"
Woods Hole Marine Biological Laboratory, Woods Hole Mass.
Davidson Honors College Marine Science Program 1972

HONORS AND AWARDS

International Who's Who of Entrepreneurs

Who's Who of Professionals

Strathmore's Who's Who of Professionals

Specialist Certification as a Preferred Provider: Fibromyalgia & Chronic Fatigue
SyndromesBook Dedication: Mary E. O'Brien, M.D. (author) Anadem Publishing
Chronic Fatigue Syndrome - Charting Your Course to Recovery"This book is dedicated to Dr. Jim Coggin, whose gentle understanding and compassion
have been a healing force in my life and in the lives of his patients."

- Awarded the Degree of Doctor of Medicine with Honors
University of North Carolina School of Medicine 1991
- Clinical Honors - Third & Fourth years - U.N.C. Medical School 1989-1991
- Sanford Junior Chamber of Commerce "Outstanding Young
Educator of the Year" Sanford-Lee County School System 1975
- President's Award for "Most Valuable Senior"
Sigma Phi Epsilon Fraternity, Davidson College 1974
- Alpha Epsilon Delta Pre-Medical Fraternity 1970-1974
- Philanthropic Literary Society, Davidson College
Oldest extant Davidson Student Organization, 1970-1974
Membership by invitation, Office of First Critic 1973-1974
- Davidson College Honors College 1970-1974
One of only two Freshmen selected for special academic pursuits
- Dr. John E. Dotterer "Mathematics Achievement Award"
Sanford Central High School, Sanford, North Carolina 1970
- God and Country Award, Boy Scouts of America and
The First Baptist Church of Sanford, North Carolina 1968
- Eagle Scout, Boy Scouts of America 1966

Rajinder S. Hullon, M.D., JD.

(785) 354-7720
(785) 608-9414 (cell)

1816 SW 26th St.
Topeka KS 66611
rhullon@cox.net

CME seminar presentation/medical research/writing
Medical legal consulting/communication/education

EDUCATION

Washburn University School of Law, Topeka Kansas

Juris Doctor, (JD) May 2003

President's Scholarship (2001-2003)

President, Asian American Law Students Association (2001 -2002)

Member, American Bar Association (2001- present)

University of Santo Tomas, College of Medicine, Manila, Philippines

Doctor of Medicine (M.D.) May 1990

Postgraduate training;

Kuala Lumpur General Hospital, Kuala Lumpur, Malaysia

Auckland City Hospital, Auckland, New Zealand

Trauma/Orthopedics

University of Santo Tomas, College of Science, Manila, Philippines

Bachelor of Science, Major in Biology, May 1986

Association of American Medical Technologists (AMT), 2001

WORK EXPERIENCE

The Institute for Natural Resources, Concord, California

October 2003-present

Medical writer/lecturer for board approved continuing medical/legal education courses
Focus on neurological trauma/neurodegenerative diseases, cardiovascular and endocrine disease.

Medical research, writing and editing of peer review educational syllabi and home study courses, slide preparation.

Medical education seminar presentation for physicians, dentists, nurses, pharmaceutical professionals and allied healthcare professionals.

Publications:

Medical Ethics and Malpractice, The Mysteries of Coffee and Tea, Medical benefits of Alcohol, Low Back Pain, Knee Pain, Over The Counter Pain Medications, Neck & Shoulder Pain, Thyroid disorders.

President, Global Health Placement LLC, Topeka, KS

August 2003- January 2005

Human resource planning and recruiting

Clinical Laboratory Scientist, Stormont-Vail Regional Health Center, Topeka Kansas

January 2001-present

Clinical laboratory medicine - Hematology, Chemistry, Coagulation, Serology, Immunology and Urinalysis

Proficient with Bayer Advia, Roche-Hitachi, Vitros, Coulter, MLA and Iris laboratory systems.

Proficient with Softlab and Cerner laboratory software

Laboratory Technologist, Kearny County Hospital, Lakin, Kansas

October 1998-December 2000

Clinical laboratory analysis in Hematology, Chemistry, Coagulation, Serology and Urinalysis

Physician, Kuala Lumpur General Hospital, Kuala Lumpur, Malaysia

December 1990-July 1997

Physician/Surgeon (Orthopedics)

Associate Editor, Adis International, Auckland, New Zealand

1990

Research and writing/preparation of clinical abstracts and related medical material

SKILLS AND INTERESTS

Excellent communication and relationship building skills, able to convey complex medical information to a diverse audience in a manner that facilitates learning.

Languages & Culture: Malay/Indonesian, Tagalog (Filipino), Hindi, Punjabi and Urdu

Proficient with Microsoft Office

AMA style writing, preparing clinic abstracts and journal research

Member, American Bar Association

Member, Lions Club International

Member, Association of American Medical Technologists.

CE SEMINARS PRESENTED

- Arthritis, Backaches and Bone Disease
- Brain Injury
- Anger, Anxiety & Hypertension
- Aging Body, Aging Mind
- Brain Fitness After 30
- Emotions, Stress and Disease
- Insomnia, Depression and Anxiety
- Better Brains, Better Bodies
- Immune Power
- Swine Flu
- Depression, Heart Disease & Stroke
- Burnout, Stress & Fatigue
- Alzheimer's, Memory & Dementia
- Reinventing Mid-Life
- Cerebral Dominance
- Stress, Depression & Pain
- The Addicted Brain
- Alzheimer's, Dementia & Parkinson's
- Chronic Pain
- Everyday Addictions & Painkillers
- Memory, Aging & Sleep
- The Aging Brain
- His Brain, Her Brain
- Successful Aging for Men and Women
- Malpractice

CME ACTIVITIES

12/8/2005 **Infectious Disease Symposium** St. Francis Health Center, Topeka KS. (Kansas Medical Education Foundation)

12/9/2005 **Mental Health Conference** Stormont-Vail HealthCare, Topeka KS (Kansas Medical Education Foundation)

6/3/2006 **Combined Grand Rounds** Stormont-Vail HealthCare, Topeka KS (Kansas Medical Education Foundation)

6/17/2006 **Combined Grand Rounds** (Managing Hypertension in High Risk Patients, Prevention and Treatment of Cardiovascular and Renal Disease in Hypertensive Patients with Type 2 Diabetes). Stormont-Vail HealthCare, Topeka KS (Kansas Medical Education Foundation)

11/16/2007 **2nd Annual Stormont Vail Trauma Symposium** Capitol Plaza Hotel -Maner Conference Center, Topeka, Kansas.

11/14/2008 **3rd Annual Stormont Vail Trauma Symposium** Capitol Plaza Hotel – Maner Conference Center, Topeka, Kansas.

6/27/2009 **13th Leonard F. Peltier, M.D., Ph.D., Orthopedic Lectureship** University of Kansas Medical Center, Kansas City, KS

7/25/2009 **Current Concepts in the Treatment & Rehabilitation of the Athlete** University of Kansas Medical Center, Kansas City, Kansas

8/28/2009 **4th Annual Stormont Vail Trauma Symposium**, Ramada Hotel and Convention Center, Topeka KS

10/09/2010 **Combined Grand Rounds**. Prostate cancer: Updates, Advances, Future Directions). Stormont-Vail HealthCare, Topeka KS

Annual Proficiency Testing for Medical Technologists, College of American Pathologists.

INSTITUTE FOR NATURAL RESOURCES
COURSE: "BETTER SLEEP/MEMORY"

Appendix D
Course Description & Brochure
(Please see attached brochure)

Clinicians often encounter patients who experience sleep difficulties. They are in an important position both to help patients identify contributors to these difficulties and to take measures to improve their sleep.

Sleep difficulties are linked to many different causes – ranging from stress, use of caffeine, alcohol, and other substances, to poor “sleep hygiene” or sleep habits, to disruptions in the body’s biorhythms, to specific sleep disorders, such as sleep apnea, restless leg syndrome, and periodic limb movement disorder. In addition, sleep problems can lead to additional difficulties for an individual – including daytime tiredness, difficulties at work and other spheres, and increased risk for cardiovascular disease and some other chronic ailments.

There is an important connection between sleeping and memory. Particular sleep cycles play a role in helping individuals consolidate memories. Moreover, sleep loss and sleep disorders may affect one’s memory, learning, and other cognitive functions, which can in turn have a detrimental impact on one’s functioning in daily life. In addition, there are common changes in both sleep and memory associated with aging,

Because of the importance of sleep for patients’ overall health and wellness, and given the reality that illness makes insomnia worse and insomnia exacerbates illness, good patient care requires that all health care professionals understand and be able to address this issue and be familiar with strategies for improving sleep.

This course is designed to shed light on the nature and purposes of sleep, the contributors to and consequences of sleep loss, and the relationships between sleep and memory and between sleep disruption and memory loss. Topics covered include the stages, cycles, and rhythms of sleep; healthy and unhealthy sleep patterns; common sleep disorders; evidence connecting sleep deprivation and sleep disorders to heart disease, stroke, diabetes, and dementia; stages and types of memory; and the effects of aging, stress, diet, medication, and other factors on both sleep and memory processing.

Health professionals will further find in “Better Sleep/Better Memory” discussions of the relationships between use of caffeine or alcohol and sleep; between shift work, jet lag, and disruptions of biorhythms and sleep; and between sleep and different types of memories. They will find timely discussions of the pros and cons of napping, the potential health effects of too much sleep, and linkages between dental pain and sleep disruption. Finally, they will become familiar with key strategies to both improve sleep and prevent memory loss, including sleep medications and their appropriate use, treatments for sleep apnea and other sleep disorders, and simple but vital changes in sleep hygiene and lifestyle. These strategies will contribute to better outcomes for patients’ daily functioning, health, and overall well-being.

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(925) 609-2820
www.INRseminars.com

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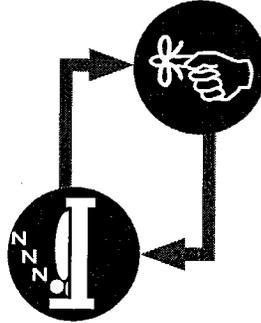
BETTER SLEEP/BETTER MEMORY



6 CONTACT HOURS, \$81 Tuition
Register with Visa, MC, American Express®, or Discover® at 1-800-937-6878

DENTAL EDUCATION 1895

BETTER SLEEP/ BETTER MEMORY



www.INRseminars.com

6 CONTACT HOURS
(See Approval Information)

A course for:

Dentists
Dental Hygienists
Members of the Academy
of General Dentistry (AGD)

Tuition \$81



Presented by Institute for Natural Resources
1-877-246-6336 • (925) 609-2820

ACCREDITATION

To obtain the 6 contact hours (0.6 CEU) associated with this course, the dental professional will need to sign in, attend the course, and complete program evaluation forms. At the end of the program, the dental professional successfully completing the course will receive a statement of credit. This is an intermediate-level course.

DENTISTS & DENTAL HYGIENISTS

INR (Institute for Natural Resources) has been approved by the national office of the Academy of General Dentistry (AGD) as a program provider of continuing dental education (see below). Many state boards of dentistry will accept, for credit, toward license renewal, courses presented by an AGD-approved organization. INR's approval from AGD covers both live and home-study courses. In over 40 states have received continuing education credit by completing INR courses. INR's courses have been approved for continuing education by dental boards in Indiana and California.

Iowa & Nebraska

Applications for approval of this course have been made to the Iowa State Board of Dental Examiners and the Nebraska Board of Dental Examiners for 6 hours of continuing education credit.

Illinois

Under Sponsor #174-000128, the Illinois Dept. of Prof. Regulation has approved INR as a sponsor of continuing dental work education.

Missouri & Kansas

The Missouri and Kansas Dental Boards will accept continuing education courses sponsored by an organization approved by the Academy of General Dentistry (AGD).

MEMBERS OF THE ACADEMY OF GENERAL DENTISTRY

INR is designated as an Approved FACE Program Provider by the Academy of General Dentistry. The formal continuing dental education programs of this program provider are accepted by AGD for approval, membership, and membership maintenance credit. Approval does not constitute an endorsement by the provincial board of dentistry or AGD endorsement. The current term of approval extends from 05/31/16 to 05/31/16.

COURSE RELEVANCE

This course reviews the physical, neurological, and biochemical bases of sleep. It covers selected sleep disorders and their medical significance, and the relationship between sleep and memory. The course includes oral health aspects of sleep and oral pain relationships to insomnia, as well as oral appliance therapy for sleep apnea. Normal memory and memory disorders, as well as behavioral, cognitive, and nutritional strategies for preserving memory, are also discussed. Dental professionals will acquire the knowledge necessary to accommodate the needs of dental patients with sleep disorders and/or memory problems. After completing this course, dental professionals should be able to provide improved oral health care to these patients.

Health professionals in fields other than dentistry have been invited to attend this seminar.

INSTRUCTORS

Dr. James M. Coggin (M.D.) graduated with honors from the University of North Carolina School of Medicine. After residency training in obstetrics and gynecology, he entered private practice. Dr. Coggin maintains a solo private practice and an active speaking career. Dr. Coggin's clinical work focuses on a wide range of topics, including women's health, fibromyalgia, chronic fatigue, weight control, migraines, and medical aesthetics.

Dr. B.S. Hulton (M.D., J.D.) is a physician and surgeon specializing in trauma and orthopedics. His medical experience includes diagnosis and treatment of infectious diseases, neurological disorders, neurodegenerative diseases (multiple sclerosis, Parkinson's, and Alzheimer's diseases) and psychiatric disorders (personality and mood disorders). His medical experience also includes diagnostic laboratory work, particularly in hematology. INR instructor is either a compensated employee or independent contractor of INR.

SPONSOR

INR (Institute for Natural Resources) is a non-profit scientific organization dedicated to research and education in the fields of science and medicine. INR is the nation's largest provider of live continuing education programs, offering over 600 live seminars yearly.

INR has no ties to any commercial organizations and sells no products of any kind, except educational materials. Neither INR nor any instructor has a material or other financial relationship with any health care-related business that may be mentioned in an educational program. If INR were ever to use an instructor who had a material or other financial relationship with an entity mentioned in an educational program, that relationship would be disclosed at the beginning of the program. INR does not solicit or receive gifts or grants from any source, has no connection with any religious or political entities, and is totally supported by its course tuition.

INR's address and other contact information follows:

P.O. Box 5757, Concord, CA 94524-0757

Customer service: 1-877-246-6336 or (925) 609-2820

Fax: (925) 667-0860

E-Mail: info@inrseminars.com, website: www.INRseminars.com

Tax Identification Number 94-2948967.

Education expenses (including enrollment fees, books, tapes, travel costs) may be deductible if they improve or maintain professional skills. Treas. Reg. Sec. 1.162-5. Recording of the seminar, or any portion, by any means is strictly prohibited. INR's liability to any registrant for any reason shall not exceed the amount of tuition paid by such registrant.

For American Disability Act (ADA) accommodations or for addressing a grievance, please fax the request to INR at (925) 667-0860. Or, please send the request by email to: info@inrseminars.com

LEARNING OBJECTIVES

- Participants completing this program will be able to:
 - describe the stages, cycling, and rhythms of sleep.
 - distinguish between healthy and unhealthy sleep patterns.
 - cite evidence connecting sleep deprivation and sleep disorders to heart disease, stroke, diabetes, and dementia.
 - describe the connection between dental pain and sleep disruption.
 - discuss the relationship between sleep stages and the formation of new memories.
 - cite the various effects of aging, stress, hypertension, diet, medications, supplements, and dementias on memory processing.
 - describe, for this course, the implications for dentistry, mental health, nursing, and other health care professions.

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BETTER SLEEP / BETTER MEMORY

Instructors: James M. Coggin, M.D. (Sept. 19 & 20)
R.S. Hullon, M.D., J.D. (Sept. 26, 27 & 28)

Seminar registration is from 7:45 AM to 8:15 AM. The seminar will begin at 8:30 AM. A lunch break (on your own) will take place from approximately 11:30 AM to 12:20 PM. The course will adjourn at 3:30 PM, at which time course completion certificates are distributed.

PROGRAM / LECTURE

- **Sleep: Why Do We Sleep? Do We Need To Sleep?**
- **Biorhythms: Sleep Patterns and Disruptions.**
- **Shift Work: A Major Risk for Cardiovascular Disease and Diabetes? Do Longer Shifts Mean More Mistakes? Jet Lag: Causes and Recovery.**
- **How We Sleep At Night: Sleep Stages and Sleep Architecture. NREM (Non-Rapid Eye Movement) to REM (Rapid Eye Movement).**
- **Dreaming And Memory: The Powerful Sleep-Memory Connection.**
- **Lucid Dreams: Being Aware of Sleep. Can Patients Learn to Influence the Content of Their Dreams.**
- **To Nap or Not To Nap? Do Nappers Have Better Cognition, Better Memory?**
- **Caffeine, Alcohol, and Sleep: What's the Real Story?**
- **Sleep Deprivation, Insomnia, and The Heart: A Scary Connection.**
- **Too Much Or Too Little Sleep. Are Both Detrimental To Your Health?**
- **The Dangerous Links among Sleep Disruption, Obesity, and Diabetes.**
- **Diagnosing Sleep Disorders: Sleep Specialists and Sleep Diaries.**
- **Sleep Disorders: Insomnia, Sleep Apnea, Restless Legs, and Periodic Limb Movement Disorder.**
- **Sleep Apnea Treatment: Oral Appliances, Surgery, CPAP, BiPAP, or Medications? Do They Improve Cardiovascular Health? Does Diet Help?**
- **Orofacial Pain and Sleep Disruption. The Mouth Pain/Insomnia Connection.**
- **Types Of Sleep Medications: Do They Work? Which Are Best? How Long Should You Take Them? Is Melatonin Helpful For Anything?**
- **Sleep Hygiene: Simple Lifestyle Changes That Can Improve Sleep.**
- **Stages And Types Of Human Memory. Acquisition Vs. Retrieval. Short-Term Vs. Long-Term. Declarative Vs. Procedural.**
- **Retrieval of Memories: How Accurate Is Our Recall of Events? September 11.**
- **"Flashbulb" Emotional Memories: Are Some Memories with Us Forever?**
- **Sleep And Memory. Dream Sleep and Memory Consolidation.**
- **High Blood Pressure and Memory.**
- **Eating and Memory. Can Better Nutrition Prevent Memory Loss?**
- **Why a Picture Is Worth A Thousand Words Regarding Memory.**
- **Overtime At Work. Long Work Hours and Decreased Memory Function.**
- **Stress And Memory. The "Inverted U" Curve.**
- **Aging And Memory. How Learning And Remembering Change Over Time.**
- **The "45" Rule: Do Cognitive Functions Begin to Decline at Age 45?**
- **Nutrition and Memory Loss. Depression And Dementia. Which Comes First?**

6 CONTACT HOURS / www.INRseminars.com

MEETING TIMES & LOCATIONS

CEDAR RAPIDS, IA	DAVENPORT, IA	KEARNEY, NE	OMAHA, NE	DES MOINES, IA
Wed., Sept. 19, 2012	Thu., Sept. 20, 2012	Wed., Sept. 26, 2012	Thu., Sept. 27, 2012	Fri., Sept. 28, 2012
8:30 AM to 3:30 PM				
Clarion Hotel	Homeridge Inn	Ramada Kearney	Sheraton Omaha	Holiday Inn Hotel
525 33rd Ave. SW	909 Middle Rd.	301 2nd Ave.	655 North 108th Ave.	4800 Merie Hay Rd.
Cedar Rapids, IA	Davenport, IA	Kearney, NE	Omaha, NE	Des Moines, IA

TUITION: \$81.00 per person with pre-registration (\$96.00 at the door if space remains). Tuition includes a syllabus. (Group pre-registration rate: \$76.00 per person. To qualify, 3 or more registrations must be submitted together. Please list names of all registrants.)

TO REGISTER:

There are **four** ways to register:

- 1) **Online:** www.INRseminars.com
- 2) **By mail:** Complete and return the Registration Form below.
- 3) **By phone:** Register toll-free with Visa, MasterCard, American Express®, or Discover® by calling **1-800-937-6878**. (This number is for registrations only.)
- 4) **By fax:** Fax the completed registration form—including Visa, MasterCard, American Express®, or Discover® Number—to (925) 687-0860.

For all inquiries, please contact customer service at 1-877-246-6336 or (925) 609-2820.

Please register early and arrive before the scheduled start time. Space is limited. Attendees requiring special accommodation must advise INR in writing at least 90 days in advance and provide proof of disability. Registrations are subject to cancellation after the scheduled start time. A transfer can be made from one seminar location to another if space is available. Registrants cancelling up to 72 hours before a seminar will receive a tuition refund less a \$25.00 administrative fee or, if requested, a full-value voucher, good for one year, for a future seminar. Cancellation or voucher requests must be made in writing. If a seminar cannot be held for reasons beyond the control of the sponsor (e.g., acts of God), the registrant will receive free admission to a rescheduled seminar or a full-value voucher, good for one year, for a future seminar. A \$25.00 service charge applies to each returned check. Nonpayment of full tuition may, at the sponsor's option, result in cancellation of CE credits issued. The syllabus is not available for separate purchase. Fees subject to change without notice.

Please check course date:

REGISTRATION FORM

(This registration form may be copied.)

_____ Wed., Sept. 19, 2012 (Cedar Rapids, IA)
_____ Thu., Sept. 20, 2012 (Davenport, IA)
_____ Wed., Sept. 26, 2012 (Kearney, NE)

_____ Thu., Sept. 27, 2012 (Omaha, NE)
_____ Fri., Sept. 28, 2012 (Des Moines, IA)

Please return form to:
INR
P.O. Box 5757
Concord, CA 94524-0757
TOLL-FREE: 1-877-246-6336
TEL: (925) 609-2820
FAX: (925) 687-0860

Please print:

Name: _____ Profession: _____

Home Address: _____ Professional License #: _____

City: _____ State: _____ Zip: _____ Lic. Exp. Date: _____

Home Phone: (____) _____ Work Phone: (____) _____ Employer: _____

Please enclose full payment with registration form. Check method of payment. E-Mail: _____ (needed for confirmation & receipt)

_____ Check for \$ _____ (Make payable to INR)

_____ Charge the amount of \$ _____ to my _____ Visa _____ MasterCard _____ American Express® _____ Discover®

Card Number: _____ Exp. Date: _____ (enter all raised numbers)

Signature: _____

Please provide an e-mail address above to receive a confirmation and directions to the meeting site.

CODE: 658-V2986

RECEIVED

JUL 16 REC'D

Institute for Natural Resources

IOWA DENTAL BOARD

P.O. Box 5757 ♦ Concord, CA 94524-0757 ♦ (925) 609-2820 ♦ FAX (925) 363-7798

June 14, 2012

Iowa Board of Dental Examiners
Advisory Committee on Continuing Education
400 SW 8th Street, Suite D
Des Moines, IA 50309-4687

Dear Board Representative:

Under its current organizational approval with the Iowa Board of Dental Examiners, the Institute for Natural Resources would like to submit an application for **prior approval** of its continuing education course entitled, "Better Sleep/Better Memory." This course is designed to meet the needs of licensed dentists seeking continuing education credit.

In addition to the completed application, please find appendices A through D enclosed. These materials include:

- ✓ Dates, Times, & Locations—**Appendix A**
- ✓ Time Agenda/Course Outline—**Appendix B**
- ✓ Instructor's Resume—**Appendix C**
- ✓ Course Description & Brochure—**Appendix D**

The Institute is a non-profit, scientific, and educational organization founded and maintained by professional scientists and educators. The Institute is free of any ties to commercial, political, or religious organizations. The purpose of the Institute is to provide high-quality, professional continuing education programs that enable healthcare professionals to provide quality services. The education courses offer up-to-date, in-depth information about the latest scientific and clinical research.

Please contact me at 925-609-2820 ext. 253, or my colleague April Kelly at (925) 609-2820 ext. 236, if you have any questions or require further information.

Sincerely,



Kayle Finley,
Accreditation Department

Enclosures

**APPLICATION FOR PRIOR APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 *per course* is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Iowa Academy of General Dentistry
Address: 529 N. 33rd St, Lincoln, NE 68503 *Julie Berger-Moore*
Phone: 402-436-2321 Fax: same E-mail: juliebergermoore@gmail.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify): _____

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

4. Course Title: Everyday Dentistry - More than Everyday Esthetics
5. Course Subject: Roots

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

6. Course date: Oct 5-7, 2012 Hours of instruction: 8 hrs lecture
16 hrs participation

7. Provide a detailed breakdown of contact hours for the course or program:

Oct 5, 2012 lecture Oct 6 & 7, 2012 participation

Lecture He will speak on step by step clinical cases, porcelain veneers, direct composites, diastema, etc.

Hands on portion will be on predictable porcelain veneers & composite resins

8. Provide the name(s) and briefly state the qualifications of the speaker(s): Dr. Bob Margas
graduated from Univ. of Iowa College of Dentistry in Feb.
He's lectured extensively. (see attached brochure)

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Julie Berger-Moore

Title: Executive Director Phone Number: 402-438-2321

Fax Number: same E-mail: juliebergermoore@gmail.com

Address: 529 N. 33rd St. Lincoln, NE 68503

Signature: Julie Berger-Moore Date: 6-14-2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

Registration Form

Please mail registration form and payment to:
IAGD, 529 N. 33rd Street, Lincoln, NE 68503. Or
you can fax your registration with credit card
to 402-438-2321. Registrations can be taken
over the phone with a credit card.

Name _____
 Staff _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____
 Fax _____
 Email (required) _____
 AGD# _____
 Non-member Yes

PAYMENT METHOD
 Check (made payable to the IAGD)
 Credit card: Credit card type: _____
 Credit card # _____ code on back _____
 exp. Date _____
 Credit Card Address (If different from above) _____
 Credit Card City, State & Zip (If different from above) _____
 Phone (If different from above) _____
 Signature _____
 Date _____

PLEASE NOTE: A \$25 processing fee will be applied to all
persons requesting a refund before September 13th. No
refunds will be issued after September 14th.
This course has been submitted to the IBDE for CE
Credits and approval is pending.

General Information

Friday, October 5, 2012
 Lecture course held at Hilton Garden Inn
 8600 Northpark Drive, Johnston, IA
 515.270.8890

7:30 a.m. Registration
 8 a.m. Course Begins
 Noon-1 p.m. Lunch
 1 p.m. Course Resumes
 5 p.m. Course Adjourns

*Coffee breaks and lunch will be provided

Saturday, October 6, 2012
 8 a.m. - 7:30 p.m.
Sunday October 7, 2012
 8 a.m. - 2 p.m.

Hands on Course — Limited Space Available
 Held at the Center for Advanced Dental
 Education, 1233 63rd St., Des Moines, IA

COURSE FEES

AGD Dentists: Lecture Only \$ 295
 Non-AGD Dentists: Lecture Only \$ 595
 AGD Dentists: Entire 3 day Event \$1,400
*Includes materials, meals and books.
 Lodging not included.*

Non-AGD Dentist: Entire 3 day Event . . . \$1,800
*Includes materials, meals and books.
 Lodging not included.*

Staff Member/Assistants/Hygienists . . . \$ 60
 Dental Students \$ 35
 Lab Techs \$ 125

A block of sleeping rooms have been reserved at
 the Hilton Garden Inn for \$109 until September
 12, 2012. Ask for the Iowa AGD rate. To make
 reservations, call 515-270-8890.



**"Everyday Dentistry —
 More than Everyday
 Esthetics Results"**

with
Dr. Robert Margeas

LECTURE COURSE
Friday, October 5, 2012
 8 a.m. - 5 p.m.
 Hilton Garden Inn
 8600 Northpark Drive,
 Johnston, IA

HANDS-ON COURSE
Saturday, October 6, 2012
 8 a.m. - 7:30 p.m.
Sunday, October 7, 2012
 8 a.m. - 2 p.m.
 Center for Advanced Dental
 Education, 1233 63rd St.
 Des Moines, IA



Iowa AGD
 529 N. 33rd Street
 Lincoln, NE 68503

PRSRRT STD
 US POSTAGE
 PAID
 CEDAR RAPIDS, IA
 PERMIT 291



DR. MARGÉAS

Speaker

Dr. Margéas graduated from the University of Iowa College of Dentistry in 1986 and completed his AEGD residency the following year. He is currently an adjunct professor in the Department of Operative Dentistry at the University of Iowa. He is Board Certified by the American Board of Operative Dentistry. He is a Diplomate of the American Board of Aesthetic Dentistry, a Fellow of the Academy of General Dentistry and International Team of Oral Implantologists (ITI). He has written numerous articles on esthetic and implant dentistry, and lectures and presents hands-on courses nationally and internationally on those subjects. He serves on the Editorial Advisory Board of Inside Dentistry, Compendium and is a contributing editor to Dentistry Today and Oral Health in Canada. Dr. Margéas maintains a full-time private practice focusing on comprehensive restorative and implant dentistry in Des Moines, Iowa.

THANK YOU

3M ESPE

Event Sponsor

"Everyday Dentistry — More than Everyday Esthetic Results"

Friday, October 5, 2012

8 hours AGD Credit — CE for IBDE pending approval

This lecture is designed for today's esthetically minded, real world dentist and staff. Dr. Margéas will review dozens of direct and indirect clinical cases, step-by-step. These include: porcelain veneers from preparation to cementation. Direct composite resin veneers, class IV restorations, diastema closure, and porcelain repair. Creating perfect ovate pontic sites following extraction. Simplified implant techniques with immediate extraction, placement, and provisionalization. Treating the worn dentition. The techniques learned can be incorporated into your practice immediately.

Learning Objectives

- You will learn how to properly layer and finish composite resins that mimic nature
- Provisionalize immediately following implant placement
- Porcelain veneers — from preparation to cementation
- Learn how to diagnose and treat the worn dentition

Hands on Training

Saturday & Sunday • October 6 & 7, 2012
(both days will consist of hands-on training)

16 hrs. AGD Credit — CE for IBDE pending approval

"Predictable Porcelain Veneers"

Porcelain veneers can be the strongest restoration in dentistry or the weakest. The treatment planning and preparation design makes all the difference. Bonding to enamel is the most predictable and best way to creating longevity when dealing with porcelain veneers. This hands-on course will allow you to create beautiful restorations without destroying tooth structure. Preparation design will be shown in detail step by step. Adhesive protocols for optimum results will be discussed. With over 25 years of experience dealing with porcelain veneers, Dr. Margéas will give you insight on how to prevent failures.

Learning Objectives

- Participants will prepare 6 anterior teeth for porcelain veneers
- Bonding of a veneer will be demonstrated
- Understand how to treat the surface of the restoration for optimum results
- Clinical Cases will be shown step by step

"Creating natural looking teeth with composite resins"

This HANDS-ON course is designed for today's esthetically minded, real world dentist and staff who need to be efficient

to be profitable. Numerous cases utilizing direct composite resin will be shown step by step. These include class IV restorations, diastema closure, and direct veneers. You will gain an understanding of resins that can offer an alternative procedure to porcelain. The techniques are minimally invasive, yet highly esthetic and long lasting. The hands on portion will consist of creating a direct composite veneer that can rival a porcelain veneer, creating an invisible class IV restoration, and performing a diastema closure. This interactive course is done in a step by step manner utilizing a visualizer, so that the participants can watch every aspect of the procedure and then create their own composite masterpiece.

Learning Objectives

- Learn a free hand technique for direct composites.
- Layering of composites for natural esthetics will be shown live.
- Finishing and polishing techniques that can mimic nature.



Academy of General Dentistry
PACE
ACD/AMGD Approved
6/1/2011 to 05/31/2013

The AEGD/JGDA is designated as an Approved PACE Program Provider by the Academy of General Dentistry. The formal continuing education programs of this program provider are accepted by AGD for Fellowship, Mastership and membership maintenance credit. Approval does not imply acceptance by a state or provincial board of dentistry. The current term of approval extends from 6/1/2011 to 05/31/2013.

ID# 219301

RECEIVED

JUL 16 2012

IOWA DENTAL BOARD

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Iowa Dental Hygienists' Assoc.

Address: 503 PLUM ST SOLON IA 52333

Phone: 319.530.4582 Fax: E-mail: bplatz25@gmail.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify):

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: LASERS and Ultrasonics "Olympic Gold" In Patient

5. Course Subject: Health and Wellness

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 09/28/2012 Hours of instruction: 6.0 HRS

7. Provide a detailed breakdown of contact hours for the course or program:

9 AM - 12 PM Lecture + Participation / Demonstration
1 pm - 4 pm " " "

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

See Attached sheet

9. Please attach a program brochure, course description, or other explanatory material.

Attached,

10. Name of person completing application: BRENDA PLATZ

Title: Continuing Education Chair Phone Number: 319.530.4582

Fax Number: --- E-mail: bplatz225@gmail.com

Address: 503 PLUM ST SOLON IA 52333

Signature: Brenda Platz Date: 07/15/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

Laser and Ultrasonics

"Olympic Gold"

In Patient Health and Wellness

The changing face of periodontal medicine brings us to an ever-expanding model of patient care. Many paradigms which have therapeutic implications related to periodontal therapy have changed. The expanding knowledge in understanding biofilm pathogenesis, risk factors for periodontal diseases and the cascading systemic effects of these infections call for the integration of technologic advancements that will facilitate improved patient treatment, healing, and health management. This program will explore how Laser and Ultrasonic technology has fundamentally changed the treatment we deliver in Dental Hygiene through the incorporation of treatment standards that maximize clinical end-point in treating patients to health and wellness.

Program Learning Objectives:

- Expand your knowledge of Biofilm infection and the role it plays in treatment decision making.
- Discover the value and benefit of the 80/20 Principle of Ultrasonics for prophylaxis, periodontal therapy and recall risk management.
- Learn about the biologically acceptable treatment end-point of ultrasonic and piezo debridement through insert and tip designs.
- Discuss the science of laser wavelengths and their absorption characteristics.
- Understand thermal disinfection and learn how the laser promotes physiologic healing through bio-stimulation.
- Identify soft tissue procedures performed by lasers.
- Dental Hygiene Survivor Skills: Ergonomic Advantages of Laser and Ultrasonic Implementation

About the speaker: Janet Press, RDH is a Dental Hygienist in general and specialty practice for 34 years, with 14 years clinical experience in soft tissue lasers. She holds the Academy of Laser Dentistry (ALD) Standard Proficiency in both Diode and Nd:Yag lasers and has been a member of the ALD Regulatory Affairs, Scientific Sessions, and Auxiliary Committees.

Previously a featured speaker and clinical instructor in the Dynamic Team and Laser Certification Programs at Las Vegas Institute for Advanced Dental Studies (LVI), Ms. Press conducts international workshops and private dental office training programs with emphasis on soft tissue lasers in dentistry, hygiene practice refinement, advanced ultrasonic instrumentation and team communication.

Janet frequently speaks at ALD annual meetings, for study clubs, international organizations, and dental manufacturers. Ms. Press holds the honor of being named a "Distinguished Dental Professional".

RECEIVED

AUG 16 REC'D

**APPLICATION FOR POST APPROVAL OF
CONTINUING EDUCATION COURSE OR PROGRAM**

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
Phone (515) 281-5157
www.dentalboard.iowa.gov

NOTE: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Course Title: I-Smile Coordinator Meeting

2. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control

Other: Related to Public Health Practice and Preventive Dentistry

3. Course date: June 15, June 22, 2012 Hours of instruction: 4

4. Provide a detailed breakdown of contact hours for the course or program:

See attached

5. Name of course sponsor: Iowa Department of Public Health

Address: 321 E. 12th Street
Des Moines, IA 50319

6. Which of the following educational methods were used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

7. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

See Attached

8. Please attach a program brochure, course description, or other explanatory material.

Attached

9. Name of person completing application: Tracy Rodgers

Title: Community Health Consultant Phone Number: 515-281-7715

Fax Number: 515-242-6384 E-mail: tracy.rodgers@idph.iowa.gov

Address: 321 E. 12th Street Des Moines, IA 50319

Signature: [Signature] Date: 8/15/2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov. Continuing education guidelines and rules are also available on the Board's website. A course is generally acceptable and does not need to go through this formal approval process if it is directly related to clinical practice/oral health care.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

**I-Smile Coordinator Meeting
June 15 and June 22, 2012**

4. Provide a detailed breakdown of contract hours for the course or program.

The meeting was a 5-hour educational session (4 hours plus a lunch break). The meeting was an opportunity for hygienists working in public health to learn new skills that will help them in providing preventive care and assistance to families as part of the I-Smile dental home project. The meeting power point presentations and agenda are attached.

- ***Using Data to Tell Your Story (1 hour session)***
 - Tracy Rodgers, BS, RDH – Iowa Department of Public Health
 - Ms. Rodgers' presentation provided tips and resources for use in reviewing and using oral health data within public health program development, oral health educational presentations, preventive dental program evaluation, and oral health needs assessments.

- ***Oral health program updates (1 hour)***
 - Tracy Rodgers, BS, RDH and Sara Schlievert, BS, RDH – Iowa Department of Public Health

- ***I-Smile Coordinator discussion and best practice sharing (2 hours)***
 - I-Smile coordinators shared local best practice for provision of preventive services

7. Provide the name(s) and briefly state the qualification of the speaker(s).

- Tracy Rodgers – BS, RDH – Iowa Department of Public Health, I-Smile Dental Home Project Coordinator
- Sara Schlievert, BS, RDH – Iowa Department of Public Health, I-Smile Dental Home Project Coordinator
- I-Smile Coordinators – all Iowa-licensed dental hygienists

I-Smile Coordinator Meetings
June 15, 2012 – Cedar Rapids
June 22, 2012 – Carroll

AGENDA

Time	Topic	Presenter
10:00 – 10:15	Welcome & Introductions	All
10:15 – 11:15	OHC Updates	Tracy Rodgers Sara Schlievert
11:15 – 12:15	Using Data to Tell Your Story	Tracy Rodgers All
12:15 – 1:00	Lunch	All
1:00 – 3:00	I-Smile Coordinator Discussion OH partnerships, OH promotion, OH needs assessments, advocacy	All
3:00	Wrap Up	All

Regional I-Smile Coordinator Meetings, June 2012

Cedar Rapids - June 15
Carroll - June 22

AGENDA

Time	Topic	Presenter
10:00 – 10:15	Welcome & Introductions	All
10:15 – 11:15	OHC Updates	Tracy Rodgers Sara Schlievert
11:15 – 12:15	Using Data to Tell Your Story	Tracy Rodgers All
12:15 – 1:00	Lunch	All
1:00 – 3:00	I-Smile Coordinator Discussion	All
3:00	Wrap Up	All

OHC Updates 2012 Legislative Session

- o Budget cuts to state funds
 - o 6% across the board
- o \$25,000 to University of Iowa College of Dentistry
- o ~\$32,000 to Donated Dental Services
- o \$50,000 for Delta Dental's FIND program

OHC Updates FQHC Dental Services – on Reports

- o **NOT INCLUDED** on CMS 416 (EPSDT Dental Services) Reports
- o **INCLUDED** on I-Smile data files
- o *IME is trying to determine how to capture FQHC dental services on future CMS 416 reports*

OHC Updates School Dental Screening

- o Stay tuned for 2011-2012 report
 - o What went well with audit?
 - o Ideas for improvement?
- o Reminder: Valid screening form
 - o Top section must include name, birthdate, parent/guardian name, school, grade level, and gender
 - o All part of provider section must be completed

OHC Updates Public Health Supervision, 2011

Service	2011	2010	2004
Sealant	35,627	20,433	10,476
Prophylaxis	1,439	1,086	157
Open Mouth Screen	61,568	54,442	11,472
Fluoride Application	41,393	32,469	1,939
Education	19,758	17,377	5,143
Other (x-rays, SRP)	756	71	64

OHC Updates Preliminary Results – 3rd Grade Survey

Indicator	2012	2009
Sealant	45.6%	49.2%
Untreated Decay	14.1%	21.9%
Filled Tooth	43.9%	46.7%
Uninsured	14.9%	18.5%

OHC Updates IDPH / I-Smile Coordinators Communications

- o OHC needs a response
 - o Email Subject: RESPONSE DUE <date> and !
- o OHC sharing program Information
 - o Email Subject: IMPORTANT
- o OHC sharing articles or reports
 - o Google Group post

OHC Updates Other

- MCH agencies – security responsibilities for records and computers
- I-Smile Dental Home Initiative Facebook Page
- Oral Health Care for Special Needs – provide Gayle feedback on flip chart

Using Data to Tell Your Story



I-Smile Coordinator Discussion

- A partnership that you think is unusual or unexpected
- Health promotion activity(s)
- How you are using Needs Assessment
- Planned legislative advocacy this summer/fall

Mark Your Calendar! ISC Meetings in FFY2013

1. Ames – Monday, October 15
2. Ames – Friday, April 5
3. East Region – Thursday, July 11
West Region – Thursday, July 18

Using Data to Tell Your Story

I-Smile Coordinators
June 2012

It isn't about showing a lot of data or making data pretty.

It's about using data to tell a story that **grabs attention, shows meaning and inspires action.**

Rule 1: Know Your Audience

Rule 2: Work With Your Data

Rule 3: Seeing is Believing

Rule 1: Know Your Audience



Parents as Teachers



Google





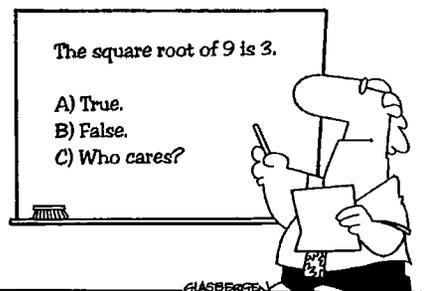
- What type of data is a group of business men and women interested in?
 - High costs of treatment when disease is not prevented
 - Workforce issues
 - Other ideas?
- How should you present that data?



- What type of data is a civic organization interested in?
 - Oral health status of children in the area
 - Improvements that your program has made or needs to make
 - Funding possibilities
 - Other ideas?
- How should you present that data?

Rule 2: Work With Your Data

Copyright 1996 Randy Glasbergen. www.glasbergen.com



Many students actually look forward to Mr. Atwadder's math tests.

Calculations

- Untreated Decay Rate – via open mouth surveys of 3rd graders at two local elementary schools

Smith Elementary

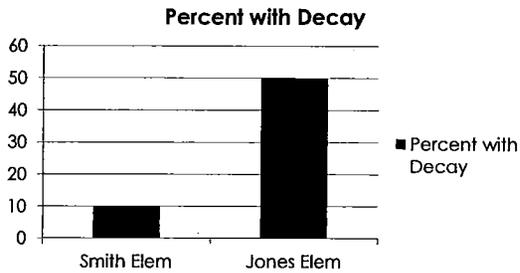
- 30 of 30 children participated
- 3 children had a cavity

Jones Elementary

- 6 of 30 children participated
- 3 children had a cavity

Is it accurate to say that half of 3rd graders at Jones Elementary have untreated decay?

Not really.....



MORE accurate...

- 17% of 3rd graders have untreated decay (combine the results of the two schools for a larger sample size)

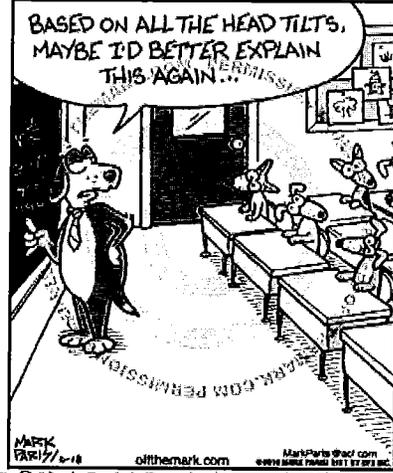
Because:

- Sample size = 36, which is 60% of possible sample size (60)
→ $3+3=6 \div 36 = .167 \times 100 = 16.7\%$

Percent Change FORMULA:

$$\begin{aligned} \text{new number (A) - old number (B)} &= \text{(C)} \\ \text{(C)} \div \text{old number (B)} \times 100 &= \% \text{ improvement} \\ \text{(A-B=C} \div \text{B} \times 100) \end{aligned}$$

off the mark.com by Mark Parisi



<http://percent-change.com/>

Percent Change Calculator

Percent change calculator uses this formula:
 $((y2 - y1) / y1) * 100 = \text{your percentage change.}$

Y1 (1st Value)

Y2 (2nd Value)

Calculate

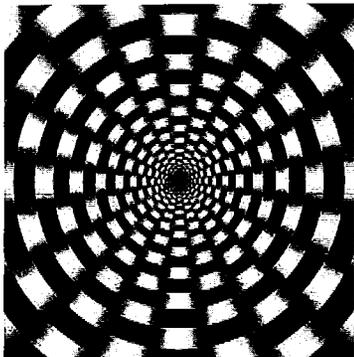
Percent Change

TABLE 1: NUMBER OF MEDICAID-ENROLLED CHILDREN AGES 0-12 RECEIVING A DENTAL SERVICE FROM DENTISTS

	AGES 0-2		AGES 3-5		AGES 6-9		AGES 10-12		AGES 0-12	
	BASELINE	CURRENT	BASELINE	CURRENT	BASELINE	CURRENT	BASELINE	CURRENT	BASELINE	CURRENT
	2005	2011	2005	2011	2005	2011	2005	2011	2005	2011
PERCENT INCREASE FROM 2005 TO 2011: CHILDREN RECEIVING SERVICES FROM DENTISTS	↑ 134%		↑ 54%		↑ 46%		↑ 45%		↑ 54%	

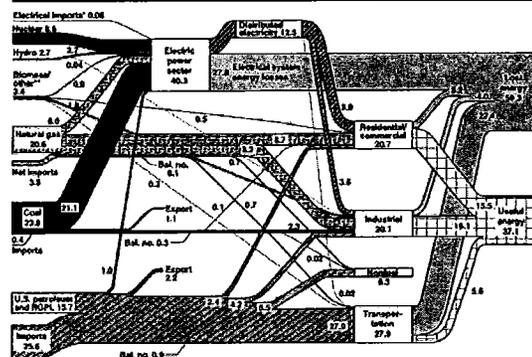
Although Medicaid enrollment has increased between 2005 and 2011, it has not grown at the same rate as the increase in children receiving services. Enrollment increases were 38%, 43%, 43%, and 34% per age group respectively.

Rule 3: Seeing is Believing



Less is More

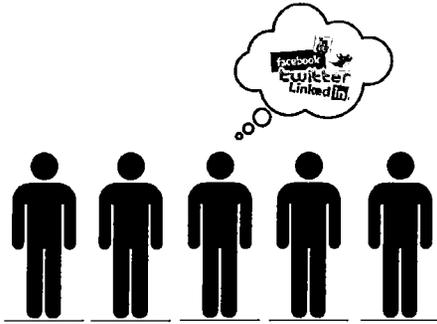
U.S. Energy Flow Trends – 2002 Net Primary Resource Consumption ~103 Exajoules



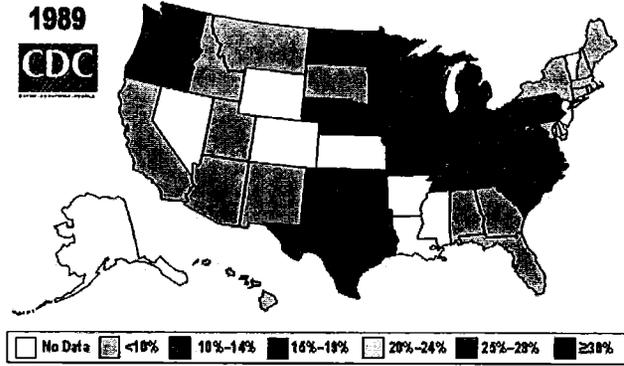
Source: Production and use data from Energy Information Administration, Annual Energy Review 2003.
 *Net local fuel electrical imports.
 **Domestic fuel includes wood, waste, geothermal, solar, and wind.

June 2004
 Lawrence Livermore
 National Laboratory
 My-Pred-Net position

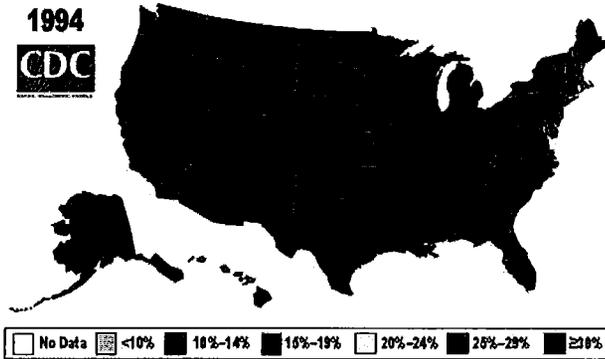
Use Visuals



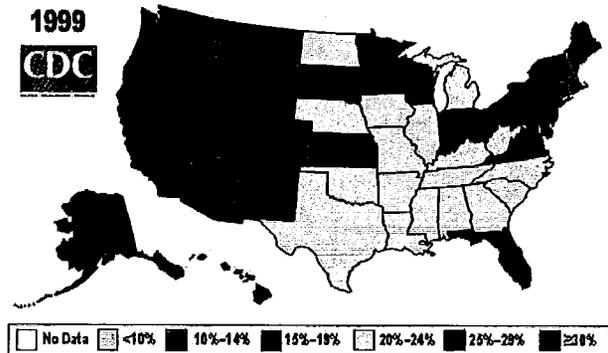
Use Visuals, Show Comparisons



Use Visuals, Show Comparisons

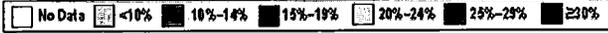
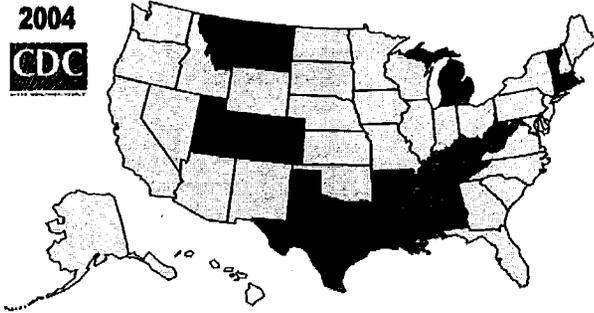


Use Visuals, Show Comparisons



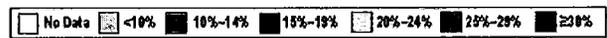
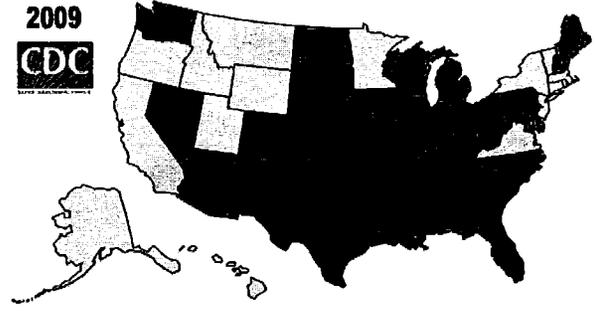
Use Visuals,
Show Comparisons

2004



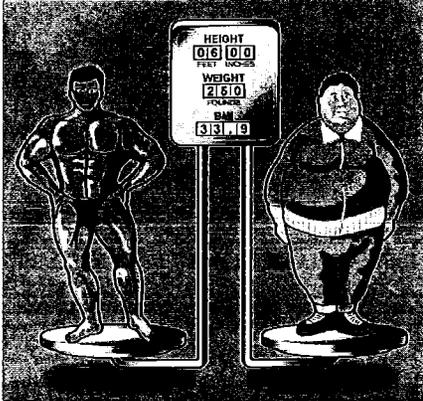
Use Visuals,
Show Comparisons

2009



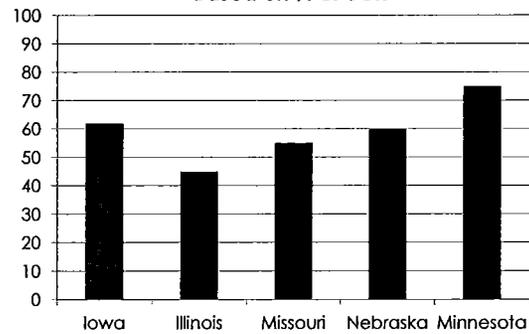
Use Visuals,
Show Comparisons

BMI Body Comparison



Use Comparisons

Dental Medicaid Rates per State,
Based on % of UCR*



*CHART DATA IS PURELY FICTIONAL!!

Example 1

Example 1

Example 1



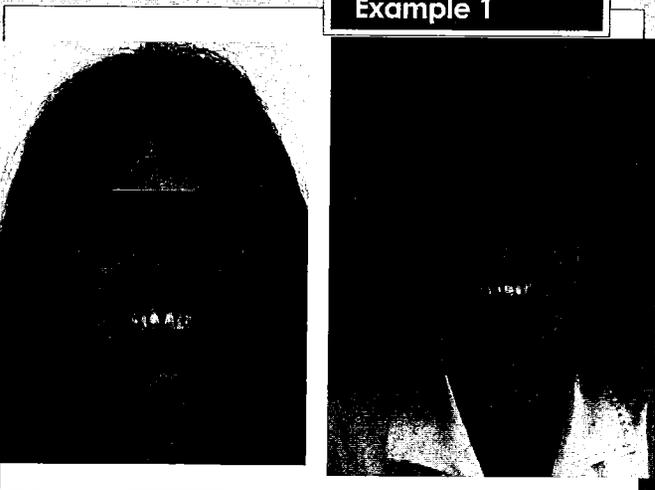
- What type of data is a group of business men and women interested in?
 - High costs of treatment when disease is not prevented
 - Workforce issues
- How should you present that data?

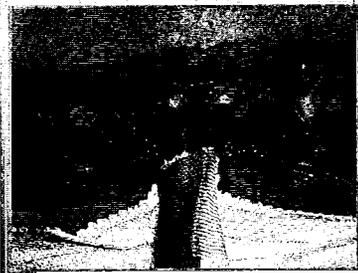
Example 1

Costs of Dental Disease

- Treatment is not a one-time expense
 - Filling → Bigger Filling → Crown → Root Canal
 - \$ → \$\$ → \$\$\$ → \$\$\$\$
 - Child → Young Adult → Adult → Adult

Example 1

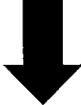




Example 1

Age: 1 1/2 years

Treatment in Hospital



COSTS to MEDICAID (2005)
Dental Fees ~ \$1,350
Medical Fees ~ \$6,200
TOTAL FEE ~ \$7,550

Example 2

Example 2

FFY 2011 EPSDT Dental Services Report
 Age 0 - 5

County Name	Total Enrolled Age 0-5	Total Receiving Any Dental or Oral Health Services* (00100 - 00200) Age 0-5	Percent Receiving Any Dental or Oral Health Services* (00100 - 00200) Age 0-5	Total Receiving Oral Health Services by Non-Covered† (00100 - 01000) Age 0-5	Percent Receiving Oral Health Services by Non-Covered† (00100 - 01000) Age 0-5	Total Receiving Any Dental Services* (00100 - 00200) Age 0-5	Percent Receiving Any Dental Services* (00100 - 00200) Age 0-5
Alachua	2208	178	8.0%	77	34.8%	63	28.5%
Albany	1237	111	9.0%	67	53.7%	16	13.0%
Alford	622	60	9.6%	30	57.7%	31	50.0%
Apopka	292	241	82.5%	160	66.2%	211	72.3%
Avon	132	84	63.6%	70	83.3%	115	87.1%
Baker	617	333	53.9%	213	34.5%	223	36.1%
Baldwin	2,275	2,103	92.4%	1,265	21.7%	1,238	21.5%
Band	687	565	82.2%	307	44.7%	405	59.0%
Beecher	427	170	40.0%	80	24.9%	116	27.2%
Bethune	618	546	88.3%	217	35.1%	230	37.2%
Bland	1,172	645	55.0%	365	31.2%	340	29.0%
Bolton	427	223	52.2%	160	37.5%	248	58.1%
Bonifay	208	141	67.8%	120	57.7%	71	34.1%
Burke	618	341	55.2%	265	42.9%	374	60.5%
Calhoun	377	298	79.0%	167	44.3%	223	59.1%
Chambers	474	175	36.9%	78	16.2%	137	28.9%
Cherokee	1,577	723	45.9%	426	27.0%	629	40.0%
Chiefland	327	130	39.7%	79	24.2%	109	33.3%
Chilton	760	211	27.8%	120	15.8%	122	16.1%
Clay	32	24	75.0%	10	31.3%	17	53.1%
Clayton	618	340	55.0%	241	39.0%	240	38.8%
Collier	418	238	57.0%	208	49.8%	119	28.5%
Colton	1,079	630	58.4%	368	34.2%	467	43.3%
Crawford	622	466	75.0%	175	28.1%	246	39.5%
Dade	1,224	911	74.5%	463	37.8%	573	46.8%
Duval	202	186	92.1%	73	36.1%	125	61.9%
Duval	327	272	83.2%	160	48.9%	216	66.0%
Duval	600	292	48.7%	160	26.7%	156	26.0%
Duval	1,863	871	46.8%	508	27.3%	736	39.5%
Duval	116	90	77.6%	40	34.5%	111	95.7%
Duval	1,863	1,093	58.7%	1,057	56.8%	1,096	58.8%
Duval	377	173	45.9%	91	24.1%	130	34.5%
Duval	716	611	85.3%	466	65.1%	530	74.0%
Duval	617	315	51.0%	170	27.6%	212	34.4%
Duval	465	275	59.1%	209	44.9%	303	65.2%

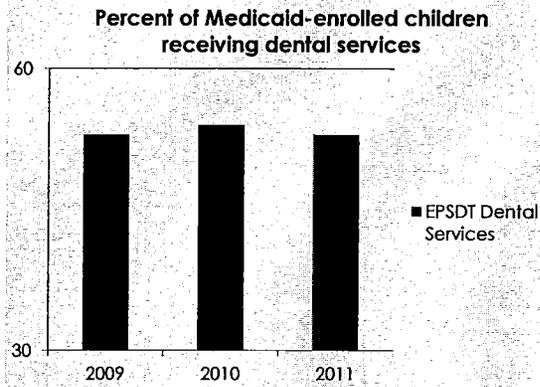
1. Dental offices, dental practices, and dental health centers, physician's offices
 2. Day's Learning Center and Special Health Center, physician's offices
 3. Dental offices

Example 2

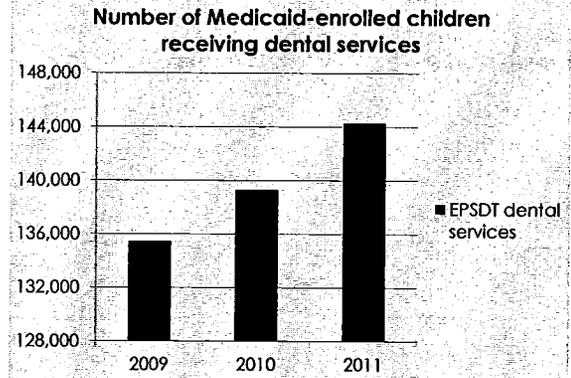
EPSDT Dental Services Reports

- Percent of Medicaid-enrolled children who receive dental services
- Numerator = total ME children who receive a service
- Denominator = total children enrolled on Medicaid

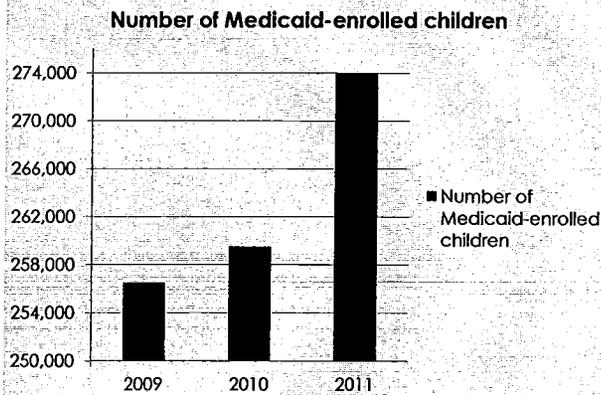
Example 2



Example 2



Example 2



Example 2

EPSDT Dental Services

- Are we seeing any improvements in children receiving services the past 2 years?
- In 2009, 135,460 children received a service
- In 2011, 144,280 children received a service

$$144,280 - 135,460 = 8,820$$
$$8,820 \div 135,460 = 0.065 \times 100 = \mathbf{6.5\%}$$

Example 2

EPSDT Dental Services

- There has been no improvement in the percent of Medicaid-enrolled children who received a dental service from 2009 (53%) to 2011 (53%)

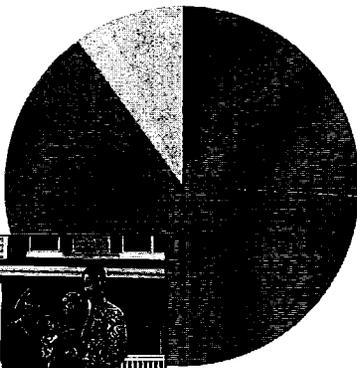
OR

- In 2011, 6.5% more Medicaid-enrolled children received a dental service than in 2009

Example 3

Example 3

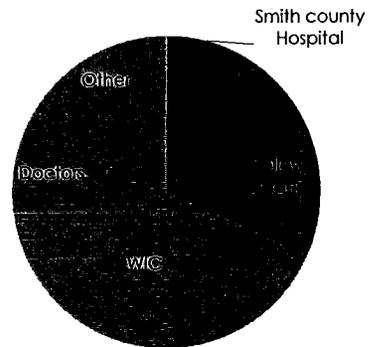
Where Parents Learned About our Program



- IDPH website
- Smith County Health Department website
- another parent
- Newspaper ad
- Healthy Families line
- Yellow Pages
- WIC
- Smith county Hospital
- Dr. Smith
- Dr. Hill

Example 3

Where Parents Learned About our Program



Example 4

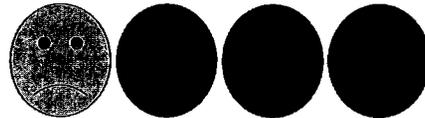
Example 4

Based on the Smith County school screening audit:

- 16 children out of 64 have a dental treatment need

OR

- one child in four has a dental treatment need



Example 5

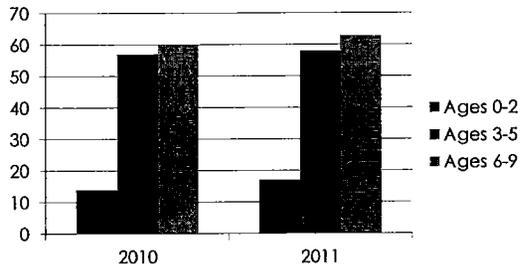
Example 5

Issue: Children younger than age 3 are not getting dental services from dentists in Blue County

Plan: Demonstrate the issue to Local Board of Health and ECI board in hopes of receiving funding to provide gap-filling preventive services for uninsured

Example 5

More than 80% of ME children younger than 3 go without dental care in Blue County



1. Know Your Audience

o **Make it Meaningful:** *Share what matters to the audience*

2. Work With Your Data

o **Make Calculations:** *Understand what the numbers mean*

o **Be Accurate:** *Check, check, and re-check calculations*

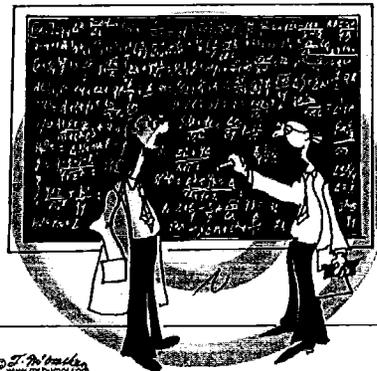
3. Seeing is Believing

o **Be Concrete:** *Illustrate the point*

o **Put it into Context:** *Show comparisons*

o **Be Clear:** *Keep it simple and uncluttered*

MCHUMOR.COM by T. McCracken



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www.mchumor.com

"There's really no need for confusion.
Part 95 of section 33 of article Q
in the formula quite clearly states ..."
© T. McCracken mchumor.com

RECEIVED

OCT 3 2012

IOWA DENTAL BOARD

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Iowa Dept. of Public Health

Address: 321 E. 12th Street Des Moines, IA 50319

Phone: 515/281-7630 Fax: 515/242-6394 E-mail: saralyn.schlievert@idph.iowa.gov

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military

Other (please specify): State health department

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: Tobacco and Hypertension Screening & Referral

5. Course Subject: by Dental Professionals

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: Ongoing Hours of instruction: 1 hr.

(beginning Nov. 1, 2012)

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

See attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Sara Schlievert

Title: Community Health Consultant Phone Number: 515/281-7630

Fax Number: 515/242-6384 E-mail: Sara.schlievert@idph.iowa.gov

Address: 321 E 12th Street Des Moines, IA 50319

Signature: Sara Schlievert Date: 10/1/12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Attachment: Application for Prior Approval of Continuing Education Course or Program

7. Provide a detailed breakdown of contract hours for the course or program.

The training includes a 1.0 hour office presentation and follow-up technical assistance, as needed.

This training is a collaborative project between the University of Iowa College of Dentistry and the Iowa Department of Public Health Community Transformation Grant. The purpose is to train dental office staff to incorporate blood pressure and tobacco screening and referral into their patient appointments as part of an integrated approach to improve the oral health and overall health of Iowans.

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

The training was prepared by Dr. Christopher Squier, PhD, DSc and Nancy Slach, RDH, BS, TTS from the University of Iowa.

Select licensed dental hygienists (serving as I-Smile Coordinators) and licensed registered nurses will attend a train-the-trainer session presented by Dr. Squire and Ms. Slach on November 1, 2012. These trained professionals will then provide the onsite trainings in dental offices in their communities as part of "Lunch and Learn" CEU sessions.

Dr. Squier joined the College of Dentistry in 1975. He is a professor in the Department of Oral Pathology, Radiology and Medicine, and in the Dows Institute for Dental Research. Dr. Squier is also director of graduate studies at the College of Dentistry, and since 2007, he has been director of Global Health Studies at the University of Iowa.

Ms. Slach joined the College of Dentistry in the fall of 1985. She has experience in private practice and public health dental hygiene, as well as practicing at The University of Iowa in Hospital Dentistry. She is a dental hygienist with a bachelor of science degree in dental hygiene from the University of Michigan. She attended the University of Iowa where she worked on a masters in public health dentistry and received her tobacco treatment specialist certification from the Mayo Clinic. She has been employed by the University for over 30 years and has held positions in both the University of Iowa Hospital Dental Clinic as well as her current teaching position at the College of Dentistry

Tobacco and Hypertension - Screening and Referral by Dental Professionals Train-The-Trainers



Nancy A. Slach, RDH,BS,TTS

Christopher Squier, DSc

What are we going to talk about?

I Christopher Squier

- Tobacco Use and Tobacco Related Disease
- Smoking and cardiovascular disease

II Nancy Slach

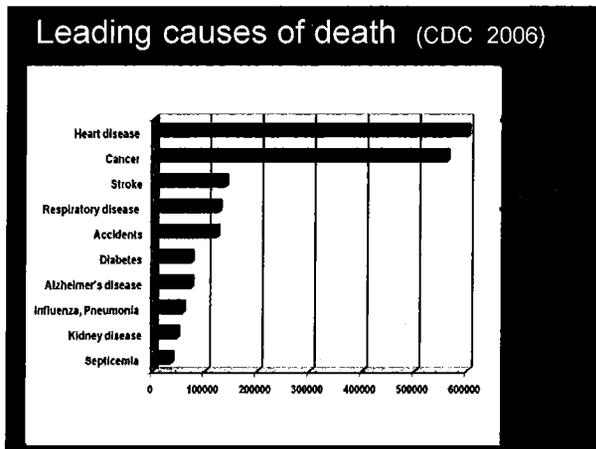
- Tobacco Screening and Referral
- Hypertension Screening and Referral

III Christopher Squier

- A pilot study of screening for hypertension and tobacco use in the dental office

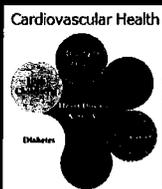


Nicotiana
Tabacum known
as common
tobacco. is used
for most tobacco
products



Hypertension

- Hypertension and smoking are major independent risk factors for CHD and Stroke
- 1 out of 3 U.S. adults (31% / 50 million) has high BP
- Prevalence of high BP in Iowa (25-27%) unchanged from 2000-2007 (BRFSS data)



Cardiovascular Health

What's in Tobacco Smoke?

4,000 chemicals including
and toxins:

- Cyanide
- Arsenic
- Carbon monoxide

- Nicotine



The Health Consequences of Smoking

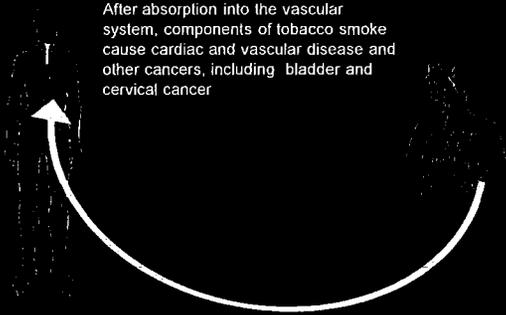
Tobacco smoke causes disease in the tissues which it directly contacts e.g. oral and pharyngeal cancer and lung cancer



Tobacco is responsible for 30% of all cancers but this rises to 80% for oral and lung cancer

Smoking and disease

After absorption into the vascular system, components of tobacco smoke cause cardiac and vascular disease and other cancers, including bladder and cervical cancer



Diseases caused by smoking

- Lung cancer
- Respiratory diseases (emphysema)
- Cardiovascular disease and stroke
- Cancers of mouth, throat, larynx, esophagus and stomach
- Other cancers – bladder, kidney, pancreas, breast
- Peptic ulcers
- Periodontal disease and tooth loss
- Pediatric disease
 - Cleft lip and palate
 - Low birth weight
 - Sudden Infant Death Syndrome (SIDS)
 - Asthma
 - Ear infections



Tobacco and Oral Health

- Smokers tend to have higher levels of calculus and more severe periodontal disease than non-smokers
- White patches on the palate -nicotinic stomatitis
- malignant transformation – oral cancer



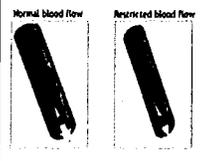
Smoking and cardiovascular disease

What are the mechanisms?

30 minutes of exposure to smoke resulted in reduced ability of the heart arteries to dilate in health, young, nonsmokers.

Otsuka, MD et al, JAMA, July 25, 2001

Nicotine has a *vasoconstrictive effect*. This causes decreased flow in blood vessels and increased blood pressure (*hypertension*)



Smoking and cardiovascular disease

What are the mechanisms?

Toxins in tobacco smoke damage endothelial cells and activate platelets

Platelets stick to vessel walls and fibrin is formed. Blood cells are trapped

A thrombus (clot) develops that can form an atherosclerotic plaque, which may rupture and occlude the vessel

Blood flow to the heart muscle is reduced and an infarct can ensue

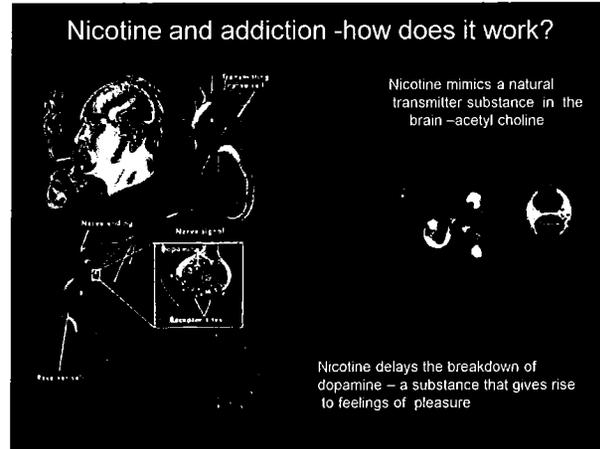
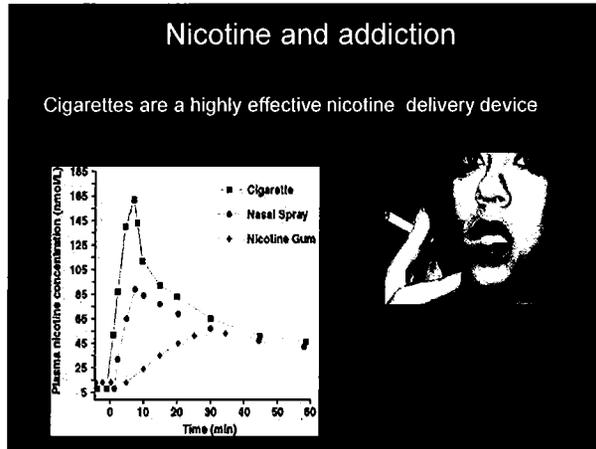



Smoking - Why do it?

Nicotine

Nicotine is a powerful addictive agent





Screening for Hypertension American Dental Association Recommendations

- Dental offices should take blood pressure on all new patients and annually on all recalls.
 - Patients with hypertension should be monitored throughout each dental visit during which complex procedures are performed. (Thompson et al., 2007; Herman et al., 2004).
-

- Remember local anesthetics that contain epinephrine or other vasoconstrictors can increase blood pressure or the development of an arrhythmia, which is dangerous to patients with hypertension.

(Gurelian 2007, Thompson et al. 2007)



- Patient noncompliance with antihypertensive drug regimens is a widespread epidemic – monitor known hypertensive patients at each visit.
- Hypertension is the most common primary diagnosis in America.
- Affects approximately 50 million individuals in the United States.

Handbook of Local Anesthesia 5th Edition, Stanley F. Malamed, 2004, pg 142, 143

Blood Pressure Monitors



Screening Blood Pressure Classification

Blood Pressure Classification	Systolic BP, mm Hg	Diastolic BP, mm Hg	Management
Normal	< 120	and < 80	Maintain
Pre-hypertension	120-139	or 80-89	Monitor
Stage 1 hypertension	140-159	or 90-99	Be checked by physician
Stage 2 hypertension	≥ 160	or ≥ 100	Referral to physician or I.R.

The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure. Bethesda, MD: National Institutes of Health, National Heart, Lung, and Blood Institute; 2003. NIH Publication 03-5231

Major Risk Factors for Hypertension

- Cigarette Smoking, any tobacco use
- Obesity (BMI \geq 30)
- Physical inactivity
- Diabetes mellitus
- Age (older than 55 for men, 60 for women)
- Family history
- Kidney disease
- High blood cholesterol levels (dyslipidemia)

Typical Treatments

- Normal: encourage good lifestyle choices
- Prehypertensive: assess lifestyle and identify other cardiovascular risk factors or disorders that may affect prognosis and guide treatment.
- Stage 1 or Stage 2 hypertension: often one or more drugs are prescribed along with lifestyle changes.

What About Low Readings?

- Blood pressure readings less than 90/60 mm Hg are normal as long as the patient feels well.
- In general, the lower the blood pressure, the better.
- If the patient feels light headed, faint, or like they may vomit, they should see their physician.

Summary on Hypertension

- Be proactive in screening for hypertension in the dental office.
- Have enough monitors available (one in each operatory) that clinicians are comfortable using.
- Have a variety of cuff sizes available.
- Have a formal referral method for hypertensive patients. (Medical Consultation Request Form handout)

Screening for Tobacco Use



Background Information



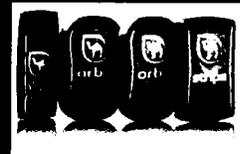
Dean K. Riddle
My Dad
1926-1990

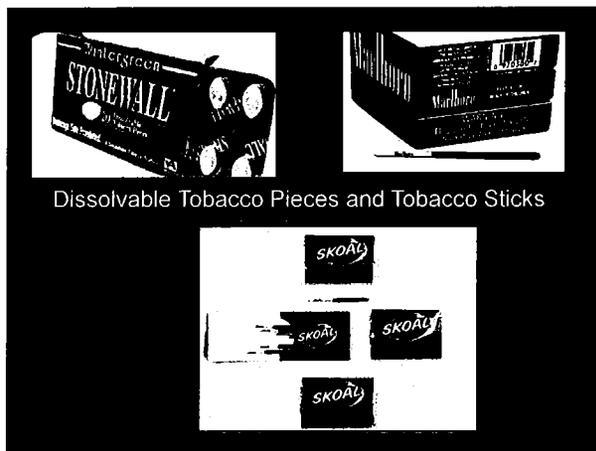
My Patients



- Ask all new patients about tobacco use on the health questionnaire and update at each office visit. (Health Questionnaire – possible tobacco questions handout)
- Ask all tobacco users what type of tobacco they use.
- Ask all tobacco users about their interest in stopping tobacco use.

Snus, Sticks, Orbs, Strips





Hookah

- 2000 – 2004 over 200 new hookah cafes opened for business
- Near college Campuses
- Middle-Eastern population groups

Step 1: ASK

- Ask about tobacco use
 - “Do you, or does anyone in your household ever smoke or use any type of tobacco?”
 - “We like to ask our patients about tobacco use, because it has the potential to interact with many medications.”
 - “We like to ask our patients about tobacco use because it contributes to many medical and dental conditions.”

Step 2: Advise

- Advise tobacco users to quit (clear, strong, personalized)
 - “It is important that you quit as soon as possible, and I can help you.”
 - “Cutting down is not enough.”
 - “Occasional or light smoking is still harmful.”
 - “I realize quitting is difficult. It is the most important thing you can do to protect your health now and in the future.”

Step 3: Assess

- Assess Patient's Interest in Quitting
 - Can be done on the health questionnaire or a tobacco intervention form. (H&A 1, 4)
 - Most dental care providers are good at asking patients and advising them not to use tobacco, but they need help with assessing, assisting and arranging for help in quitting. . . Or assessing and referral for help in quitting.

Assess

- Use a scaling tool to assess Importance, Readiness, or Success/Confidence in quitting tobacco use.
- When you hear change talk, ask the patients to "tell you more".
- When you hear resistance, roll with it.

Step 4: Assist

- Assist patient in evaluating tobacco habit
 - Use a tobacco intervention form (H&A 1, 4)
 - Use "How" and "what" questions "
 - "why" questions can sound judgmental.
 - Set a quit date – usually within two weeks
 - Encourage patient to tell others that they are quitting.
 - Anticipate challenges.
 - Remove tobacco products etc. from environment.
 - Recommend the use of medications and counseling

Step 4: Refer

- Refer tobacco users to other resources
 - Referral Options:
 - A doctor, nurse, pharmacist, or other clinician, for additional counseling.
 - A local group program.
 - The support program provided free with each smoking cessation medication.
 - The toll-free telephone Quitline (1-800-Quit-Now)

Brief Counseling: Ask, Advise, Assess, Assist, Refer

- Brief interventions have been shown to be effective.
- In the absence of time or expertise:
 - Ask, Advise, Assess, Assist, Refer to other resources, such as local group programs or the toll-free Quitlines

This brief intervention can be achieved in less than 3 minutes.

What are Tobacco Quitlines?

- Tobacco cessation counseling provided at no cost via telephone.
- Staffed by trained specialists.
- Up to 4-6 personalized sessions.
- Free pharmacotherapy for Title 19 patients (12 weeks in one year).
- Up to 30% success rate for patients who complete sessions.

When a Patient Calls the Quitline

- Counselor or Intake Specialist answers
 - Caller is routed to language-appropriate staff.
- Brief Questionnaire
 - Contact and demographic information
 - Smoking behavior (e.g. cigarettes per day)
 - Choice of services

Most health-care providers and most patients are not familiar with Tobacco Quitlines

Continued . . .

- Services Provided
 - Referral to local programs
 - Quitting literature mailed within 24 hours
 - Individualized telephone counseling
 - Confidential
 - Professional, trained counselors

Quitlines have a broad reach and are recommended as an effective strategy in the 2008 Clinical Practice Guideline

Referral to Quitline Iowa

- FAX referral form (Handout)
- Medicaid FAX referral forms (Handouts)
 - Nicotine Replacement
 - Zyban
 - Chantix
- Provide patient with Quitline Iowa brochure

WAYS TO QUIT TOBACCO

Cold Turkey and Tapering

- Cold Turkey 
 - Nicotine is out of your system in about 3 days
 - Discomfort is intense, but short
- Tapering 
 - Count number of cigarettes
 - Cut down one per day
 - Put money aside for each not smoked
 - Try out coping techniques

Suggest FDA-Approved Medications

- Nicotine Replacement Therapy
 - Nicotine Gum
 - Nicotine Inhaler
 - Nicotine Lozenge
 - Nicotine Nasal Spray
 - Nicotine Patch
- Non-Nicotine Therapy
 - Zyban or Bupropion SR
 - Chantix or Varenicline



Don't smoke... Vape!

E-Cigarette

VAPING AND THE E-CIGARETTE

LED battery atomizer cartridge mouthpiece



A battery-powered device that provides inhaled doses of nicotine by delivering a vaporized propylene glycol/nicotine solution.

Marketed as being less harmful than traditional cigarettes.
Not approved by FDA
No studies provide evidence that it is safe.



More on E-Cigarettes

- 2003 Developed by a Chinese druggist (Hon Lik)
- 2004 introduced in China and 2005 abroad
- Do not contain any health warnings
- Not endorsed by any health organizations
- Banned in Canada and other countries

- Five main ingredients:
 - Nicotine
 - Water
 - Propylene glycol or diethylene glycol
 - Glycerol
 - Flavoring
 - Also have found Nitrosamines (carcinogen) and tetramethylpyrazine (can result in brain damage)
- Flavors may promote use in kids/nonsmokers
- Less expensive than cigarettes
- Some people may smoke more some may quit smoking with e-cigarettes

- Some people are substituting liquid THC, a popular potent marijuana resin for liquid nicotine
- Liquid nicotine itself is toxic and can be dangerous
- Small study in Greece (Vardavas, et al) – 30 people used e-cigarette and after 5 minutes as measured by several breathing tests, showed:
 - signs of airway constriction
 - inflammation

Summary on Tobacco

Why should clinicians address tobacco?

- Tobacco users expect to be encouraged to quit.
- Screening for tobacco use and providing tobacco cessation counseling are positively associated with patient satisfaction (Barzilai et al, 2001)

Failure to address tobacco use silently implies that quitting is not important

Helping Patients Quit is a Clinician's Responsibility

Tobacco users don't plan to fail.

Most fail to plan

Clinicians have a professional obligation to address tobacco use and can have an important role in helping patients plan for their quit attempts.

The DECISION to quit lies in the hands of each patient.

- Tobacco screening and referral can be easily accomplished at a dental appointment.
- If a patient relapses it is not an indication of personal failure of the patient or the clinician.
- There is substantial evidence that even brief smoking cessation counseling can be effective.
- FAX referral is an effective method of getting tobacco users help to stop.

Make a Commitment

- Address tobacco use with all patients
- At a minimum make a commitment to incorporate brief tobacco interventions as part of routine patient care
- Ask, Advise, Assess, Assist, Refer.

Dr. Gor Harlem Bruntland, Former
Director-General of the WHO

- "If we do not act decisively, a hundred years from now our grandchildren and their children will look back and seriously question how people claiming to be committed to public health and social justice allowed the tobacco epidemic to unfold unchecked."

USDHHA (2001). Women and Smoking. A Report of the Surgeon General. Washington DC. PHS.

Role of the Oral Health Professional in Screening for Tobacco Use and Hypertension



A Demonstration Project
funded by CDC and IDPH

Christopher Squier
Nancy Slach

University of Iowa College of
Dentistry

Chronic Disease Prevention Initiative

A new initiative from



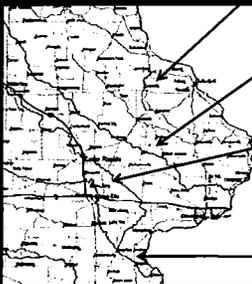
and



Project Details

- To demonstrate feasibility of assessing blood pressure and tobacco use among patients and making appropriate referrals for intervention in 4 Iowa dental practices.

Phase 1



Stonecreek Dental, Dyersville
Dr Brian James, Dr Nathan Hall

Monticello Family Dentistry
Dr Brian James
2 dental hygienists 4 assistants

North Liberty Dental
Dr Debra Carneol, Dr Lori Fridrich,
Dr Nancy Hart, Dr Kristen
Waldschmidt
6 dental hygienists 6 assistants

Columbus City
Dr William Weaver
2 dental hygienists 2 assistants

Phase I – Results

What do oral health professionals do?

	Do you ask?	Do you measure?	Do you record?	Do you advise?
1 Do you specifically ask patients questions relating to blood pressure when taking a medical history?	44	35	21	
2 Do you measure blood pressure on your patients?	18	38	44	
3 Do you record patients' blood pressure?	26	26	44	
4 If patients have high blood pressure, do you advise them about the ill effects?	24	47	29	
5 Do you advise patient to contact their physician after detecting high blood pressure?	65	15	21	
6 Do you specifically ask patients about tobacco use when taking a medical history?	41	26	29	
7 Do you record your patients' tobacco use?	41	29	26	
8 If patients use tobacco, do you advise them of the ill effects?	47	29	21	
9 Do you advise patients who use tobacco to contact the Quitline?	12	15	65	60

Baseline Data

1644 patients screened for the study until now

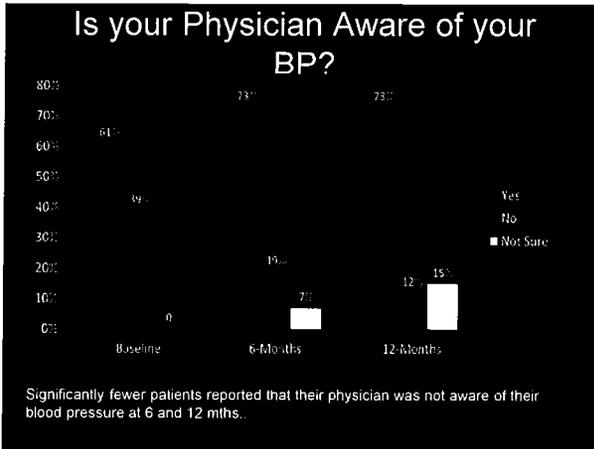
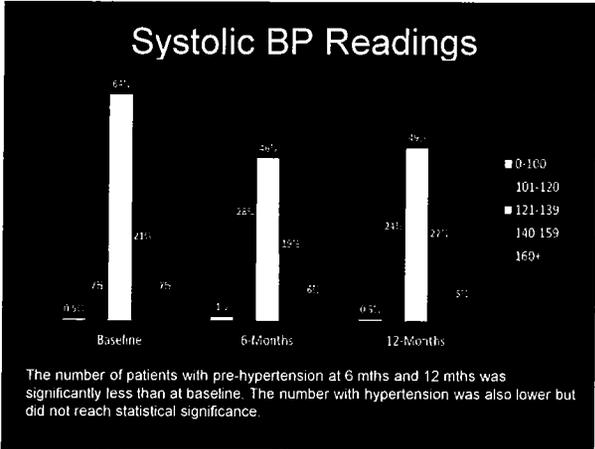
Gender

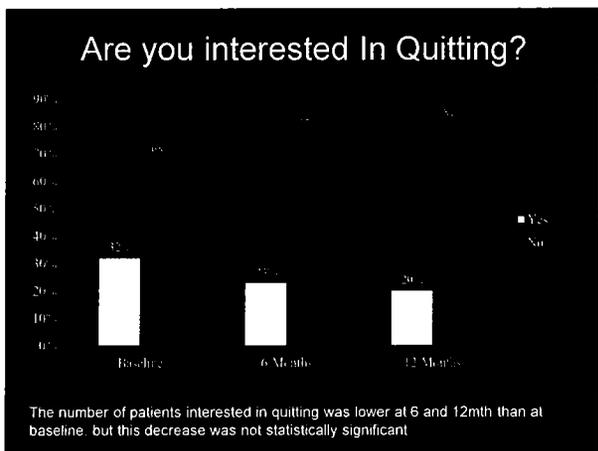
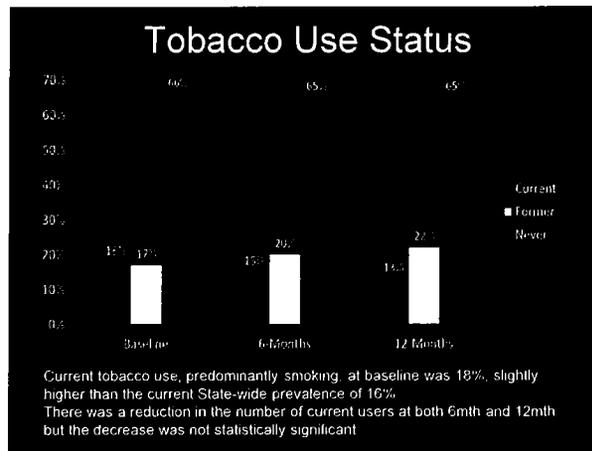
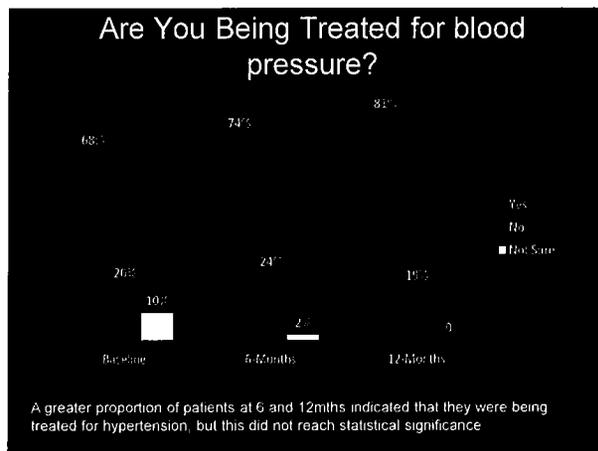
- Males=44%
- Females=56%

Age

Mean=44years

What did we find?





- ### Practical Issues Encountered During Study
- Readiness of patients to be screened in the dental office
 - Need to inform patients to not smoke or take caffeine before monitoring (but continue to take BP meds before coming to dental office)
 - Dealing with the issue of White-Coat hypertension
 - Difficulty of monitoring BP when patient is wearing heavy winter clothing

Practical Issues Encountered During Study

- Incorporating blood pressure and tobacco use data on HH form
- Lack of education materials/brochures to support role of oral health professionals in screening patients for hypertension.
- Size of practice matters
- Overburdened hygienists
- Dentists not involved in screening and need to be supportive of hygienists who are

Questions?



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AUG 2 REC'D

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Kiess Kraft Dental Lab

Address: 6601 S 118th St Omaha, NE 68137

Phone: 402 391-8424 Fax: 402 331-3143 E-mail: Cjmiller@KiessKraft.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify): Lab

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title:

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: 8/24 8/25 Hours of instruction: 8 hrs Fri 5 hrs Sat

7. Provide a detailed breakdown of contact hours for the course or program:

See Attached

8. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

See Attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: _____

Title: _____ Phone Number: _____

Fax Number: _____ E-mail: _____

Address: _____

Signature: _____ Date: _____

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Plan on attending this seminar:

Fundamentals of Dental Sleep Medicine

8 Hours of CE Credit for only \$195

Dental Sleep Medicine is one of the fastest growing areas of dentistry. It allows you to add a new profit center while decreasing stress, increasing job satisfaction, and dramatically improving patient's lives.



What you'll learn in this course from Some of the country's leaders in Dental Sleep Medicine:

- What you need to know about Snoring and Obstructive Sleep Apnea (OSA) including physiology, terminology, risk factors, signs, symptoms, prevalence, patient screening and diagnosis.
- Treatment protocols—from screening to completion- how to identify and successfully treat patients with OSA.
- When, how & why of several different types of Dental Appliances and how to manage the possible side effects.
- Being profitable in dental sleep medicine: setting fees, utilizing staff and handling medical insurance coding and procedures
- Develop a medical referral base—networking with sleep centers and physicians to bring the best treatment solutions to you patients.

Dr. Richard Drake:

Dr. Drake has served as President-Elect and Secretary/Treasurer of the American Academy of Dental Sleep Medicine, is a Diplomate of the American Board of Dental Sleep Medicine, and is a clinical Assistant Professor at the Center for Sleep Medicine at the University of Texas Health Science Center at San Antonio.

Dr. Gy Yatros:

Dr. Guy Yatros has been practicing sleep dentistry for over 10 years with offices devoted exclusively to the treatment of sleep disordered breathing. Dr. Yatros is a Diplomate of the American Board of Dental Sleep Medicine and is an Affiliate Assistant Professor of the Department of Internal Medicine with the University of South Florida, College of Medicine.

When: Friday, August 24, 2012

Time: 8:00-8:30AM Registration

8:30- 5PM course lecture

Continental breakfast, snacks, and lunch inc.

Where: Kiess Kraft Dental Lab

Conference Room

6601 South 118th St Omaha, Ne

Tuition: Dentist \$195

Staff \$95

8 CE Credits

Registration: 402.391.8424

800.553.9522 or

Chey Miller—chey@kiesskraft.com

Carol Miller—cjmiller@kiesskraft.com

Saturday, August 25, 2012:

Sign up also for the additional hours of hands-on credit that includes your own TAP & EMA appliances and a one-night MediByte Home Sleep Test.

Availability is extremely limited.

Includes 4 Hrs participation Credit

1 Hour lecture CE Credit

\$1495 for both Friday and Saturday

Advance registration and payment required. Refund and cancellation policy in effect. Full refunds up to 7 days before event.



Kiess KRAFT
Dental Laboratory

402.391.8424 800.553.9522

BRAEBON

For Today's Business of Sleep™



Approved PACE Program Provider
FAGD/MAGD Credit
Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement
6/30/2010 to 6/29/2014

218337

RECEIVED

SEP 22 2012

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Kiess Kraft Dental Lab
Address: 6601 S 118th St Omaha, NE 68137
Phone: 402-391-8424 Fax: 402-331-3143 E-mail: Cjmillar@KiessKraft.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify): Dental Lab

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: See Attached Invitation

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: Oct. 11, 2012 Hours of instruction: 2

Handwritten notes: CK# 1150259 \$10.00

7. Provide a detailed breakdown of contact hours for the course or program:

See invitation

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

See invitation

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Carol Miller

Title: HR/ Marketing Phone Number: 402-391-8424

Fax Number: 402 331-3143 E-mail: Cj.miller@KiessKraft.com

Address: 6601 S 118th St Omaha NE 68137

Signature: Carol Miller Date: 9/18/2012

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

A Continuing Education Seminar:

Occlusion As a Risk Factor Affecting Periodontal Treatment Outcomes

Presented by Martha Nunn, DDS, PhD

And Dr. Takinari Miyamoto

Sponsored by Kiess Kraft Dental Lab and Metro West Dental

Inflammatory periodontal disease usually requires lifelong management and often includes non-surgical, surgical, pharmacological and host modulation interventions.

These therapies may have varying outcomes depending on the patient's medical status, medications, lifestyle risk factors and occlusal factors. The presenters will give an in-depth review of the current evidence related to the role of occlusion in relation to the progression of periodontal disease as it relates to patient's care and management.

Educational Objectives:

- Understand the rational of primary and secondary trauma from occlusion
- Understand the impact of occlusal trauma in relation to the progression of periodontal disease
- Discuss the relationship between trauma from occlusion and periodontal disease and how to manage patients who are at increased risk

When: Thursday, October 11, 2012

Where: Kiess Kraft Dental Laboratory
6601 South 118th Street
Omaha, NE 68137

Time: 6:00 to 8:00 PM
Light Dinner included

Tuition: Complimentary

RSVP: Metro West Dental- 402-614-7022
Kiess Kraft Dental Lab 402-391-8424

2 CE credits applied for in NE & IA

Speakers: Martha E. Nunn, DDS, PhD



Dr. Nunn is an Associate Professor, Department of Periodontics; Director, Center for Oral Health Research

School of Dentistry -Chairman, Academic Partners, Centers for Promotion of Health and Health Equality ;School of Medicine - Creighton University



Dr. Takanari Miyamoto received his dental degree from Creighton University, MS degree from Boston University and PhD from Nihon University. He serves as

Creighton's Department Chairman, Director of Pre-doctoral Periodontics.



Kiess Kraft Dental Lab has been designated an approved Program Provider by the Nebraska constituent of the Academy of General Dentistry. This Program Provider's formal CE programs are accepted by the AGD for membership maintenance, Fellowship and Master credits. The current term of approval extends from June 30, 2010 to June 30, 2014. AGD Provider # 218337

Kiess KRAFT
Dental Laboratory

6601 South 118th Street Omaha, NE 68137

402.391.8424 800.553.9522

www.kiesskraft.com

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AUG 29 REC'D

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Oral Surgeons PC Implant Institute
Address: 7400 Fleur Dr. Suite 200 DM 50331
Phone: (515) 274-0196 Fax: (515) 274-1472 E-mail: rceynare@oralsurgeonspc.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Military
- Other (please specify): Implant Institute - educational branch of practice

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV)
- Participation
- Discussion
- Demonstration

4. Course Title: Digital Dentistry (Technology in the Office & Dental Lab)

5. Course Subject:

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

6. Course date: Monday, Sept 10 Hours of instruction: 2

7. Provide a detailed breakdown of contact hours for the course or program:

See attached

To Be held on Monday, Sept 10th 6:30pm
@ our Fleur Drive Conference Rm

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Justin McElroy - see attached

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Ronda Ceynar, CDA, RDA

Title: Professional Relations Coordinator Phone Number: 274-0796

Fax Number: 274-1472 E-mail: rceynar@oralsurgeonspc.com

Address: 3940 Ingersoll Ave. DM 50312

Signature: Ronda Ceynar CDA Date: 8-28-12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

Digital Dentistry

(Technology in the Office and Dental Lab)

Presented by: Justin McElroy

Course Outline

Objective: To educate dentists about the advances made in Intraoral scanning, 3d design and manufacturing in the dental lab.

1. Introduction:

A. Who is Midwest Dental Arts

2. CAD/CAM Design

A. 3 Shape Technology

B. Nobel Biocare 4.0

C. Straumann Cares Scanner

3. 5 axis Milling

A. Types of Mills

B. Products and Materials

4. 3D printing

A. Types of Printers

B. How the process works

C. Indications and Applications

5. Intraoral Scanning

A. Types of Scanners on the Market

1. Cerec, iTero, Trios and Lava COS

B. Capabilities and Ease of Use

C. Implant Scan Bodies

D. Files Sharing

E. Clinical Cases

6. Restorative Materials

A. How to select and apply

B. Indications

C. Case studies

Conclusion: Reiterate the purpose and importance of digital dentistry.

Curriculum Vitae

Name: Justin McElroy

Address: 16321 Ames Aves

Omaha, NE

402-490-1849

midwestdentalarts@gmail.com

Education:

College: University of Nebraska-Omaha

Degree: Biology (2005)

Employment Experience:

2005-2012- Midwest Dental Arts: Full service dental lab specializing in implant restorations and CAD/CAM restorations.

Work as an outside sales representative for Midwest Dental Arts in Swisher, Iowa.

My objective is to educate dentists on technology in the lab and office with Intraoral Scanning technology.

Advise dentists about restorative options.

Example: ips e.max, full zirconia, porcelain to specific substructures and custom abutments

Academic Experience:

Sponsor and lecture Restorative Study Club in Cambridge, MA (2009-Present)

Lectured at UMKC and UNMC on Dental Lab Technology

Hour Presentations for Private Practice GP's on restorative materials and implant abutments

Attended many CE courses across the US and Canada

Professional Organizations:

Currently belong or have belonged to: LMT (lab management), AACD(American Academy of Cosmetic Dentistry), AAID (American Academy of Implant Dentistry), ICOI (International Congress of Oral Implantologists), AO (Academy of Osseointegration, ACP(American College of Prosthodontics) and Restorative Study Club of Cambridge.

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SEP 15 REC'D

IOWA DENTAL BOARD

APPLICATION FOR POST APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
Phone (515) 281-5157
www.dentalboard.iowa.gov

NOTE: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Course Title: Medical emergencies in the dental office
2. Course Subject:
 - Related to clinical practice
 - Patient record keeping
 - Risk Management
 - Communication
 - OSHA regulations/Infection Control
 - Other: _____
3. Course date: 9.12.12 Hours of instruction: 3
4. Provide a detailed breakdown of contact hours for the course or program:

1 hour of patient evaluation; signs and symptoms of
emergencies; 2 hours of hands on use of emergency
equipment and practice a variety of emergency scenarios.
5. Name of course sponsor: Spring Park Oral & Maxillofacial Surgeons, PC
Address: 5345 Spring Street
Davenport, IA 52807
6. Which of the following educational methods were used in the program? Please check all applicable.
 - Lectures
 - Home study (e.g. self assessment, reading, educational TV)
 - Participation
 - Discussion
 - Demonstration

CK# 70625
\$10

7. Provide the name(s) and briefly state the qualifications of the speaker(s): _____
Shawn J. Bailey, DDS, MS. private practice in
Oral Surgery since 1998 - board certified in
Oral and Maxillofacial Surgery
8. Please attach a program brochure, course description, or other explanatory material.
9. Name of person completing application: Glenna Kohlmeyer
Title: front office supervisor Phone Number: 563.359.1601
Fax Number: 563.355.7111 E-mail: sposgk@hotmail.com
Address: 5345 Spring St., Davenport, IA 52807
Signature: Glenna Kohlmeyer Date: 9.10.12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov. Continuing education guidelines and rules are also available on the Board's website. A course is generally acceptable and does not need to go through this formal approval process if it is directly related to clinical practice/oral health care.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE** PER COURSE TO:

**Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687**

Spring Park Oral & Maxillofacial Surgeons, P.C.
5345 Spring Street
Davenport, IA 52807

Presents:

"Medical Emergencies in the Dental Office"

Presented by Shawn J. Bailey, D.D.S., M.D.
September 12, 2012
1:00 P.M.- 4:00 P.M.

❖ Syncope

Causes, Monitoring and Management

❖ Airway Emergencies

Causes, Recognition, Initial Management and Monitoring

❖ Advanced Airway Techniques

Bag-valve mask
Non-rebreather mask
Laryngeal mask airway
Endotracheal intubation
Retrograde intubation
Cricothyroidotomy
Medical adjuncts
Securing airways/avoiding dislodgement
Techniques to verify airway placement

Three continuing education units will be awarded to participants.

RECEIVED

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

SEP 29 2012

IOWA DENTAL BOARD

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Suzanne Stock

Address: 1031 Wade St, Iowa City, IA 52240

Phone: (319) 338-8658 Fax: (319) 337-2945 E-mail: dr.ss@southeastiowaorthodontics.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify): private practitioner

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title: Topics in Human Head and Neck Anatomy

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: April 4, 2013* Hours of instruction: 2

*tentative, subject to space availability and approval of this form

CK# 24102
#10

7. Provide a detailed breakdown of contact hours for the course or program:

1 hour 45 minutes of human head and neck
anatomy lecture, 15 minutes of questions
and discussion

8. Provide the name(s) and briefly state the qualifications of the speaker(s):

Dr. Nathan Holton, phd physical anthropology,
instructor for human gross anatomy course for
dental students (also my husband)

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Suzanne Stock

Title: ortho dentist Phone Number: (319) 338-8658

Fax Number: (319) 337-2945 E-mail: dr.ss@southeastiowaorthodontics.com

Address: 1031 Wade St, Iowa City, IA 52240

Signature:  Date: 9-18-12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED **\$10 FEE PER COURSE** TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

REPORT TO THE CONTINUING EDUCATION ADVISORY COMMITTEE (CEAC)

DATE OF MEETING: October 16, 2012
RE: **Committee Procedures**
SUBMITTED BY: Melanie Johnson, Executive Director; Angela Davidson,
Administrative Assistant; Christel Braness, Program Planner
ACTION REQUESTED: Recommendation on Request for Reconsideration

Topic(s) for Committee Review

Periodontal Specialists has asked for a reconsideration for credit for the course “Setting Your Team on Fire for Patient Care.” The Committee awarded the course 3 hours of credit.

Periodontal Specialists is asking that the course be reconsidered for full credit – 6 hours. Should the course be awarded the additional hours for credit based on the letter of explanation from Periodontal Specialists?

Attached for Review

- ❖ Letter from Periodontal Specialists Requesting Reconsideration
- ❖ Portion of July 2012 Minutes with Motion to Grant Partial Credit
- ❖ Original Course Submission

NORTH IOWA PERIODONTICS

Gene J. Fortman, D.D.S., M.S.D.

Practice Limited to Periodontics

August 8, 2012

Iowa Board of Dentistry
Attn: Angle

Dear Angle,
Thank you again for returning my call regarding the presentation to be given by Dr. Levin on September 20, 2012.

The objective of Dr. Levin's presentation to the Iowa Dentists, Dental Hygienists, and Dental Assistants is to be certain that all members of the dental team are fully aware of the relationship between good dental health and the patient's over-all systemic health, as well.

Specifically, Dr. Levin will be addressing how the dental team can communicate more effectively with their patients so that the patient fully understands the general health benefits that a dental procedure can give to them. Dr. Levin will emphasize that all of the team members must fully understand not only the dental benefits to be derived for a dental procedure, but also how they are performed and why the procedures are important for the patient's over-all health.

Particular emphasis will be placed on the periodontal/systemic disease connection, as well as the ADA carries risk assessment and how team members can fully relate to the patient so that they can understand the need for the specific treatment procedures. Communication of the dental/systemic connection can be verbal, written in the form of brochures and handouts to the patient, as well as with the use of newer technology such as the Inter-oral camera and video presentations in the operator or the waiting room.

Lastly, Dr. Levin will stress that each team member needs to identify and then use their strengths to help patients to make the needed dental treatment decisions that will ultimately enhance their systemic health as well as their quality of life ongoing.

Hopefully this additional information can be helpful to support our request for 6 hours of continuing education credit for the Iowa Dentists, Dental Hygienist and Dental Assistants. If it would be possible to call me at my Mason City office at (641) 424-0301 with your decision regarding the credits that will be allowed, I would greatly appreciate it. Thank you for your consideration.

Sincerely,


Gene J. Fortman, D.D.S.

DDS



FAX TRANSMISSION

From:
 Gene J. Fortman
 Forest Park Medical Building
 1010 4th Street S.W.
 Mason City, Iowa 50401
 Phone: (641) 424-0301
 Fax: (641) 424-0302

To:
 *Dana Dental Board
 Attn: Angie
 (515) 281-7969

Pages including cover: 2

Special Instructions:

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There weren't any prior minutes of the Committee to review.

CONTINUING EDUCATION COURSE APPLICATIONS

- *Iowa Department of Public Health: "I-Smile Oral Health Coordinator Meeting"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course as submitted by the Iowa Department of Public Health. Motion APPROVED unanimously.
- *Spring Park Oral & Maxillofacial Surgeons: "Abutment Selection and Digital Impressioning with Implants"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for two (2) hours as submitted by Spring Park Oral & Maxillofacial Surgeons. Motion APPROVED unanimously.
- *Kiess Kraft Dental Lab: "When Bad Implants Happen to Good People"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for four (4) hours as submitted by Kiess Kraft Dental Lab. Motion APPROVED unanimously.
- *Iowa Head Start Association: "Healthy Smiles"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to DENY credit for the course as submitted by the Iowa Head Start Association due to information provided by the sponsor, which suggested that the course's primary audience was teachers and not dental practitioners. Motion APPROVED unanimously.
- *Eastern Iowa Community College: "TMJ/TMD – What Is It & What Do I Do Now?"*
- ❖ MOVED by CACIOPPO, SECONDED by ELMITT, to APPROVE the course for two (2) hours as submitted by Eastern Iowa Community College. Motion APPROVED unanimously.
- *Periodontal Specialists: "Setting your Team on Fire for Patient Care"*

Ms. Cacioppo questioned the eligibility of a portion of the course, which appeared to focus on intra-staff and business communication. Ms. Jane Slach had the same concerns. Ms. Slach indicated that partial credit would be appropriate.

- ❖ MOVED by Ms. J. SLACH, SECONDED by CACIOPPO, to APPROVE the course for three (3) hours as submitted by Periodontal Specialists. Motion APPROVED unanimously.

RECEIVED

JUN 4 2012

IOWA DENTAL BOARD

APPLICATION FOR PRIOR APPROVAL OF CONTINUING EDUCATION COURSE OR PROGRAM

IOWA DENTAL BOARD
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687
515-281-5157
www.dentalboard.iowa.gov

Note: A fee of \$10 per course is required to process your request. PLEASE TYPE OR PRINT.

1. Name of organization or person requesting approval: Periodontal Specialists
Address: 2647 Superior Dr. NW Rochester, MN
Phone: (507) 281-3524 Fax: (507) 292-9344 E-mail: mharts@chartermi.net

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
Dental School
Dental Hygiene School
Dental Assisting School
Military
Other (please specify): Specialty Dental Office

3. Which of the following educational methods will be used in the program? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV)
Participation
Discussion
Demonstration

4. Course Title:

5. Course Subject:

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

6. Course date: Thursday, Sept 20 2012 Hours of instruction: 6

7. Provide a detailed breakdown of contact hours for the course or program:

8-8:30 Registration
8:30-11:30 Presentation
11:30-1:00 Lunch
1:00-4:00 Presentation

8. Provide the name(s) and briefly state the qualifications of the speaker(s): _____

Dr. Roger Levin, DDS, Periodontist
CEO Levin Group, contributor to
several major dental journals and
advisor to several dental associations

9. Please attach a program brochure, course description, or other explanatory material.

10. Name of person completing application: Marsha Hartman

Title: CE Coordinator Phone Number: 507-281-3524

Fax Number: 507-292-9344 E-mail: mhart@chartermi.net

Address: PO Box 9248 Rochester, MN 55903

Signature: M. E. Hartman Date: 5-21-12

Board rules specify that the following subjects are NOT acceptable for continuing education credit: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

If the course was offered by a Board approved sponsor, you should contact the sponsor directly for approval information, rather than submitting this form. A list of approved sponsors and contact information is available on the Board website at www.dentalboard.iowa.gov.

You will be contacted after the Continuing Education Advisory Committee has reviewed your request. Please allow a minimum of two to three weeks for a response.

MAIL COMPLETED APPLICATION ALONG WITH THE REQUIRED \$10 FEE PER COURSE TO:

Iowa Dental Board
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, Iowa 50309-4687

“Setting Your Team on Fire for Patient Care”

Dr. Roger Levin

Dr. Levin will discuss:

1. Getting your team “on the same” page for patient treatment. Does the team know what procedures you do in your office, how they are done and most of all, why?
2. How do we communicate the treatment procedures to our patients? Do we use the latest information (ie systemic disease/periodontal disease, caries risk)?
3. Use of technology for procedures and for educating our patients.
4. Use each team members strengths to encourage patients to accept the treatment they need and enhance their overall health as well as their quality of life

Sponsor

American Dental Assistants Association
American Dental Institute
Clinton County Dental Study Club
Continuing Education Studies, Inc.
CPR and the Works
Creighton University School of Dentistry
Delta Dental of Iowa
Des Moines County Dental Society
Des Moines District Dental Society
Dickinson County Dental Society
Dynamic Dental Educators
Eastern Iowa Community College District
Fort Dodge District Dental Society
Fort Dodge District Dental Society Study Club
Frank I. Molsberry Study Club
Great River Oral & Maxillofacial Surgery, P.C.
GSC Home Study Courses
G.V. Black Dental Study Group of Des Moines
Health Studies Institute
Homestead Schools, Inc.
Iowa Study Club
Institute for Natural Resources
Iowa Academy of General Dentistry
Iowa Dental Assistants Association
Iowa Dental Association
Iowa Dental Hygienists' Association
Iowa Lakes Community College
Iowa Society of Orthodontists
Iowa Western Community College
Kirkwood Community College
Linn County Dental Society
MetLife
Midwest Dental
Midwest Gnathostatic Research and Study Group
Northeast Iowa Community College
Oral Arts Dental Laboratory
Oral Surgeons, PC
Oral Surgery Associates of Iowa City
Patterson Dental
Proctor and Gamble Company
Scott County Dental Society
Sioux City Dental Society
Spring Park Dental Implant Study Club
Tall Corn Dental Symposium
Ultradent Products, Inc.
University District Dental Society

Contact Person

Jen Blake
Sharon Peterson
Philip Schmitt, D.D.S.
Ruth Ludeman
Anita Siddall
Marletta McKercher
Ed Schooley, D.D.S.
Bobbi Laun, D.D.S.
Thomas Becker, D.D.S.
Craig Newell, D.D.S.
Mark Taris
Mary Briones
Robert Ronconi, D.D.S., F.A.G.D.
Chris Bogue, D.D.S.
Gary Colwell, D.D.S.
Beth Mohr
Sharon Peterson
Sara Lukan, D.D.S.
Tracy Okeefe
Vijay Fadia
David Botsko, D.M.D.
Kayle Finley
Julie Berger-Moore
Patti Ensey, C.D.A., R.D.A.
Suzanne Lamendola
Brenda Platz, R.D.H.
Rosemary Coleman
Clayton T. Parks, D.D.S.
Teresa Roddy
Laura Daman, R.N.
Shawn Ray, D.D.S.
Marianne Mitchell
Angela Michlig
Steven Rabedeaux, D.D.S.
Dena Stolze, Health Program Manager
Steven Derby
Ronda Ceynar, C.D.A.
Janet Major
Lynn Wirth
Nancy Richter
Danae Krutzfeldt, D.D.S.
Clinton Norby, D.D.S.
Glenna Kohlmeyer
Larry Alquist, D.D.S.
Christa Lee Durrant
David Hansen, D.D.S.

Sponsor

University of Iowa College of Dentistry
UNMC College of Dentistry Continuing Education
Western Iowa Technical Community College
Zila

Contact Person

Penni Ryan
Mary Lynn Froeschle
Don Young
Jennifer Hunt

Updated October 9, 2012

SPONSOR RECERTIFICATION APPLICATION

AUG 24 REC'D

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: American Dental Assistants Association

Contact Person: Jen Blake Phone: 317-858-8321 Fax: 317-852-3452

Address: 4557 Dogwood Lane E-mail: jenblakecda@indy.rr.com
Brownsburg, IN 46112

2. Name of Current Officers, Title, Address, Phone:

Claudia Pohl, President, Alta Loma, CA 951-255-8512

Carolyn Breen, President-Elect, Holmdel, NJ 908-616-5917

Lori Paschall, Vice President, Irmo, SC 803-422-9595

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Jen Blake Phone: 317-858-8321 Fax: 317-852-3452

ADAA
Full Address: 35 E Wacker Dr, Ste 1730 Chicago IL 60601

Internet Address: www.dentalassistant.org E-mail: jenblakecda@indy.rr.com

4. How many courses, meetings or programs did your organization sponsor last year? _____

5. How many courses, meetings or programs do you anticipate sponsoring this year? _____

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

32838

CONTINUING EDUCATION PROVIDER BIENNIAL REPORT
STATE OF IOWA
IOWA DENTAL BOARD
2012

Name of Course

Dental Assistant Learning in the Round

Date(s) Course Offered

Number of Units Granted

1-21-10; 1-21-10; 2-26-10; 3-25-10; 3-26-10; 3-27-10; 4-22-10; 5-06-10; 5-08-10; 10-09-10; 10-10-10; 11-28-10; 11-29-10; 1-13-11; 1-14-11; 1-27-11; 1-28-11; 1-29-11; 2-25-11; 3-24-11; 3-25-11; 3-26-11; 5-5-11; 5-7-11; 10-10-11; 11-27-11; 11-28-11	3
--	---

Name of Instructor

Jen Blake, CDA, EFDA, MADAA

Describe Qualifications of Instructor

CDA, EFDA, MADAA, ADAA Director of Education & Professional Relations

Summary of Course Content

Participation in hands on learning experience in new materials and procedures

Name of Course

Temporary Crowns and Bridges Made Easy

Date(s) Course Offered

02-25-10; 02-26-10; 02-25-11

Number of Units Granted

1

Name of Instructor

Debra Stewart, DDS

Describe Qualifications of Instructor

DDS – national speaker

Summary of Course Content

Explore different techniques and various materials used in fabrication of temporary crowns and bridges

Name of Course

Ready for Sealants

Date(s) Course Offered

02-25-10; 02-26-10; 02-27-10

Number of Units Granted

1

Name of Instructor

Shirley Gutkowski, RDH, BSDH, FACE

Describe Qualifications of Instructor

RDA, BSDH, FACE - speaker

Summary of Course Content

Participation in hands on learning on preparing the tooth for sealant

Name of Course

Effective and Efficient Infection Control

Date(s) Course Offered

Number of Units Granted

02-25-10; 02-26-10; 02-27-10; 02-24-11; 02-25-11; 02-26-11

1

Name of Instructor

Jackie Dorst, RDH, BS

Describe Qualifications of Instructor

RDH, BS – international speaker

Summary of Course Content

Participation in hands on learning experience with different infection control products

Name of Course

Light Cured Custom Impression Trays

Date(s) Course Offered

Number of Units Granted

02-25-10

1

Name of Instructor

Candy Ringel, CDT, MPM

Describe Qualifications of Instructor

CDT, MPM - instructor

Summary of Course Content

Demonstrate of making custom tray and its importance to actuate impressions

Name of Course

Remineralization and ACP: Sealants, Cements and Adhesives

Date(s) Course Offered

Number of Units Granted

02-27-10

1

Name of Instructor

Mary Govoni, CDA,RDA, RDH, MBA

Describe Qualifications of Instructor

CDA, RDA, RDH, MBA – Featured ADA Seminar Speaker

Summary of Course Content

Overview of advantages of ACP

Name of Course

Women's Cardiovascular Disease

Date(s) Course Offered

Number of Units Granted

02-26-10

1

Name of Instructor

Sheri Doniger, DDS

Describe Qualifications of Instructor

DDS

Summary of Course Content

Types, risk factors, and signs of heart disease in women

Name of Course

Effective and Efficient Infection Control

Date(s) Course Offered

Number of Units Granted

02-25-10; 02-26-10; 02-27-20

1

Name of Instructor

Jackie Dorst, RDH, BS

Describe Qualifications of Instructor

RDH, BS – international speaker

Summary of Course Content

Participation in hands on learning experience with different infection control products

Name of Course

Women's Cardiovascular Disease

Date(s) Course Offered

Number of Units Granted

10-09-10; 10-10-10

1

Name of Instructor

Sheri Doniger, DDS

Describe Qualifications of Instructor

DDS

Summary of Course Content

Types, risk factors, and signs of heart disease in women

Name of Course

Mixing it Up: Keys to a Good Alginate Impression!

Date(s) Course Offered

Number of Units Granted

10-10-10

1

Name of Instructor

Debra Stewart, DDS

Describe Qualifications of Instructor

DDS - lecturer

Summary of Course Content

Demonstration of proper alginate mixing techniques

Name of Course

Remineralization and ACP: Sealants, Cements and Adhesives

Date(s) Course Offered

Number of Units Granted

10-09-10; 10-10-10

1

Name of Instructor

Mary Govoni, CDA,RDA, RDH, MBA

Describe Qualifications of Instructor

CDA, RDA, RDH, MBA – Featured ADA Seminar Speaker

Summary of Course Content

Overview of advantages of ACP

Name of Course

What's New with Pit and Fissure Sealants?

Date(s) Course Offered

Number of Units Granted

10-09-10

1

Name of Instructor

Mary Govoni, CDA, RDA, RDH, MBA

Describe Qualifications of Instructor

CDA, RDA, RDH, MBA – Featured ADA Seminar Speaker

Summary of Course Content

Materials, techniques and trouble shooting

Name of Course

Saliva Testing: SPIT IS IT

Date(s) Course Offered

Number of Units Granted

02-24-11; 02-25-11

1

Name of Instructor

Patricia Pine, RDH

Describe Qualifications of Instructor

RDH – consultant/speaker

Summary of Course Content

Value and techniques of saliva testing

Name of Course

Minor In-Office Denture & Partial Repair

Date(s) Course Offered

Number of Units Granted

02-25-11

1

Name of Instructor

Debra Stewart, DDS

Describe Qualifications of Instructor

DDS - Speaker

Summary of Course Content

Repair cracks and breaks, replace teeth and polish appliances

Name of Course

Why Choose Air Polishing?

Date(s) Course Offered

Number of Units Granted

02-24-11; 02-25-11

1

Name of Instructor

Shirley Gutkowski, RDH, BSDH, FACE

Describe Qualifications of Instructor

RDH, BSDH, FACE - speaker

Summary of Course Content

Learn effectiveness different compounds have on teeth



AMERICAN
ASSOCIATION

2010 EDUCATION CATALOG

Winter – Spring

Excellence & Professionalism Through Education.



0901 – Power Toothbrushes:
Everything You Need to Know to
Make Informed Recommendations
for Your Patients

0902 – The Business of Dentistry:
Practice Administration

0903 – Diseases of the Teeth and
Jaws

0904 – Guidelines for Infection
Control in Dental Healthcare Settings

0906 – Infection Control in the
Dental Office: A Review for a
National Infection Control Exam

2010 NEW & UPDATED

0907 – The Business of Dentistry:
Patient Records and Records
Management

0908 – Osteoradionecrosis: Oral
Health and Dental Treatment

0909 – Digital Imaging Techniques
and Error Correction

0910 – The Flu...And You: A Novel
Challenge with 2009 H1N1 Influenza

0912 – Maxillofacial Surgery Basics for
the Dental Assistant – Part II

0913 – The Dental Assistant's Role in
Identifying and Preventing Family
Violence

0914 – Understanding the Dangers
and Health Consequences of Spit
Tobacco Use

1001 – Maintaining Proper Dental
Records

The American Dental Assistants Association Foundation thanks the following companies and organizations for their generous contributions that have aided in the funding of quality educational activities throughout the year.

3M ESPE

A-dec

American Dental Cooperative

Belmont Publications

Benco Dental

Cetylite Industries, Inc

Colgate Oral Pharmaceuticals

Coltene Whaledent

Crosstex International

Danville Engineering & Materials

Darby Dental

DentalEZ Group

Dentalworkers

Dentsply Professional

Dentsply Rinn

DMG America

Dux Dental

GC America, Inc

Harry J Bosworth Company

Henry Schein Dental

Henry Schein Practice Solutions

Hu-Friedy Manufacturing Company

Ivoclar Vivadent, Inc

LLM & Associates

Nash Institute for Dental Learning

Patterson Dental

PennWell Publishing

Pentron Clinical Technologies

Premier Dental Products

Procter & Gamble Crest Oral-B

Pulpdent Corporation

Sci Can

SDS Orascoptic

SDS Total Care

Septodont

ShoFu Dental Corporation

Sonicare-Philips Oral Healthcare

SPS Medical

Sultan Healthcare, Inc

Sunstar Americas, Inc

TIDI Products

Tom's of Maine

Ultradent Products, Inc

Vident

Whip Mix

Young Dental/Biotrol

Zirc Company

Thank You

2010 brings many exciting changes to ADAA Continuing Education. As always you will find a variety of updated and brand new courses as we continue to provide current, high quality information for the dental assisting profession. ADAA courses continue to be geared to all facets of assisting. You will find courses for clinical, business, administrators, and educators in hard copy and online versions.

New in 2010 you will find three tier pricing of our courses. This is to accommodate the new ADAA E-Member. Many times the saving and free courses you receive as a full member more than cover the cost of your membership... and free and reduced pricing on continuing education is just one of the many benefits available. You owe it to yourself to check out this opportunity as well.

For all our loyal and new customers – in 2010 there will be no grading fee! Whether you purchase online or by hardcopy. That is a \$10.00 savings on each course alone.

Be sure and check www.adaa1.com on a quarterly basis, as new courses will be added as they become available. As a fellow dental assistant, I admire your dedication to quality CE, your patients and your practice.

-Jen Blake, CDA, EFDA, MADAA, Director of Education and Profession Relations.

COURSES

Prices and course offerings are valid from 01/01/2010 thru 06/01/2010

INTRAORAL FUNCTIONS

Power Toothbrushes: Everything You Need to Know to Make Informed Recommendations for Your Patients

UPDATED Are you overwhelmed with questions from your patients about power toothbrushes? Feel like you can't keep abreast of the newest products on the market and their effectiveness? This course describes the newest products, safety, selection parameters, and patient instruction. Learn how to locate and use current research to make informed recommendations for your patients. *Sponsored in part from an educational grant from Oral-B.*

Course Number: 0901 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

General Chairside Assisting: A Review for a National Chairside Exam

This course reviews the major aspects of general chairside assisting. It addresses clinical data collection and recording, preventing/managing emergencies, chairside and laboratory materials and procedures, dental instruments, patient education and oral health management, oral anatomy, oral pathology, pharmacology, anesthesia, dental specialties, and office operations. Developed as a preparation aid for the Dental Assisting National Board's General Chairside Exam.

Course Number: 0613 CE Credits: 24
ADAA Member: \$88 E-Member: \$125 Nonmember: \$135

Alginate Impression and Diagnostic Study Model Techniques

Learn step-by-step procedures for taking alginate impressions. Discover alternatives for obtaining bite registrations. Ascertain various ways of creating study models. This comprehensive course combines theory with practical information to teach correct chairside and laboratory procedures and how to manipulate the dental materials involved. Highlights infection control including disinfection protocol, patient preparation, mixing techniques, alginate tray selection and preparation, use of adhesives, seating and removal of impression trays, inspection of impressions, bite registration techniques, gypsum, pouring casts, separating and trimming casts, and finishing and storage of models. *Sponsored in part from an educational grant from DUX Dental.*

Course Number: 0806 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Local Anesthesia in Today's Dental Practice

The success of contemporary dental practice largely hinges on the use of local anesthesia for patient comfort and safety. Dental assistants should have a basic understanding of local anesthesia, proper methods for handling syringes, possible complications, and how to manage emergencies.

Course Number: 0517 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57



The American Dental Assistants Association Foundation was established to fund education and research for all dental assistants. The foundation is a nonprofit organization funded by dental corporations, state and local ADAA components, individual ADAA members and other interested parties. The American Dental Assistants Association wishes to thank all foundation contributors for their support of the dental assisting profession.



Become an ADAA Member and take advantage of the many new benefits the ADAA has to offer, including 4 (four) free CE credits online!

Visit www.dentalassistant.org/join to sign up online.



E-Membership is available to dental assistants in the U.S. and throughout the world... and it's FREE!

E-Membership provides unique benefits and privileges - via e-mail or online.

- Access to a special select online E-Journal subscription, sent electronically.
- E-Newsletters.
- Includes 1 (one) FREE hour of online continuing education (visit site for details).
- E-Retail discounts/continuing education discounts and more.

Visit www.dentalassistant.org

"The people who make dental assisting a profession."

The Use of Pit and Fissure Sealants in Preventive Dentistry

It is the responsibility of dental professionals to assess each patient for possible sealant placement. Long term success of sealants relies heavily on placement technique, patient education, and recare appointments. Types of materials available and placement procedures will also be discussed. *Sponsored in part from an educational grant from 3M ESPE.*

Course Number: 0713 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Wired for Learning — Orthodontic Basics

Orthodontics specializes in the diagnosis, prevention and treatment of dental and facial irregularities, but from a patient's view, it simply creates great smiles! This course introduces the general dental assistant to basics of orthodontics, with the goal of peak interest in this specialty of dentistry, and providing education to springboard an individual considering a career in this specialty.

Course Number: 0813 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Setting it Straight — Advanced Orthodontics

Extending beyond the content covered in the basic orthodontics course, this course includes information on the six keys to occlusion, orthodontic bonding materials and techniques, instrumentation, archwire alloys, early treatment considerations, treatment risks and limitations, and the latest technologies, with the goal of familiarizing dental assistants with the more advanced aspects of orthodontics.

Course Number: 0510 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Maxillofacial Surgery Basics for the Dental Assistant — Part I

This course reviews the role of the dental assistant in preparing a patient for oral surgery procedures, whether performed in the general dental practice or specialty clinic. Areas reviewed include medical assessment, regional surgical anatomy, anesthesia, sedation, and management of hemorrhaging.

Course Number: 0807 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Art and Science of Tooth Whitening

One of the fastest growing areas of esthetic dentistry today is the management of discolored and hypoplastic dentition. Tooth whitening (sometimes referred to as bleaching) is a popular available option. This course will cover whitening success factors, various systems, mechanism of action, and side effects. *Sponsored in part by an educational grant from Ultradent Products.*

*****Available only online at www.adaa1.com*****

Course Number: 0817 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Fabrication of Provisional Crowns and Bridges

This course gives dental assistants the know-how to fabricate temporary crowns and bridges. Includes information on materials, detailed instruction on fabrication techniques, finishing, polishing and cementing procedures. *Sponsored in part from an educational grant from 3M ESPE.*

Course Number: 0810 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Oral Health Maintenance of Dental Implants

With the demand for dental implants rising, techniques — as well as the benefits to patients — have improved. Oral hygiene maintenance by the patient directly affects the prognosis and success of an implant. This course discusses the required long-term professional and home care maintenance to ensure a healthy peri-implant program. Step-by-step procedures for patients are included.

Course Number: 0814 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Dental Implants: A Second Chance at Dental Health

With the increasing popularity of dental implants, the role of the dental assistant has become integral to successful treatment. Learn how to help patients and dentists enjoy the benefits of dental implant therapy. The course covers the history of dental implants, applications for their use in everyday practice, benefits and risks, clinical protocols, and sterilization and handling. A comprehensive overview is designed exclusively for surgical and restorative assistants.

Course Number: 0702 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Maxillofacial Surgery Basics for the Dental Assistant — Part II

UPDATED Independent of Part I in this series, this course reviews the basic principles of oral surgery, including reasons for extractions, basic and surgical techniques, flap designs, management of impacted teeth, and instrumentation. It is designed to give the dental assistant insight into how oral surgical procedures are performed.

Course Number: 0912 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

TREATMENT OF DISEASES/CONDITIONS

Gingival Health — Periodontal Assessment

An introduction to finding, locating, and assessing periodontal diseases. Included is the importance of the initial examination, the recording of in-depth information in the patient record, and types of clinical evidence that can be found on radiographs. Also covered are the pitfalls involved with inaccurate sulcus depth readings, mobility and furcation classifications.

Course Number: 0605 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

ADAA MISSION STATEMENT

"To advance the careers of dental assistants and to promote the dental assisting profession in matters of education, legislation, credentialing and professional activities which enhance the delivery of quality dental health care to the public."

Prevention and Management of Oral Complications of Cancer Treatment: The Role of the Oral Health Care Team

The useful information in this course was drawn from many impressive sources including the National Institute of Dental and Craniofacial Research through its National Oral Health Information Clearinghouse, National Cancer Institute and others. Our course is presented especially for the dental assistant in a clear, precise edited format. Clinical professionals and everyone in the field will welcome the insight into this vital subject.

Course Number: 0801 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Understanding the Dangers and Health Consequences of Spit Tobacco Use

UPDATED While cigarette use is declining among adults and leveling off in teens, spit tobacco consumption is on the rise. Even as the popularity of this known carcinogen reaches record levels among young people, spit tobacco use continues to receive relatively little attention as a public health issue. The dental team is in an ideal position to use the "teachable moments" that occur during a dental visit to counsel patients on the dangers of tobacco use and support them in cessation efforts.

Course Number: 0914 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Understanding Nicotine Addiction and Intervention Techniques for the Dental Professional

In recent years, the stage has been set for all dental professionals to become actively involved as facilitators and leaders in tobacco education and control efforts. The course is designed to teach professionals specific skills they may utilize to help tobacco users become free of their addiction.

Course Number: 0604 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Understanding Meth Mouth and Oral Interventions

Methamphetamines (MA) directly affect a person's health, lifestyle, ability to function and mental status. Unlike many other street drugs, the use of meth is on the rise. Dental professionals must have knowledge of the symptoms of use, possible side effects, drug interactions with medications and dental treatment considerations. This will aid in delivering appropriate dental treatment, intervention, patient education and prevention.

Course Number: 0701 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Blood Pressure Guidelines and Screening Techniques

This course teaches the dental health professional to be aware of the causes of hypertension. It describes the appropriate method of taking blood pressure and how to determine recommendations for follow-up and lifestyle medications for patient treatment.

Course Number: 0809 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

The Dental Assistant's Management of Medical Emergencies

Improve your ability to plan for, manage and handle office medical emergencies as part of the dental team. Includes discussion of the importance of a thorough health history in dealing with medical emergencies, background information on emergencies, vitals and what should be included in office emergency equipment. Also provides scenarios of medical emergency situations and how to handle them.

Course Number: 0803 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Complementary and Alternative Medicine Techniques Available for Dentistry

Complementary and alternative medicine used in dentistry is inclusive of various treatment modalities. Dental patients continue to request these therapies to prevent invasive procedures, relieve anxiety, and save on cost. Various methods of alternative treatment are covered.

Course Number: 0610 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

An Introduction to the Herpes Viruses

The herpes viruses continue to affect patients worldwide. The use of immunosuppressant medications, the AIDS epidemic and crowded living conditions will continue to present a challenge to our healthcare system. Learn the symptoms, epidemiology, transmission, and treatment of various types of herpes viruses. *This course is not approved for credit by the DANB National Board. It is approved for credit through the AGD PACE Program.*

Course Number: 0607 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Oral Cancer Genetics: From Diagnosis to Treatment

Understanding oral cancer genetics can help dental professionals treat patients immediately after diagnosis, during cancer therapy, and after the cancer has been eliminated. Learn to recognize signs and symptoms, the effects of various cancer treatments on the oral cavity, and how to ease patient discomfort.

Course Number: 0706 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Osteoradionecrosis: Oral Health and Dental Treatment

UPDATED Osteoradionecrosis is a potentially debilitating complication of radiation therapy used to treat carcinomas in and around the oral cavity. Diagnosis, pathogenesis, prevention, and treatment are reviewed, including oral health recommendations, and hyperbaric oxygen is described as a preventive and treatment modality.

Course Number: 0908 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

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ADAA LEARNING IN THE ROUND

UPCOMING

- Hinman Dental Meeting, Atlanta, GA March 25-March 27, 2010
- Star of the North Meeting, Minneapolis, MN April 22, 2010
- Texas Dental Association Meeting, San Antonio, TX May 6 & 8, 2010
- ADA/ADAA Annual Session, Orlando, FL October 9-10, 2010
- Greater New York Dental Meeting, New York City, NY November 28-29, 2010

Registration for roundtables are available at each meeting's respective site.
Visit the ADAA website for links.

Eating Disorders — Understanding the Dental Ramifications

An eating disorder is a term used to describe health and psychological disorders characterized by a disturbance in one's attitude and behaviors relating to eating, body weight, body image and thoughts about one's self. There are many different types of eating disorders encountered within the dental field. This course will survey some of the more common disorders encountered in dentistry today.

Course Number: 0611 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Geriatric Dentistry: Reviewing for the Present, Preparing for the Future

The physical and dental characteristics of aging are examined in this course. It reviews medical conditions that affect preventive and restorative treatment and offers a variety of resources for patients with xerostomia and physical disabilities. Understanding these concepts can better prepare dental team members for interaction with this fast growing group of individuals.

Course Number: 0802 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Sports-Related Dental Injuries and Sports Dentistry

Participants learn about soft tissue injuries, jaw fractures, TMJ injuries and other problems related to sports injuries. Emergency treatment is discussed. Statistics relating to sports/dental injuries are presented as well as differentiating mouth guard types available and patterns of wearing by males and females, cultural differences and effect of peer pressure.

Course Number: 0703 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Current Concepts in Preventive Dentistry

Dentistry in the United States today includes preventive practices (prophylaxis, fluoride treatments, full-mouth and bite-wing radiographs, and sealants) and early detection of dental caries and periodontal disease. This course outlines aspects of prevention that dental professionals should address during patient examinations. *Sponsored in part by an educational grant from P & G Crest Oral-B.*

Course Number: 0812 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Inflammation: The Relationship Between Oral Health and Systemic Disease

The purpose of this course is to review how the inflammation process functions in the human body. The role of inflammation in oral and systemic health will be discussed. Translating this information into practical application for dental healthcare professionals will be addressed so that both inquiring patients and astute clinicians can capitalize on the opportunities for improving total health. *Sponsored in part by an educational grant from Colgate.*

Course Number: 0804 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Importance of Oral Hygiene During Orthodontic Treatment

A rigorous oral hygiene regimen during orthodontic therapy is important to help prevent soft-tissue problems. Consideration should be given to including the prophylactic use of antimicrobial rinses. The use of oral medications to relieve pain and promote healing or oral irritations may also be warranted in individual patients. It is important that the clinician obtain patient commitment and adherence to an appropriate oral hygiene regimen. *Sponsored in part by an educational grant from Sunstar Americas.*

Course Number: 0714 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Xerostomia: Recognition and Management

It is important to perform a complete evaluation of the patient with dry mouth, determining, if possible, the cause of the xerostomia so that appropriate management can be instituted in a timely manner. This course will review methods of evaluation for xerostomia and practical measures for management of the patient with dry mouth. *Sponsored in part by an educational grant from Colgate.*

Course Number: 0805 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

RADIOLOGY

Introduction to Basic Concepts in Dental Radiography

Prep for a National Radiology Exam! Included in this fact-filled course are all the basics needed to expose high-quality radiographs. It is the best help a dental assistant can get in prepping for a radiology exam. Learn how to:

- Promote radiation safety
- Mount and label exposed radiographs
- Identify and correct errors related to dental x-ray procedures
- Apply infection control techniques to dental x-ray procedures
- Process radiographic film
- Expose and evaluate dental radiographs; and
- Implement quality assurance procedures in dental radiography facilities.

Course Number: 0715 CE Credits: 18
ADAA Member: \$68 E-Member: \$100 Nonmember: \$110

Diseases of the Teeth and Jaws

UPDATED Learn to recognize the radiographic appearance of dental caries, periodontal disease, periapical pathology, and healing of extraction wounds. This course also focuses on the appearance of conditions such as tooth and bone fractures, developmental anomalies and regressive changes of the teeth, and developmental abnormalities of the skull and jaws.

Course Number: 0903 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75



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Digital Imaging Techniques and Error Correction

NEW

Clinical errors occur as a consequence of improper patient preparation or management, technique and exposure. Correct technique and proper patient management skills are essential to maximize the outcome and the information obtained from digital radiographic images, while at the same time minimizing patient radiation exposure. This course will provide an overview of digital imaging, a review of technique principles and the identification and correction of common errors that occur in digital intraoral and panoramic imaging.

Course Number: 0909 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Intraoral Radiographic Techniques

When examined under proper conditions, diagnostic-quality intraoral radiographs reveal evidence of disease that cannot be found in any other way. The course presents basic principles and concepts of intraoral procedures. Includes discussion of proper techniques for bitewing radiography as well as the use of paralleling and bisecting angle techniques.

Course Number: 0606 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Dental Radiographic Pitfalls and Errors

Operator error is the cause of the majority of dental radiograph re-takes. Operator error can occur while exposing or processing films and is due to incorrect or improper techniques. A routine using correct technique for exposing and processing films is critical to maximizing the information garnered from dental radiographs while minimizing patient exposure to radiation.

Course Number: 0707 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Radiation Biology, Safety and Protection for Today's Dental Assistant

This summary demonstrates how the study of radiation biology began and how radiation safety and protection measures evolved from early research efforts to formally established organizations that examine leading scientific thought and provide guidance and recommendations on radiation protection and measurement. The subsequent information will provide an overview of radiation biology and the safety and protection measures that the dental assistant can implement to reduce radiation exposure to dental patients and minimize occupational exposure.

Course Number: 0704 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Digital Radiography in Dentistry: Moving from Film-Based to Digital Imaging

The latest advancement in dental radiography is the use of digital technology in recording dental structures. Information included in this course provides the clinician with a basic understanding of digital imaging technology, necessary equipment, digital imaging receptors, imaging technique, acquisition, enhancement, transfer, and storage. Comparisons with film-based imaging as well as the diagnostic utility of digital images are discussed.

Course Number: 0409 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

PRACTICE MANAGEMENT

The Language of Dentistry

Dentistry has a vast and precise language that may be difficult to understand by people new to the healthcare professions. As a healthcare worker, it is important to speak the language with office staff and other healthcare entities and to also translate technical terms to the patient. This course includes root words, prefixes, suffixes, abbreviations, and acronyms commonly used in dentistry.

Course Number: 0609 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Maintaining Proper Dental Records

UPDATED Maintaining complete and accurate records is a sign of quality care and an integral part of the dental team's responsibilities to its patients. Practical information and the background needed to maintain a patient chart are included. Guidelines for minimizing exposure to legal risk, HIPAA (including the Privacy and Security Rules), procedures for correcting an entry, and other areas of vital patient record concern are detailed.

Course Number: 1001 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Designing a Comprehensive Health History

A guideline for creating or updating medical/dental history forms for any dental practice, this course emphasizes risk management and quality patient care. Learn the basic components of a patient medical history, including the legal, ethical, and treatment-related items that must be represented as well as requirements for confidentiality and updates of information. Suggestions are included for screening patients for systemic conditions, following CDC guidelines, and treatment protocols.

Course Number: 0711 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

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The Business of Dentistry: Financial Management for the Dental Office

The administrative assistant plays a key role in the smooth operation of any dental practice. How a dental practice receives monies for services rendered and makes payment to outside entities is the focus of this course. After completing this course the administrative assistant will be able to apply standard financial procedures to any dental practice.

Course Number: 0815 CE Credits: 4
 ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Business of Dentistry: Practice Administration

NEW

This course is one of four comprehensive courses that focus on the duties of the administrative assistant in any type of dental practice. It is essential for every member of the dental team to provide treatment for patients in a caring manner with maximum efficiency and production. This course provides information regarding staffing issues including the management of hiring and termination, payroll and record keeping, and the different communication paths between team members and with the patients of the practice.

Course Number: 0902 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Business of Dentistry: Patient Appointments and Scheduling

Scheduling appointments is important to assure smooth patient flow, maximize productivity and make effective use of practice time. To perform this function the dental business assistant must understand dental procedures as they relate to time duration, office protocol, scheduling preference, and infection control procedures needed between appointments. The course will also review basic dental office communication to ensure patient needs are being met through the services provided.

Course Number: 0816 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Business of Dentistry: Patient Records and Record Management

NEW

This course is one of four comprehensive courses that focus on the duties of the administrative dental assistant in any type of dental practice. The practice administrator plays a key role in the smooth operation of any dental practice, including the protection of patient information and records management. Focus is on attainment of complete and accurate records and their legal ramifications with regards to risk management, storage, and patient consent. Basic charting information including tooth numbering systems, parts of the tooth, and cavity classifications. Also includes types of drugs and prescription abbreviations.

Course Number: 0907 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Advanced Dental Practice Management Concepts

For the dental assistant whose primary responsibility is managing the dental office, this course summarizes common responsibilities of a dental office manager including decision-making, hiring, orienting and supervising employees, and assisting in business office functions while integrating current technology into the practice.

Course Number: 0603 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Dental Assistant's Role in Identifying and Preventing Family Violence

UPDATED Abuse and neglect are growing at ever-increasing rates in the United States. It not only is within the purview of dental practice to identify and report suspected cases, it also is required under state law. An appropriate child abuse and neglect protocol in the dental office may be the best defense for children in these unfortunate situations. Be aware of warning signs, know what to consider when an injury is identified, and know how to report suspected cases.

Course Number: 0913 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Introduction to Computerized Dental Systems

This course provides an overview of the functions available to enhance today's dental practice with computers. Emphasis is placed on choosing a dental computer system that meets office needs. The course addresses computerization of patient accounts, appointment scheduling, insurance processing, and billing and management reports. It also outlines data entry and retrieval, HIPAA and system management.

Course Number: 0516 CE Credits: 3
 ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Addressing Language and Cultural Barriers of the Spanish Speaking Patient

The Hispanic population has exhibited tremendous growth in the United States and is impacting many "unprepared" dental practices. Intended to help dental professionals improve their communication with Spanish-speaking patients, emphasis on basic common dental terminology and Hispanic culture and traditions is included. This course is approval by the Hispanic Dental Association.

A CD-Rom including common Spanish words and phrases needed in dentistry is also included.

Course Number: 0709 CE Credits: 2 credits with CD
 ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Patient Care Coordinator: Are You Ready for a Challenge?

The purpose of this course is to introduce the concept of a patient care coordinator (PCC) to the dental team. The PPC can be a vital and integral team member, enhancing the introduction of new patients into the practice, and facilitating the timely and coordinated progression of treatment for the patient. This course will outline the patient responsibilities, requirements, and interactions with the other team members of the patient care coordinator.

Course Number: 0808 CE Credits: 2
 ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

The Business of Dentistry: Administrative Skills

This comprehensive course covers an overview of basic concepts and administrative procedures of dental practice management. Areas covered include patient data, general office management, HIPAA regulations, clinical considerations, patient communications, appointment control, accounts payable and receivable, third party carriers, records management, inventory control, infection control AND MUCH MORE.

Course Number: 0705 CE Credits: 18
 ADAA Member: \$68 E-Member: \$100 Nonmember: \$110

PHARMACOLOGY

Eastern Medicine Meets Dentistry: The Use of Herbal Supplements in Dentistry

With the widespread use of herbal supplements in the busy lives of our patients today it is important for the dental team to become familiar with the more commonly used supplements and possible contraindications for dental treatment. This course will cover some of the more popular herbals, alternative uses in dental treatment, and potential drug interactions with commonly used drugs in dentistry.

Course Number: 0612 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Importance of Pharmacology in Dental Care

This comprehensive learning and reference tool for dental assistants describes prescription and over-the-counter medications, their uses in treating patients, and common side effects and contraindications. It reviews various types of drugs by classification and action and addresses prescription writing, federal control, and the use of drug reference guides.

Course Number: 0811 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

INFECTION CONTROL & OCCUPATIONAL SAFETY

The Flu...And You: A Novel Challenge with 2009 H1N1 Influenza A

NEW Every dental team member must take necessary precautions to avoid illness, maintain a safe office environment for both the dental team and its patients and keep current on new strains of influenza and other respiratory illnesses. Influenza is an acute respiratory illness that returns every year in a new form. Informed, trained and motivated dental healthcare workers are an important part of the healthcare community's effort to overcome any type of seasonal influenza. *Sponsored in part by an educational grant from Crosstex International.*

Course Number: 0910 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Not All Face Masks Are Created Equal – What Is Best for You

Not all face masks are created equal. Many factors should be taken into consideration when choosing a face mask for personal protection. This course provides important information to help dental professionals make informed decisions.

Course Number: 0507 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Infection Control in the Dental Office: A Review for a National Infection Control Exam

UPDATED All aspects of infection control in the dental practice setting are covered. Included are sections on basic microbiology and disease transmission, immunizations, medical histories and standard precautions. Infection control guidelines, regulations, and standards are highlighted. *Sponsored in part by an educational grant from the Organization for Safety and Asepsis Procedures (OSAP).*

Course Number: 0906 CE Credits: 12
ADAA Member: \$58 E-Member: \$90 Nonmember: \$100

Hand Hygiene for the Dental Professional

Dental healthcare workers spend a great deal of time performing hand hygiene procedures. Discomfort due to skin irritation can interfere with adherence to recommended hand hygiene practices. This course is designed to help the dental professional understand how to perform hand hygiene correctly, describe different types of hand hygiene, correctly select hand hygiene products, recognize signs of skin irritation and locate reliable resources for hand hygiene.

Course Number: 0818 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Guidelines for Infection Control in Dental Health Care Settings

UPDATED Understanding current infection control regulations and recommendations for dental settings is critical to ensuring the health and safety of patients and dental team members. The CDC's "Guidelines for Infection Control in Dental Health-Care Settings, 2003" sets a standard of care for dental infection control. Dental offices also must comply with OSHA mandates as well as any state and/or local regulations. This course reviews significant infection control publications and supports optimal dental infection control and safety.

Course Number: 0904 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Ergonomics of Dental Assisting: Preventing & Managing Work-Related Pain

This course is designed to help assistants prevent work-related pain and injuries. Learn anatomy and mechanisms of microtrauma affecting the assistant. Discover how body mechanics, positioning, instruments and operatory layouts can affect your musculoskeletal health. Pros and cons of assisting stool features, as well as proper stool adjustment will be discussed. Learn how strong postural muscles help protect the back, and the importance of chairside stretching to prevent muscle imbalances.

Course Number: 0411 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Management of HIV/AIDS Patients in Dental Practice

Since the first reported outbreaks of HIV/AIDS, great strides have been made in the treatment of disease-related opportunistic infections, neoplasms and neurological disorders. Combined use of multiple antiviral agents and preventive treatment for pregnant women has increased the number of infected persons living longer and seeking regular dental care. Learn the consequences of HIV/AIDS for today's modern dental practice.

Course Number: 0614 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Hepatitis: What Every Health Care Worker Needs to Know

An overview of the hepatitis A, B, C, D, and E viruses (with special emphasis on the bloodborne viruses B, C, and D), this course explains modes of transmission, epidemiology, and preventive measures against these potentially life-threatening infections. Risks in the dental setting are addressed, and important precautions are described, including vaccine recommendations, infection control precautions, and postexposure management.

Course Number: 0608 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75



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HAZARDOUS MATERIALS IN THE DENTAL SETTING

Mercury in Dentistry — The Facts

Relative to both the patient and the dental team, current information on mercury in dental restorations is summarized, with policy statements from dental organizations and government agencies.

Course Number: 0717 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Nitrous Oxide and Oxygen Sedation: An Update

This course will teach about the desirable characteristics of nitrous oxide, indications and contraindications of N2O/O2 use as well as facts and myths surrounding chronic exposure to nitrous oxide, the biological effects associated with high levels of the gas, and ways to assess and minimize trace gas contamination in an outpatient setting.

Course Number: 0708 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

SPECIAL OFFERING

CD courses are self-contained; no workbook is needed. A printed test is included with the course and must be returned by mail for grading to receive credit.

Clinical Procedures in Fixed Prosthodontics

This interactive learning CD-ROM developed by 3M ESPE takes the dental professional step-by-step through the basics of the crown and bridge procedure. Navigation through the programs is by procedure: diagnosis, preparation, impression, provisional, and final restoration. *Sponsored in part by an educational grant from 3M ESPE.*

Course Number: CD-1-01 CE Credits: 2 Hours
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Direct Restorations: The Art of Shade Selection and Composite Layering

This informative program details the art of creating natural looking direct composite restorations by layering different opacities and shades of composite material. It demonstrates how multiple layers of composite can be used without adding significant time to a procedure. The course also showcases the esthetic results that can be achieved using direct restorative techniques. *Sponsored in part by an educational grant from 3M ESPE.*

Course Number: CD-1-03 CE Credits: 4 Hours
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Sensitivity in Dentistry

Sensitivity in dentistry is a widely discussed topic today, and this interactive CD-ROM developed by 3M ESPE covers theories and background information, diagnosing pain, postoperative sensitivity associated with direct and indirect restorations, cervical dentin sensitivity, and sensitivity and vital tooth bleaching. This course is recommended for the experienced assistant. *Sponsored in part by an educational grant from 3M ESPE.*

Course Number: CD-2-01 CE Credits: 4 Hours
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

CLINICAL ASSISTANTS

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0906 Infection Control in the Dental Office: A Review for a National Infection Control Exam (page 8)

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0746 Business Administration Management (page 6)

0808 The Dental Assistant's Management of Medical Emergencies (page 4)

0808 Patient Care Coordinator: Are You Ready for the Challenge (page 7)

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POLICIES

Continuing Education Credits

All ADAA courses are approved for continuing education credits by the Dental Assisting National Board and most state agencies requiring dental assisting education. Check with your state board if you have any questions. Dental Practice Management courses are not approved for credit by the California Board of Dental Examiners.

"DANB Approval" indicates that a continuing education course appears to meet certain specifications as described in the DANB Recertification Guidelines. DANB does not, however, endorse or recommend any particular continuing education course and is not responsible for the quality of any course content.

The ADAA is designated as a nationally approved sponsor by the Academy of General Dentistry. The formal continuing education programs of this sponsor are accepted by AGD for Fellowship, Mastership and membership maintenance credit.



Approved PACE Program Provider FAGD/MAGD
Credit Approval does not imply acceptance by a
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endorsement. (04/10/1992) to (05/31/2011)

TESTS

Only tests for courses currently produced by the ADAA are accepted for grading. Due to course revisions and updates, we recommend that the courses be completed within a year of purchase. Only the original answer sheet will be accepted for grading (no photocopies allowed).

Current ADAA President is Angela M. Swatts, CDA, EFDA from Indianapolis, IN. angelaswatts@adaa1.com

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AMERICAN
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EDUCATION CATALOG

2011
Winter – Spring

— NEW —

1002 – Electronic Dental Records: Start Taking the Steps Today

1005 – Go Green: It's the Right Thing To Do

1006 – The Patient with Special Needs: General Treatment Considerations

1009 – An Update on the Dangers of Soda Pop

1010 – Dentinal Hypersensitivity: Dilemmas and Treatment

1013 – Introduction to Specialized Dental Software

— UPDATED —

1001 – Maintaining Proper Dental Records

1003 – Gingival Health — Periodontal Assessment

1007 – Oral Cancer Genetics: From Diagnosis to Treatment

1008 – Intraoral Radiographic Techniques

1011 – Hepatitis: What Every Health Care Worker Needs to Know

1012 – Designing a Comprehensive Health History

1017 – Understanding Nicotine Addiction and Intervention Techniques for the Dental Professional

1018 – An Introduction to the Herpes Viruses

1019 – Sports-Related Dental Injuries and Sports Dentistry

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Welcome to the 2011 Continuing Education Catalog. The ADAA Council on Education, authors, and CE staff have spent many hours over the past year to bring you these CE opportunities. Our main focus remains quality, up-to-date information for the dental team.

- Be sure to check out the complete course library.
- Remember all courses are available in hard copy or online at www.adaa1.com.
- Courses are updated and added throughout the year, so visit the site often.
- If you are a member of ADAA please enjoy one of your many benefits including up to 4 hours of free continuing education. (E-Members receive 1 hour annually.) Plus discounts on all your CE needs.
- Join today and start redeeming all the benefits available.
- Be sure to check out information on the Fellowship/Mastership Programs available to ADAA members. I am proud to be an ADAA Master and would love for you to be one too.

-Jen Blake, CDA, EFDA, MADAA
Director of Education and Profession Relations

COURSES

Prices and course offerings are valid from 01/01/2011 thru 12/31/2011

INTRAORAL FUNCTIONS

Power Toothbrushes: Everything You Need to Know to Make Informed Recommendations for Your Patients

Are you overwhelmed with questions from your patients about power toothbrushes? Feel like you can't keep abreast of the newest products on the market and their effectiveness? This course describes the newest products, safety, selection parameters, and patient instruction. Learn

how to locate and use current research to make informed recommendations for your patients. *Sponsored in part from an educational grant from Oral-B.*

Course Number: 0901 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

General Chairside Assisting: A Review for a National Chairside Exam

This course reviews the major aspects of general chairside assisting. It addresses clinical data collection and recording, preventing/managing emergencies, chairside and laboratory materials and procedures, dental instruments, patient education and oral health management, oral anat-

omy, oral pathology, pharmacology, anesthesia, dental specialties, and office operations. Developed as a preparation aid for the Dental Assisting National Board's General Chairside Exam.

Course Number: 0613 CE Credits: 24
ADAA Member: \$88 E-Member: \$125 Nonmember: \$135

Alginate Impression and Diagnostic Study Model Techniques

Learn step-by-step procedures for taking alginate impressions. Discover alternatives for obtaining bite registrations. Ascertain various ways of creating study models. This comprehensive course combines theory with practical information on correct chairside and laboratory procedures and how to manipulate the dental materials involved. Highlights infection control including disinfection protocol, patient preparation,

mixing techniques, alginate tray selection and preparation, use of adhesives, seating and removal of impression trays, inspection of impressions, bite registration techniques, gypsum, pouring casts, separating and trimming casts, and finishing and storage of models. *Sponsored in part from an educational grant from DUX Dental.*

Course Number: 0806 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Local Anesthesia in Today's Dental Practice

The success of any dental practice largely hinges on the use of local anesthesia for patient comfort and safety. Dental assistants should have a basic understanding of local anesthesia, nerves of the oral cavity, prop-

er methods for handling syringes, possible complications, and how to manage emergencies.

Course Number: 0517 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

"The people who make dental assisting a profession."



The American Dental Assistants Association Foundation was established to fund education and research for all dental assistants. The foundation is a nonprofit organization funded by dental corporations, state and local ADAA components, individual ADAA members and other interested parties. The American Dental Assistants Association wishes to thank all foundation contributors for their support of the dental assisting profession.



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- E-Retail discounts/Continuing Education discounts and more.

Visit www.dentalassistant.org.

The Use of Pit and Fissure Sealants in Preventive Dentistry

It is the responsibility of dental professionals to assess each patient for possible sealant placement. Long term success of sealants relies heavily on placement technique, patient education, and recare appointments. Types of materials available and placement procedures will also be discussed. *Sponsored in part from an educational grant from 3M ESPE.*

Course Number: 0713 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Setting it Straight — Advanced Orthodontics

Extending beyond the content covered in the basic orthodontics course, this course includes information on the six keys to occlusion, orthodontic bonding materials and techniques, instrumentation, archwire alloys, early treatment considerations, treatment risks and limitations, and the latest technologies, with the goal of familiarizing the participants with the more advanced aspects of orthodontics.

Course Number: 0510 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Maxillofacial Surgery Basics for the Dental Assistant — Part I

This course reviews the role of the dental assistant in preparing a patient for oral surgery procedures, whether performed in the general dental practice or specialty clinic. Areas reviewed include medical assessment, regional surgical anatomy, anesthesia, sedation, and management of hemorrhaging.

Course Number: 0807 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Maxillofacial Surgery Basics for the Dental Assistant — Part II

Independent of Part I in this series, this course reviews the basic principles of oral surgery, including reasons for extractions, basic and surgical techniques, flap designs, management of impacted teeth, and instrumentation. It is designed to give the dental assistant insight into how oral surgical procedures are performed.

Course Number: 0912 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Art and Science of Tooth Whitening

One of the fastest growing areas of esthetic dentistry today is the management of discolored and hypoplastic dentition. Tooth whitening (sometimes referred to as bleaching) is a popular option available. This course will cover whitening success factors, various systems, mechanism of action, and side effects. *Sponsored in part by an educational grant from Ultradent Products.*

*****Available only online at www.adaa1.com*****

Course Number: 0817 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Fabrication of Provisional Crowns and Bridges

This course gives the know-how to fabricate temporary crowns and bridges. Includes information on materials, detailed instruction on fabrication techniques, finishing, polishing and cementing procedures. *Sponsored in part from an educational grant from 3M ESPE.*

Course Number: 0810 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Oral Health Maintenance of Dental Implants

With the demand for dental implants rising, techniques — as well as the benefits to patients — have improved. Oral hygiene maintenance by the patient directly affects the prognosis and success of an implant. This course discusses the required long-term professional and home care maintenance to ensure a healthy peri-implant program. Step-by-step procedures for patients are included.

Course Number: 0814 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Dental Implants: A Second Chance at Dental Health

With the increasing popularity of dental implants, the role of the dental assistant has become integral to successful treatment. Learn how to help patients and dentists enjoy the benefits of dental implant therapy. The course covers the history of dental implants, applications for their use in everyday practice, benefits and risks, clinical protocols, and sterilization and handling. A comprehensive overview is designed exclusively for surgical and restorative assistants.

Course Number: 0702 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

-STAY UPDATED-

Be sure to check out the 2011 ADAA Education Catalog Supplement this summer.

Dental Assistants Recognition Week

March 6-12, 2011

Wired for Learning — Orthodontic Basics

Orthodontics specializes in the diagnosis, prevention and treatment of dental and facial irregularities, but from a patient's view, it simply creates great smiles! This course introduces the basics of orthodontics, with the goal of peaking interest in this specialty of dentistry, and providing education to springboard an individual considering a career in this specialty.

Course Number: 0813 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

TREATMENT OF DISEASES/CONDITIONS

Gingival Health — Periodontal Assessment

UPDATED An introduction to finding, locating, and assessing periodontal diseases. Included is the importance of the initial examination, the recording of in-depth information in the patient record, and types of clinical evidence that can be found on radiographs. Also covered are the pitfalls involved with inaccurate sulcus depth readings, mobility and furcation classifications.

Course Number: 1003 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Prevention and Management of Oral Complications of Cancer Treatment: The Role of the Oral Health Care Team

The useful information in this course was drawn from many impressive sources including the National Institute of Dental and Craniofacial Research through its National Oral Health Information Clearinghouse, National Cancer Institute and others. Presented in a clear, precise edited format. Clinical professionals and everyone in the field will welcome the insight into this vital subject.

Course Number: 0801 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Understanding the Dangers and Health Consequences of Spit Tobacco Use

While cigarette use is declining among adults and leveling off in teens, spit tobacco consumption is on the rise. Even as the popularity of this known carcinogen reaches record levels among young people, spit tobacco use continues to receive relatively little attention as a public health issue. The dental team is in an ideal position to use the "teachable moments" that occur during a dental visit to counsel patients on the dangers of tobacco use and support them in cessation efforts.

Course Number: 0914 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Understanding Nicotine Addiction and Intervention Techniques for the Dental Professional

UPDATED In recent years, the stage has been set for all dental professionals to become actively involved as facilitators and participants in tobacco education and control efforts. The course is designed to help dental professionals specific skills they may utilize to help tobacco users become free of their addiction.

Course Number: 1017 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Understanding Meth Mouth and Oral Interventions

Methamphetamines (MA) directly affect a person's health, lifestyle, ability to function and mental status. Unlike many other street drugs, the use of meth is on the rise. Dental professionals must have knowledge of the symptoms of use, possible side effects, drug interactions with medications and dental treatment considerations. This will aid in delivering appropriate dental treatment, intervention, patient education and prevention.

Course Number: 0701 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Dental Assistant's Management of Medical Emergencies

Improve your ability to plan for, manage and handle office medical emergencies as part of the dental team. Includes discussion of the importance of a thorough health history in dealing with medical emergencies, background information on emergencies, vitals and what should be included in office emergency equipment. Also provides scenarios of medical emergency situations and how to handle them.

Course Number: 0803 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Blood Pressure Guidelines and Screening Techniques

This course teaches the dental health professional to be aware of the causes of hypertension. It describes the appropriate method of taking blood pressure and how to determine recommendations for follow-up and lifestyle medications for patient treatment.

Course Number: 0809 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

An Update on the Dangers of Soda Pop

NEW Soda pop has emerged as one of the most significant dietary sources of acid capable of producing demineralization of the enamel. Many brands of soda pop also contain sugars that are fermented by bacteria that produce acid by-products. It also appears that soda pop contains other ingredients that produce demineralization independent of its acid content or fermentable sugars. The consumption of soda pop in the US continues to increase in alarming proportions with consequent drastic effects on the dentition of many people. Completing this course will equip the dental team with the expertise and training to intervene with diet counseling, home care instruction and professionally applied fluoride to decrease the potential ravages of soda pop with their patients. *Sponsored in part by an educational grant from Colgate.*

Course Number: 1009 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Complementary and Alternative Medicine Techniques Available for Dentistry

Complementary and alternative medicine used in dentistry is inclusive of various treatment modalities. Dental patients continue to request these therapies to prevent invasive procedures, relieve anxiety, and save on cost. Various methods of alternative treatment are covered.

Course Number: 1014 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

ADAA MISSION STATEMENT

"To advance the careers of dental assistants and to promote the dental assisting profession in matters of education, legislation, credentialing and professional activities which enhance the delivery of quality dental health care to the public."

An Introduction to the Herpes Viruses

UPDATED The herpes viruses continue to affect patients worldwide. The use of immunosuppressant medications, the AIDS epidemic and crowded living conditions will continue to present a challenge to our healthcare system. Learn the symptoms, epidemiology, transmission, and treatment of various types of herpes viruses.

Course Number: 1018 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Inflammation: The Relationship Between Oral Health and Systemic Disease

The purpose of this course is to review how the inflammation process functions in the human body. The role of inflammation in oral and systemic health will be discussed. Translating this information into practical application for dental healthcare professionals will be addressed so that both inquiring patients and astute clinicians can capitalize on the opportunities for improving total health. *Sponsored in part by an educational grant from Colgate.*

Course Number: 0804 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Osteoradionecrosis: Oral Health and Dental Treatment

Osteoradionecrosis is a potentially debilitating complication of radiation therapy used to treat carcinomas in and around the oral cavity. Diagnosis, pathogenesis, prevention, and treatment are reviewed, including oral health recommendations, and hyperbaric oxygen is described as a preventive and treatment modality.

Course Number: 0908 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

The Patient with Special Needs: General Treatment Considerations

NEW While most dental patients can receive oral health care in private practice settings, some patients have medical, physical or mental conditions that require adaptations to treatment beyond routine. Patients with disabilities, who make up a large segment of the population, are often overlooked when it comes to oral health care for a variety of reasons. However, it is our responsibility as dental health care professionals to meet the needs of this very special group of patients.

Course Number: 1006 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Eating Disorders — Understanding the Dental Ramifications

An eating disorder is a term used to describe health and psychological disorders characterized by a disturbance in one's attitude and behaviors relating to eating, body weight, body image and thoughts about one's self. There are many different types of eating disorders encountered within the dental field. This course will survey some of the more common disorders encountered in dentistry today.

Course Number: 1015 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Geriatric Dentistry: Reviewing for the Present, Preparing for the Future

The physical and dental characteristics of aging are examined in this course. It reviews medical conditions that affect preventive and restorative treatment and offers a variety of resources for patients with xerostomia and physical disabilities. Understanding these concepts can better prepare dental team members for interaction with this fast growing group of individuals.

Course Number: 0802 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Sports-Related Dental Injuries and Sports Dentistry

UPDATED Participants learn about soft tissue injuries, jaw fractures, TMJ injuries and other problems related to sports injuries. Emergency treatment is discussed. Statistics relating to sports/dental injuries are presented as well as differentiating mouth guard types available and patterns of wearing by males and females, cultural differences and effect of peer pressure.

Course Number: 1019 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Current Concepts in Preventive Dentistry

Dentistry in the United States today includes preventive practices (prophylaxis, fluoride treatments, full-mouth and bite-wing radiographs, and sealants) and early detection of dental caries and periodontal disease. This course outlines aspects of prevention that dental professionals should address during patient examinations. *Sponsored in part by an educational grant from P & G Cres Oral-B.*

Course Number: 0812 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Oral Cancer Genetics: From Diagnosis to Treatment

UPDATED Understanding oral cancer genetics can help dental professionals treat patients immediately after diagnosis during cancer therapy, and after the cancer has been eliminated. Learn to recognize signs and symptoms, the effects of various cancer treatments on the oral cavity, and how to ease patient discomfort.

Course Number: 1007 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Importance of Oral Hygiene During Orthodontic Treatment

A rigorous oral hygiene regimen during orthodontic therapy is important to help prevent soft-tissue problems. Consideration should be given to including the prophylactic use of antimicrobial rinses. The use of oral medication to relieve pain and promote healing or oral irritations may also be warranted in individual patients. It is important that the clinician obtain patient commitment and adherence to an appropriate oral hygiene regimen. *Sponsored in part by an educational grant from Sunstar Americas.*

Course Number: 0714 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Did you know...

ADAA's 2010-2011 President is Natalie Kaweckyj, LDARE, CDA, CDPMA, COA, COMSA, MADAA, BA who resides in Minneapolis MN. Email her at nkaweckyj@gmail.com

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assistant-related content to keep you informed.
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Xerostomia: Recognition and Management

It is important to perform a complete evaluation of the patient with dry mouth, determining, if possible, the cause of the xerostomia so that appropriate management can be instituted in a timely manner. This course will review methods of evaluation for xerostomia and practical measures for management of the patient with dry mouth. *Sponsored in part by an educational grant from Colgate.*

Course Number: 0805 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Dentinal Hypersensitivity: Dilemmas and Treatment

NEW The increasing life span of the average person is resulting in patients who will need dental healthcare for a longer period of time. Gingival recession is a condition that is known to worsen with age and its part in dentinal hypersensitivity cannot be ignored. When a patient presents with dentinal hypersensitivity, dental professionals have an obligation to provide well-considered recommendations for treatment. Areas discussed will include the diagnosis of the disease, factors contributing to dentinal hypersensitivity, and reviewing and choosing the correct course of treatment.

Sponsored in part by an educational grant from Colgate.

Course Number: 1010 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

RADIOLOGY

Digital Radiography in Dentistry: Moving from Film-Based to Digital Imaging

The latest advancement in dental radiography is the use of digital technology in recording dental structures. Information included in this course provides the clinician with a basic understanding of digital imaging technology, necessary equipment, digital imaging receptors, imaging technique, acquisition, enhancement, transfer, and storage. Comparisons with film-based imaging as well as the diagnostic utility of digital images are discussed.

Course Number: 0409 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Radiation Biology, Safety and Protection for Today's Dental Assistant

This summary demonstrates how the study of radiation biology began and how radiation safety and protection measures evolved from early research efforts to formally established organizations that examine leading scientific thought and provide guidance and recommendations on radiation protection and measurement. The subsequent information will provide an overview of radiation biology and the safety and protection measures that can be implemented to reduce radiation exposure to dental patients and minimize occupational exposure.

Course Number: 0704 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

Introduction to Basic Concepts in Dental Radiography

Prep for a National Radiology Exam! Included in this fact-filled course are all the basics needed to expose high-quality radiographs. It is the best help a dental assistant can get in prepping for a radiology exam. Learn how to:

- Promote radiation safety
- Mount and label exposed radiographs
- Identify and correct errors related to dental x-ray procedures
- Apply infection control techniques to dental x-ray procedures
- Process radiographic film
- Expose and evaluate dental radiographs; and
- Implement quality assurance procedures in dental radiography facilities.

Course Number: 0715 CE Credits: 18
ADAA Member: \$68 E-Member: \$100 Nonmember: \$110

Digital Imaging Techniques and Error Correction

Clinical errors occur as a consequence of improper patient preparation or management, technique and exposure. Correct technique and proper patient management skills are essential to maximize the outcome and the information obtained from digital radiographic images, while at the same time minimizing patient radiation exposure. This course will provide an overview of digital imaging, a review of technique principles and the identification and correction of common errors that occur in digital intraoral and panoramic imaging.

Course Number: 0909 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Diseases of the Teeth and Jaws

Learn to recognize the radiographic appearance of dental caries, periodontal disease, periapical pathology, and healing of extraction wounds. This course also focuses on the appearance of conditions such as tooth and bone fractures, developmental anomalies and regressive changes of the teeth, and developmental abnormalities of the skull and jaws.

Course Number: 0903 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Intraoral Radiographic Techniques

UPDATED When examined under proper conditions, diagnostic-quality intraoral radiographs reveal evidence of disease that cannot be found in any other way. The course presents basic principles and concepts of intraoral procedures. Includes discussion of proper techniques for bitewing radiography as well as the use of paralleling and bisecting angle techniques.

Course Number: 1008 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Dental Radiographic Pitfalls and Errors

Operator error is the cause of the majority of dental radiograph retakes. Operator error can occur while exposing or processing films and is due to incorrect or improper techniques. A routine using correct technique for exposing and processing films is critical to maximizing the information garnered from dental radiographs while minimizing patient exposure to radiation.

Course Number: 0707 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

PRACTICE MANAGEMENT

Go Green: It's the Right Thing to Do

NEW What exactly is "going green"? What does it mean to the practice of dentistry? Dental healthcare professionals know the importance of preserving the environment and the environment's contribution to overall health and well-being. Dentistry can lessen the combined environmental impact by utilizing the "Four R's of Going Green," namely, "Reduce, Reuse, Recycle, and Rethink." This course includes the parameters needed to initiate a program for your dental practice that is simple and practical to implement. *Jointly developed by the American Dental Association's (ADA) Council on Dental Practice (CDP) and the American Dental Assistants Association (ADAA).*

Course Number: 1005 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

The Business of Dentistry: Patient Appointments and Scheduling

Scheduling appointments is important to assure smooth patient flow, maximize productivity and make effective use of practice time. To perform this function the dental business assistant must understand dental procedures as they relate to time duration, office protocol, scheduling preference, and infection control procedures needed between appointments. The course will also review basic dental office communication to ensure patient needs are being met through the services provided.

Course Number: 0816 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Designing a Comprehensive Health History

UPDATED A guideline for creating or updating medical/dental history forms for any dental practice, this course emphasizes risk management and quality patient care. Learn the basic components of a patient medical history, including the legal, ethical, and treatment-related items that must be represented as well as requirements for confidentiality and updates of information. Suggestions are included for screening patients for systemic conditions, following CDC guidelines, and treatment protocols.

Course Number: 1012 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Business of Dentistry: Financial Management for the Dental Office

The administrative assistant plays a key role in the smooth operation of any dental practice. How a dental practice receives monies for services rendered and makes payment to outside entities is the focus of this course. After completing this course the administrative assistant will be able to apply standard financial procedures to any dental practice.

Course Number: 0815 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Business of Dentistry: Practice Administration

This course is one of four comprehensive courses that focus on the duties of the administrative assistant in any type of dental practice. It is essential for every member of the dental team to provide treatment for patients in a caring manner with maximum efficiency and production. This course provides information regarding staffing issues including the management of hiring and termination, payroll and record keeping, and the different communication paths between team members and with the patients of the practice.

Course Number: 0902 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Maintaining Proper Dental Records

UPDATED Maintaining complete and accurate records is a sign of quality care and an integral part of the dental team's responsibilities to its patients. Practical information and the background needed to maintain a patient chart are included. Guidelines for minimizing exposure to legal risk, HIPAA (including the Privacy and Security Rules), procedures for correcting an entry, and other areas of vital patient record concern are detailed.

Course Number: 1001 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

The Business of Dentistry: Patient Records and Record Management

This course is one of four comprehensive courses that focus on the duties of the administrative dental assistant in any type of dental practice. The practice administrator plays a key role in the smooth operation of any dental practice including the protection of patient information and records management. Focus is on attainment of complete and accurate records and their legal ramifications with regards to risk management, storage, and patient consent. Basic charting information including tooth numbering systems, parts of the tooth, and cavity classifications. Also includes types of drugs and prescription abbreviations.

Course Number: 0907 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Introduction to Specialized Dental Software

NEW Computers and specialized dental practice software has become an integral contributor to the success of the dental practice. Selection of a system that will grow with the practice is recommended. Identification of practice needs for now and for the future, options and software support and staff training are additional concerns. Although this course does not endorse any specific computer system, it presents principles that can be applied to most any computerized system.

Course Number: 1013 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Dental Assistant's Role in Identifying and Preventing Family Violence

Abuse and neglect are growing at ever-increasing rates in the United States. It not only is within the purview of dental practice to identify and report suspected cases, it also is required under state law. An appropriate child abuse and neglect protocol in the dental office may be the best defense for children in these unfortunate situations. Be aware of warning signs, know what to consider when an injury is identified, and know how to report suspected cases.

Course Number: 0913 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Enroll today!

The ADAA offers a Fellowship and Mastership Program for ADAA members. Visit www.dentalassistant.org/fellow_master.htm for more details and to sign up!

UPCOMING

- Yankee Dental Meeting, Boston, MD January 26-30, 2011
- Chicago Midwinter Meeting, Chicago, IL February 25, 2011
- Hinman Dental Meeting, Atlanta, GA March 24-26, 2011
- Texas Dental Meeting, San Antonio, TX May 5-7, 2011
- ADA/ADAA Annual Session, Orlando, FL October 11, 2011
- Greater New York Dental Meeting, NYC, NY November 25-30, 2011

Registration for roundtables are available at each meeting's respective site. Visit the ADAA website for links.

The Language of Dentistry

Dentistry has a vast and precise language that may be difficult to understand by people new to the healthcare professions. As a healthcare worker, it is important to speak the language with office staff and other healthcare entities and to also translate technical terms to the patient. This course includes root words, prefixes, suffixes, abbreviations, and acronyms commonly used in dentistry.

Course Number: 1016 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Addressing Language and Cultural Barriers of the Spanish Speaking Patient

The Hispanic population has exhibited tremendous growth in the United States and is impacting many "unprepared" dental practices. Intended to help dental professionals improve their communication with Spanish-speaking patients, emphasis on basic common dental terminology and Hispanic culture and traditions is included. *This course is approved by the Hispanic Dental Association.*

A CD-Rom including common Spanish words and phrases needed in dentistry is also included.

Course Number: 0709 CE Credits: 2 credits with CD
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Patient Care Coordinator: Are You Ready for a Challenge?

The purpose of this course is to introduce the concept of a patient care coordinator (PCC) to the dental team. The PPC can be a vital and integral team member, enhancing the introduction of new patients into the practice, and facilitating the timely and coordinated progression of treatment for the patient. This course will outline the patient responsibilities, requirements, and interactions with the other team members of the patient care coordinator.

Course Number: 0808 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Electronic Dental Records: Start Taking the Steps Today

NEW Technology and electronic patient records have become an integral part of healthcare delivery, including dentistry, and are now impossible to ignore. A transition plan is key in making the switch from paper to digital charts as smooth as possible. This course is designed to guide a dental practice through the planning process and assist in creating steps to start the transition today. *Sponsored in part by an educational grant from Patterson Dental.*

Course Number: 1002 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

The Business of Dentistry: Administrative Skills

This comprehensive course covers an overview of basic concepts and administrative procedures of dental practice management. Areas covered include patient data, general office management, HIPAA regulations, clinical considerations, patient communications, appointment control, accounts payable and receivable, third party carriers, records management, inventory control, infection control AND MUCH MORE.

Course Number: 0705 CE Credits: 18
ADAA Member: \$68 E-Member: \$100 Nonmember: \$110

The Patient with Special Needs: General Treatment Considerations

The first in a series on Special Needs Patients.

NEW As dental professionals we know that every patient is an individual with his or her own set of special needs. Most patients with special needs can receive needed oral healthcare in private practice settings. Some patients have medical, physical or mental conditions that require adaptations to treatment normally provided. Patients with disabilities are often overlooked when it comes to oral healthcare for a variety of reasons. This course will provide background information on the different types of disabilities and the tools needed to treat these patients with dignity and respect.

Course Number: 1006 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

PHARMACOLOGY

Eastern Medicine Meets Dentistry: The Use of Herbal Supplements in Dentistry

With the widespread use of herbal supplements in the busy lives of our patients today it is important for the dental team to become familiar with the more commonly used supplements and possible contraindications for dental treatment. This course will cover some of the more popular herbals, alternative uses in dental treatment, and potential drug interactions with commonly used drugs in dentistry.

Course Number: 1004 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

The Importance of Pharmacology in Dental Care

This comprehensive learning and reference tool for dental assistants describes prescription and over-the-counter medications, their uses in treating patients, and common side effects and contraindications. It reviews various types of drugs by classification and action and addresses prescription writing, federal control, and the use of drug reference guides.

Course Number: 0811 CE Credits: 5
ADAA Member: \$48 E-Member: \$71 Nonmember: \$81

INFECTION CONTROL & OCCUPATIONAL SAFETY

The Flu... And You: A Novel Challenge with 2009 H1N1 Influenza A

Every dental team member must take necessary precautions to avoid illness, maintain a safe office environment for both the dental team and its patients and keep current on new strains of influenza and other respiratory illnesses. Influenza is an acute respiratory illness that returns every year in a new form. Informed, trained and motivated dental healthcare workers are an important part of the healthcare community's effort to overcome any type of seasonal influenza. *Sponsored in part by an educational grant from Crosstex International.*

Course Number: 0910 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

Not All Face Masks Are Created Equal – What Is Best for You

Not all face masks are created equal. Many factors should be taken into consideration when choosing a face mask for personal protection. This course provides important information to help dental professionals make informed decisions.

Course Number: 0507 CE Credits: 1
ADAA Member: \$18 E-Member: \$37 Nonmember: \$47

Infection Control in the Dental Office: A Review for a National Infection Control Exam

All aspects of infection control in the dental practice setting are covered. Included are sections on basic microbiology and disease transmission, immunizations, medical histories and standard precautions. Infection control guidelines, regulations, and standards are highlighted. *Sponsored in part by an educational grant from the Organization for Safety and Asepsis Procedures (OSAP).*

Course Number: 0906 CE Credits: 12
ADAA Member: \$58 E-Member: \$90 Nonmember: \$100

Hand Hygiene for the Dental Professional

Dental healthcare workers spend a great deal of time performing hand hygiene procedures. Discomfort due to skin irritation can interfere with adherence to recommended hand hygiene practices. This course is designed to help the dental professional understand how to perform hand hygiene correctly, describe different types of hand hygiene, correctly select hand hygiene products, recognize signs of skin irritation and locate reliable resources for hand hygiene.

Course Number: 0818 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Guidelines for Infection Control in Dental Health Care Settings

Understanding current infection control regulations and recommendations for dental settings is critical to ensuring the health and safety of patients and dental team members. The CDC's "Guidelines for Infection Control in Dental Health-Care Settings, 2003" sets a standard of care for dental infection control. Dental offices also must comply with OSHA mandates as well as any state and/or local regulations. This course reviews significant infection control publications and supports optimal dental infection control and safety.

Course Number: 0904 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

Management of HIV/AIDS Patients in Dental Practice

Since the first reported outbreaks of HIV/AIDS, great strides have been made in the treatment of disease-related opportunistic infections, neoplasms and neurological disorders. Combined use of multiple antiviral agents and preventive treatment for pregnant women has increased the number of infected persons living longer and seeking regular dental care. Learn the consequences of HIV/AIDS for today's modern dental practice.

Course Number: 0614 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

The Ergonomics of Dental Assisting: Preventing & Managing Work-Related Pain

This course is designed to help assistants prevent work-related pain and injuries. Learn anatomy and mechanisms of microtrauma affecting the assistant. Discover how body mechanics, positioning, instruments and operatory layouts can affect your musculoskeletal health. Pros and cons of assisting stool features, as well as proper stool adjustment will be discussed. Learn how strong postural muscles help protect the back, and the importance of chairside stretching to prevent muscle imbalances.

Course Number: 0411 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Hepatitis: What Every Health Care Worker Needs to Know

UPDATED An overview of the hepatitis A, B, C, D, and E viruses (with special emphasis on the bloodborne viruses B, C, and D), this course explains modes of transmission, epidemiology, and preventive measures against these potentially life-threatening infections. Risks in the dental setting are addressed, and important precautions are described, including vaccine recommendations, infection control precautions, and postexposure management.

Course Number: 1011 CE Credits: 4
ADAA Member: \$39 E-Member: \$65 Nonmember: \$75

HAZARDOUS MATERIALS IN THE DENTAL SETTING

Mercury in Dentistry — The Facts

Relative to both the patient and the dental team, current information on mercury in dental restorations is summarized, with policy statements from dental organizations and government agencies.

Course Number: 0717 CE Credits: 3
ADAA Member: \$30 E-Member: \$53 Nonmember: \$63

Nitrous Oxide and Oxygen Sedation: An Update

This course will teach about the desirable characteristics of nitrous oxide, indications and contraindications of N₂O/O₂ use as well as facts and myths surrounding chronic exposure to nitrous oxide, the biological effects associated with high levels of the gas, and ways to assess and minimize trace gas contamination in an outpatient setting.

Course Number: 0708 CE Credits: 2
ADAA Member: \$25 E-Member: \$47 Nonmember: \$57

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0613: General Chairside Assisting: A Review for a National Chairside Exam (page 2)

0715: Introduction to Basic Concepts in Dental Radiography (page 6)

0906: Infection Control in the Dental Office: A Review for a National Infection Control Exam (page 9)

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SPONSOR RECERTIFICATION APPLICATION

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and forward to the board's office no later than June 30.

1. Official Name of Sponsor Group: American Dental Institute (ADI)
Contact Person: Sharon Peterson Phone: (508) 638-7065 Fax: (508) 894-0179
Address: 400 Manley Street, West Bridgewater, MA 02379 E-mail: speterson@westernschools.com

2. Name of Current Officers	TITLE	ADDRESS	PHONE
<u>Robert Sample</u>	<u>CE Director</u>	<u>same as above</u>	<u>(508) 638-7000</u>
<u>Debra Lefkowitz</u>	<u>ADI Manager</u>	<u>same as above</u>	<u>(508) 638-7064</u>

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Sharon Peterson Phone: (800) 654-7134 Fax: (508) 894-0177
Full Address: 400 Manley Street West Bridgewater, MA 02379
Internet Address: www.adinet.org E-mail: info@adinet.org

4. How many courses, meetings or programs did your organization sponsor last year? 125

5. How many courses, meetings or programs do you anticipate sponsoring this year? 130

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
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See attached list of courses offered during the preceding 24-month period.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Sharon Peterson

Address: 400 Manley Street, West Bridgewater, MA 02379 Phone: (508) 638.7065


Signature

July 10, 2012
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

American Dental Institute		
Continuing Education Provider Course List		
Courses Offered August 2010 through July 2012		
Name of Provider Organization: American Dental Institute		
Address of Provider Organization: 400 Manley Street, West Bridgewater, MA 02379		
Name of Contact Person: Sharon Peterson		
Date Offered: All courses are offered as on-going home study		
Course Title	CEU Earned	Course Author
A Clinical Evaluation of a Resin Modified, Hybrid Glass Ionomer Restorative Material	02	Douglas M. Barnes, DDS, MS; L.W. Blank, DDS, MS; James C. Gingell, DDS and Steven R. Jefferies, DDS, MS
A Guide to Management of Developing Malocclusions in Children in the Mixed Dentition	02	William M Davidson DMD, PhD
A Modern Paradigm for Caries Management	02	Steven Steinberg, DDS
A Retrospective Evaluation of 36 Patients with Lichen Planus	01	Ronald S. Brown, DDS, MS, Janine Carrington, DDS
A Review of Fluoride Varnish Efficacy and use in Dental Practice	02	Harold S. Goodman, DDS, MPH
Allergic Reactions To Metals in the Mouth	01	Anthony von Fraunhofer, DDS; Patricia W. Kihn, DDS
An Atlas of Oral Lesions	06	L. R. Eversole, DDS, MSD. MA
Antibiotic Update: Treatment of Oral-Facial Infections of Odontogenic Origin	02	Richard L. Wynn, PhD; Timothy F. Meiller, DDS, PhD; Stewart A. Bergman, DDS, MS
Antidepressant Drugs and Dental Considerations	01	Richard Wynn, PhD
Bondable, Fiber-reinforced Resin Posts	01	Howard E. Strassler, DMD, FADM, FAGD
Bonding Systems for Dentin in Adhesive Dentistry	02	Patricia W. Kihn, DDS, MS
Bone Grafting and Regeneration in Intra-bony Defects	02	Sue Hauwiller, DMD, MS
Burning Mouth Syndrome	01	Ronald Mancini, DDS
Chemical Dependency & Substance Abuse: A Review for the Dental Professional	03	Ronald M. Mancini, DDS
Chemical Dependency & Substance Abuse-Part 1: THC, Stimulants and Sedatives	02	Ronald M. Mancini, DDS
Chemical Dependency & Substance Abuse-Part 2: Hallucinogens, Opiates and Inhalants	01	Ronald M. Mancini, DDS
Chemical Dependency: Current Concepts and Research for Dental Health Care Providers	03	Christine Wisnom, RN, BSN
Clinical Evaluation of a Fluoride Varnish for Cervical Dentin Hypersensitivity	02	Chong Y. Shin, BDS, DDS, MS; Douglas M. Barnes, DDS, MS; Bryan Fitzgerald, DDS and Elaine Romberg, PhD
Comparative Microleakage Behavior of Restorative Dental Material	02	J.A. von Fraunhofer, PhD, FASM, FRSC; S.M. Sayed, DDS, MS
Dental Alveolar Surgery for the General Dentist	04	Michael E. Barkin, DDS
Dental Erosion and Preventive Practices for the Dental Professional	02	Marion Manski, RDH, MS; J.A. Von Fraunhofer, MSc, PhD
Dental Implications of Two Primary Herpes Viruses: Epstein-Barr (EBV) and Varicella Zoster Virus (VZV)	01	Christine Wisnom, RN, BSN
Dental Management of the Latex Sensitive Patient	01	Louis G. Depaola, DDS, MS; Christine Wisnom, RN, BSN
Dental Radiography: Understanding Radiation Exposure and Safety	02	Sharon Crowe, BS, MS
Dentin Hypersensitivity: Causes and Cures	02	Douglas M. Barnes, DDS, MS; Chong Yun Shin, DDS, MS; J. A. von Fraunhofer. MSc, PhD
Denture Cleansing: An Essential Part of Patient Care	02	J.A. Von Fraunhofer, MSc, PhD
Designing Your Office: Recommendations and Regulations	02	Chris Wisnom, BSN, RN
Domestic Violence Intervention in the Dental Setting: Child Abuse and Neglect	02	Lynn Douglas Mouden, DDS, MPH; Susan Camardese, RDH, BA
Early Childhood Caries	02	Marion C. Manski, RDH, MS
Early Detection and Prevention of Oral Cancer: The Role of the Oral Health Care Provider	01	A. Ross Kerr DDS, MSD
Early Loss of Second Primary Molars	01	Carlos Nurko, DDS, MS
Early Screening and Diagnostic Sampling Techniques for Oral Mucosal Lesions	02	Kevin Huff, DDS
Edentulous Ridge Expansion For Dental Implant Replacement	02	Dennis Flanagan, DDS, MAGD, DABGD, DIBOI/ID, DICOI, FAAID
Effect of Bonding Agents on the Corrosion of Dental Amalgam	01	J. A. von Fraunhofer, MSc, PhD, FRSC; S. C. Siegel, DDS, MS

Endodontic Preparation and Filling Procedures	04	Marwan Abou-Rass, DDS, MDS, PhD,
Ergonomic Postural Triad (EPT) Reducing Pain in Oral Health Care Providers	02	Shirley Gutkowski, RDH, BSDH
Faster Dental Cutting	02	J. A. von Fraunhofer, MSc, PhD, FRSC
Flowable Composite Resins: A Unique Class of Restorative Materials	01	Howard E. Strassler, DMD, FADM, FAGD
Fluoride Dentifrices in Preventative Oral Hygiene	02	Sean M. Wetterer, PhD
Folic Acid Deficiency & the Incidence of Recurrent Aphthous Stomatitis	03	Sharon Crowe, BS, MS
Herbal Remedies: Information for the Dental Professional	02	Richard Wynn, PhD
HIV / AIDS: 20 Years Later	02	Christine Wisnom, RN, BSN
HIV Disease / AIDS: Overview for Dental Health Care Workers	02	Christine Wisnom, RN, BSN
HIV Disease: The Evolution	02	Christine Wisnom, RN, BSN
Identifying and Protecting the Victims of Domestic Violence: Guidelines for Florida Dental Health Care Workers	02	Christine Wisnom, RN, BSN
Infection Control	02	Christine Wisnom, RN, BSN
Infection Control: A Review and Update	02	Eric Levine, DDS
Latex Allergies Guidelines for Dental Health Care Workers	01	Christine Wisnom, RN, BSN; Louis G. DePaola, DDS, MS
Maintaining Dental Implants	02	Gregori M. Kurtzman, DDS, MAGD, DICOI; Lee H. Silverstein, DDS, MS
Management of Head and Neck Infections	01	Stewart A. Bergman, DDS, MS
Management of Medical Emergencies	02	Stewart A. Bergman, DDS, MS
Management of Medical Emergencies: An Update	03	Stewart A. Bergman, DDS, MS
Managing Dry Mouth	02	Gregori M. Kurtzman, DDS, MAGD, FACD; Howard E. Strassler, DMD, FADM, FAGD Lee H. Silverstein, DDS, MS, FACD, FICD; Gregori M. Kurtzman, DDS, MAGD, FACD; David Kurtzman, DDS, FAGD; Peter C. Shatz, DDS
Mastering Esthetics in the Smile Zone	02	Kurtzman, DDS, FAGD; Peter C. Shatz, DDS
Medical Emergencies in Dentistry	03	Stanley F. Malamed, DDS
Medical, Medicinal, and Herbal Considerations in the Control of Pain Management	03	Sharon Crowe, BS, MS
Mineral Trioxide Aggregate: A Biologic Basis for its Use, Clinical Indications and Case Reports	01	Dennis M. Tucker, DDS
Minimally Invasive Dentistry	02	Keith Hollander, DDS
MRSA Detection and Prevention	02	Christine Wisnom, RN, BSN
Nickel Allergenicity and Biological Tolerance to Nickel	02	J. A. von Fraunhofer, MSc, PhD, FRSC and Stewart Bergman, DDS
Nitrous Oxide	02	Stewart A. Bergman, DDS, MS.
Nitrous Oxide Analgesia	2	Stewart A. Bergman, DDS, MS
Nutrition for the Dental Patient	03	Ronald M. Mancini, DDS
Oral Care Products for Periodontal Problems	01	Ronald Mancini, DDS
Oral Manifestations of HIV Disease: Diagnosis and Management	02	Joseph L. Konzelman, Jr, DDS; Wayne W. Herman, DDS, MS
Oral Sedation for Dental Patients: The Clinical Use of Zolpidem (Ambien®), Zalepon (Sonata®), and Eszopiclone (Lunesta®)	02	Stewart A. Bergman, DDS, MS
Osteoporosis and Periodontal Disease in Postmenopausal Women	02	Sue Hauwiller, DMD, MS
Overview of Pathogens Identified as Potential Biological Terrorism Agents CDC	01	Christine Wisnom, RN, BSN
Panoramic Troubleshooting for Doctor and Staff	3	Robert P. Langlais, DDS; Stanley J. Nelson, DDS
Preventing Pit and Fissure Caries with Sealants	02	Howard E. Strassler, DMD, FADM, FAGD; Judith Porter, DDS, EdD
Protecting Your Assets: A Daily Care Regimen for Your Hands	02	Sharon Crowe, BS, MS
Pulp Therapy in the Primary Dentition	01	Anne C. O Connell B.Dent.Sc., MS; Preston G. Shelton DDS, MS
Radiation Health, Safety and Protection	02	Linda Otis, DDS, MS
Radiation: A Review of Physics, Biology and Safety Issues for Dental Professionals	02	Ronald Mancini, DDS
Radiation: A Review of Radiographic and Processing Techniques for Dental X-Rays	02	Ronald M. Mancini, DDS
Recent Studies in Dental Cutting	02	J. A. von Fraunhofer, MSc, PhD, FRSC
Recognition and Referral for Domestic Violence: The Responsibility of the Dental Team	02	Christine Wisnom, RN, BSN
Recurrent Aphthous Ulcerations: General Characteristics, Epidemiology, Etiology, Differential Diagnosis, and Therapy	02	Frances E. Sam, DDS; Aamir Sheikh, DDS; Errol Reid, DDS; Ronald S. Brown, DDS, MS
Reduction of Bioaerosol in the Dental Office	01	Louis G. DePaola, DDS, MS

Repairing Porcelain-Metal Restorations	01	Howard E. Strassler, DMD, FADM, FAGD
Restorative Dental Cements	01	Howard E. Strassler, DMD, FADM, FAGD
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Sleep Breathing Disorders: A 21st Century Epidemic?	02	B. Kent Smith, DDS
Smoking, Tobacco and Cancer	02	Ronald M. Mancini, DDS
Substance Abuse & Addiction: A Disease with No Barriers	03	Christine Wisnom, RN, BSN
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The Characteristics and Effectiveness of OTC Pain Relievers	01	Richard Wynn, PhD
The Contamination of Protective Mouth-Guards	02	R. Thomas Glass, DDS, PhD; James W. Bullard, BA, MS, SI ASCP; Robert S. Conrad, PhD
The Controversy Over Amalgam	01	Christine Wisnom, RN, BSN
The New CDC Infection Control Guidelines and its Impact on the Practice of Dental Hygiene	02	Christine Wisnom, CDA, RN, BSN
The Role of Fluoride for Adult Dental Patients	01	Eric D. Levine, DDS; Rebecca Dix, RDH
The Short Dental Arch: Should it be lengthened?	02	Debora Armellini, DDS, MS; J. Anthony von Fraunhofer, MSc, PhD
The Use of Fluoride in Modern Dental Practice: History, Mechanism, Efficacy and Safety	02	Harold S. Goodman, DDS, MPH and Louis G. DePaola, DDS, MS
Third Molar Surgery	02	Len Tolstunov, DDS
Treatment of Dental Fear	04	Paul Glassman, DDS and Alan Rappoport, PhD
Updated Guidelines for the Management of Latent Mycobacterium Tuberculosis Infections In Health Care Workers	01	Christine Wisnom, RN, BSN
Erosion-Related Tooth Wear - Pathogenic Processes, Diagnosis, and Restorative Treatment	3	John Kross, DMD
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The Impact of Vascular and Cardiovascular Diseases on Oral Health	3	John Kross, DMD
Medication-Related Damage to Oral Hard and Soft Tissues	3	John Kross, DMD
Temporomandibular Disorders: Surgical Concepts in Diagnosis & Treatment	3	John Kross, DMD
Probiotics and the Oral Cavity	2	J. Anthony von Fraunhofer, MSc, PhD, FRSC
Vitamins & the Oral Cavity	3	J. Anthony von Fraunhofer, MSc, PhD, FRSC
Infection Control, Cross Contamination, and Instrument Sterilization Techniques	3	John Kross, DMD
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Incorporating Magnification Into Your Dental Practice	2	Glenn A. van As, DMD
Quality Radiographs: A Review of Traditional Film Processing	2	Sharon Crowe, RDH, BSDH, MS
CDC Infection Control Guidelines and the Practice of Dental Hygiene	3	Marie T. Fluent, DDS
Caries Management by Risk Assessment: CAMBRA in Dental Practice	3	Elena Francisco, RDH & Amy Nieves, RDH
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JUL 02 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Clinton County Dental Club Study

Contact Person: Philip Schmitt Phone: (563) 243-2324 Fax: (563) 242-0402

Address: 300 N. 2nd St. Clinton, IA 52733 E-mail: moxdds@gmail.com

2. Name of Current Officers, Title, Address, Phone:

Dr. Philip Schmitt-D.D.S. president

300 No. 2nd St Clinton, IA 52732

(563) 243-2324

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Dr. Philip Schmitt Phone: (563) 243-2324 Fax: (563) 242-0402

Full Address: 300 N. 2nd St. Clinton, IA 52732

Internet Address: _____ E-mail: moxdds@gmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 6

5. How many courses, meetings or programs do you anticipate sponsoring this year? 6

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1553 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
11/10/09	Implants	Dr. Jennifer Fritz	Comer Deli	2
1/2/10	Orthodontics	Dr. David Schrody	"	2
2/9/10	CAD/CAM Implants	Dr. Thomas Nueez	"	2
3/9/10	Dental Injuries	Dr. Bruce Eggleston	"	2
10/27/10	TMJ	Dr. Gibson / M. Kitzema	"	2
11/6/10	Infection Control	Kristee Malmberg	"	2
1/19/11	Interceptive Orthodontics	Dr. Welser Dr. Marine	"	2
3/16/11	Oral Surgery Current Trends	Dr. Dewitt Dr. King	"	2
10/18/11	Missionary Dentistry setup, skills, Sterilization	Dr. Michael Callan	"	2
11/15/11	Sop's Life Intra Oral Camera	Dr. Bob Dr. Brian Redken	"	2

cont.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Kathy Massa

Address: # 300 N. 2nd St. Phone: 243-2324
Clinton, IA 52732

Signature: Kathy Massa Date: 6-27-12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

RECEIVED

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D ♦ Des Moines, IA 50309-4687
Phone (515) 281-5157 ♦ www.dentalboard.iowa.gov

AUG 6 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Continuing Education Studies, Inc.

Contact Person: Ruth Ludeman Phone: 703-536-0735 Fax: 703-533-1153

Address: 900 S. Washington, #G13 Falls Church, VA 22046 E-mail: RuthL@continuingedstudies.com

2. Name of Current Officers, Title, Address, Phone:

Susan J. Young, President, 900 S. Washington St., #G13, Falls Church, VA (703) 536-0735

Joseph Salta, Vice President (same as above)

Ruth L. Ludeman, Secretary (same as above)

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Ruth Ludeman Phone: 703-536-0735 Fax: 703-533-1153

Full Address: 900 S. Washington St., #G13, Falls Church, VA 22046

Internet Address: www.continuingedstudies.com E-mail: RuthL@continuingedstudies.com

4. How many courses, meetings or programs did your organization sponsor last year? 7 new

5. How many courses, meetings or programs do you anticipate sponsoring this year? 4 new

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#2035 \$100

Course ID	Title/Description	Credits
00002	The Role of the Dental Healthcare Provider in Vital Nightguard Tooth Bleaching - This course describes ideal candidates, vital bleaching, technique, necessary steps in fabrication of the NGVB stent and appointment sequence.	1
00003	The Role of The Dental Healthcare Provider as Office Safety Supervisor – This course describes ways to organize office safety training, record keeping requirements and the 12 essential tasks of office safety training.	1
00004	Detection of Precancerous and Cancerous Oral Lesions – This course describes the procedure for taking a brush biopsy and the role of computer assisted diagnosis in the detection of precancerous and cancerous oral lesions.	1
01002	The Role of the Dental Healthcare Provider in Thumb Sucking Prevention and Treatment – This course addresses theories of the causes, potential dentofacial changes and orthopedic problems and successful treatment options.	1
01003	Guidelines to Reduce the Risk of Tuberculosis Infection – This course describes the cause and spread of TB, ways to identify and manage infected patients, how to develop, implement and maintain TB infection control plan and policies and how to evaluate TB infection control programs.	1
01004	Mixing and Manipulation of Zinc Oxide Eugenol Temporary Cement – This course lists the necessary armamentarium required for mixing, the specific indications for use, the necessary steps, general uses of zinc oxide in dentistry, working and setting time required, special precautions and clean up procedures.	1
02001	Anthrax: Signs, Symptoms and Recommendations – This course describes necessary precautionary measures, conditions under which a facility should be closed, signs and symptoms of inhalation anthrax, the three types that infect humans and the recommended drugs for treatment.	1
02003	Treating Patients with Developmental Disabilities – The course describes the requirements of the Americans with Disabilities Act and specific dentofacial characteristics of patients with Down's syndrome. Considerations in treating developmentally disabled patients are listed.	1
03001	Oral Manifestations of Smokeless Tobacco – This course lists the usage and forms of smokeless tobacco, the harmful contents, general effects, dental diseases and conditions of the oral cavity associated with, the diagnostic criteria of leukoplakia/snuff dipper's pouch and the types of oral cancers associated with smokeless tobacco use.	3
03002	Common Radiographic Pitfalls and How to Prevent Them – This course identifies common radiographic exposure and processing pitfalls and how to avoid or correct them.	1
03003	Personal Protective Equipment for the Dental Team – This course describes the most commonly used types of gloves, acceptable eye protection and outer protective garments, proper laundry procedures and the latest OSHA provisions.	3
03004	The Adverse Effects of Oral Piercing – This course reviews a case history in loss of attachment due to tongue piercing. It describes the methodology used, health risks, complications and critical factors of concern to young athletes.	3
03005	Emerging Trends in Orthodontia – This course discusses trends, appliances, technology, products, strategies and successful preventive orthodontic treatment.	1
03007	Glass Ionomer Cement - This course lists the armamentarium required for manipulation and application, minimal required PPE, clean-up procedures and special considerations for working with glass ionomer cement.	1
03008	What Members of the Dental Team Need to Know about Viral Hepatitis – This course describes disease management precautions, steps required if accidental exposure, known routes of transmission, symptoms, common signs and risk factors.	3
03009	Dry Socket (Alveolitis/Alveolar Osteitis/AO): Causes, Treatment and Prevention – This course identifies the most common causes, risk factors, treatment and methods of minimizing and preventing postoperative complications.	3
04001	Occupational Safety – Part I – This course identifies and describes potential occupational hazards, common health risks, preventive measures, and methods to reduce the potential of occupational hazards.	1
04002	Occupational Safety – Part 2 – This course identifies and describes potential occupational hazards related to dental bonding materials, acrylics, acid etchant and	1

Course ID	Title/Description	Credits
	methods to reduce them. Risks associated with noise levels, symptoms of hand injuries are also discussed.	
04003	Calcium Hydroxide Liner: Applications in Dentistry - This course describes the use, instrumentation, manipulation and application of calcium hydroxide, clean-up procedures and special considerations for working with calcium hydroxide cavity liner.	1
04004	Hand Care and Hand Washing Technique for the Dental Team – This course describes updated CDC guidelines, related information, specific reasons and rationale for performing procedures correctly, 12 steps of proper technique and its importance.	2
05001	Fabrication of a Self-Curing Custom Resin Tray – This course describes the use, composition and properties of self-curing acrylic material for fabrication of a custom tray. Criteria for an acceptable custom tray and special considerations when fabricating a custom resin tray are listed. The four stages of polymerization and the armamentarium and procedure for fabricating a self-curing custom resin tray are also described.	1
05002	Improving Practice Efficacy with Dental Photography – This course lists and describes the applications of oral photography; compares the advantages of traditional versus digital; discusses photographic terminology and equipment and ways to communicate with patients and labs to increase acceptance of digital photography.	1
05003	Film Placement: Ensuring Radiographic Quality – This course describes the benefits, advantages and principles of the paralleling (XCP) dental X-ray technique. Elements of radiographic quality, necessary steps for proper film placement in the maxillary and mandibular archs using the XCP/PID techniques are listed and discussed.	1
05004	Soda in the Schools: What Dental Team Members Can Do – This course describes the role the DHCW has in educating patients about the health risks associated with high-sugar content beverages and strategies the DHCW can take to recommend healthful beverage choices are listed. ADA and American Academy of Pediatrics recommended policies and strategies to eliminate or reduce sugar consumption with regard to school vending machine contracts for "pouring rights" are discussed.	1
05006	Pouring and Trimming Study Models – This course describes the uses and properties of plaster and stone (gypsum materials) used in dentistry; the steps required to pour and trim study models for diagnostic purposes and case presentation and lists the preferred chemical disinfectant for study models.	1
06001	Guidelines for Cleaning Dental Unit Waterlines – This course lists and describes the CDC's position; the four steps required to set protocols for cleaning; the three types of products available to help ensure safe levels, three things the dental office can do to ensure that water filtration products and services have been properly evaluated and discusses the CDC's recently released advisory on assessing dental equipment, devices and waterlines following storm damage.	1
06002	Diagnosis and Treatment of Dental Hypersensitivity – This course lists and describes the causes of dental hypersensitivity, management and treatment strategies including non-invasive and invasive, how to prevent and treat dental hypersensitivity associated with at-home whitening products and methods to prevent postoperative sensitivity in posterior composite restorations.	1
06004	Oral Manifestations of Diabetes – This course describes the incidence, prevalence of, risk factors, typical symptoms and oral manifestations of the disease. Recommended treatment modalities are discussed. (Clinical Course)	1
06005	Ergonomics in Dentistry – This course defines ergonomics as it relates to dentistry and describes the seven principles of four-handed dentistry, the five classifications of motion and ergonomic principles for the dentist/operator and chairside dental assistant.	1
07001	Restless Legs Syndrome and Oral Health – This course defines restless legs syndrome, describes symptoms, relates the prevalence of RLS and its link to dental implications, lists 4 categories of medications commonly prescribed, special	1

Course ID	Title/Description	Credits
	precautions that must be taken and dental therapeutic remedies for the alleviation of RLS and associated treatment.	
07002	Instrument Recirculation – This course names the two new innovative mechanisms designed to improve instrument management, describes working concept of the class B sterilizer and the requirements and prior considerations for converting to an automatic instrument washer/disinfector. ADA's considerations for the instruction processing area are listed and recommendations for dental healthcare workers safety during instrument processing are described.	1
07003	Dental Implications of Sleep Apnea – This course defines, describes, lists and differentiates the types of sleep apnea and the risk factors associated. Common signs and symptoms including dental craniofacial symptoms are discussed. Accepted treatments, adjunct appliances and surgical techniques are described.	1
07004	Implications for Treating the Pregnant Dental Patient – This course describes ADA's recommendations for dental treatment during pregnancy, indications for exposing radiographs on a pregnant patient, most preferred trimester for dental treatment, categories of medications and their implications and terms pregnancy tumor, pregnancy gingivitis and gestational diabetes and treatment implications.	1
07005	Laser Dentistry – This course describes the unique features and advantages to both the dental team and patients. Current dental treatment applications available and disadvantages associated with lasers are listed. Commonly used types of dental lasers are listed and compared.	1
07006	Nitrous Oxide – This course describes how nitrous oxide is administered, adverse affects, personal hygiene procedure to protect DHCWs, potential dangers with recreational use/abuse, methods and guidelines to reduce risk and recommendations for monitoring and measurement of airborne N2O.	1
07007	California Dental Practice Act – Mandatory course only for California dental license renewals.	2
08001	Impacted Wisdom Teeth: An Update – This course defines the term, list most common causes, common indications for removal, commonly cited reasons for prophylactic removal and most common surgical procedure. Procedures for surgical removal are described and the potential use of stem cells harvested from wisdom tooth pulp is related.	2
08002	MRSA: What the dental team needs to know – This course defines the term MRSA, its origins, forms of infections, risk factors for each and common methods of transmission. CDC recommended steps to help prevent cross contamination and guidelines to follow, how diagnosed and treatment are described.	1
08003	Helping Patients with Bad Breath: Causes of Oral Malodor and Current Methods of Treatment – This course lists the most common oral and systemic causes. Most common methods of diagnosing halitosis are listed and described as well as currently accepted treatment for patients seeking relief from oral malodor.	2
08004	Mercury Amalgam Safety and Hygiene for the Dental Team (Revised) – This course discusses the use of mercury, mercury vapor leaks, facts about amalgam restorations, ADA recommended guidelines, mercury spills and ADA best practices for Amalgam waste.	2
08005	Oral Cancer: Prevention Through Early Detection – This course discusses various oral cancer detection methods, the role of computer-assisted brush biopsy diagnosis, the role of biomarker testing in the diagnosis of oral cancer and the number of Americans who use tobacco and the number diagnosed annually with oral cancer.	2
08006	Substance Abuse: Awareness and Prevention (Update includes "Meth Mouth") - This course describes the signs and characteristics consistent with substance abuse. Causes, manifestations of, obligations of dentist, symptoms and management of, signs specifically associated with dental personnel and recommended strategies to detect and refer patients are all discussed.	3
09001	Avoid Dental Malpractice – Learn the most common reasons patients sue for dental malpractice, ways to reduce the practice's risk for malpractice litigation, and what to do in the event of a malpractice suit.	1
09002	The Link Between Oral Cancer and HPV (human papillomavirus) – This course discusses the strains of HPV most commonly associated with oral cancer, the rising	2

Course ID	Title/Description	Credits
	incidence of oral cancer associated with HPV in young males, the epithelial and mucosal areas of the body likely to be infected, the various types of tests and treatments and the efficacy of Gardasil™ in preventing HPV-related cervical cancers in young girls.	
09003	Thyroid Disorders in the Dental Patient - This course covers the anatomy and physiology of the thyroid gland and its hormones, common signs and symptoms of hypothyroidism and hyperthyroidism, clinical and laboratory methods for evaluating patients, the epidemiology, clinical presentation and pathologic findings of the major types of thyroid disease and how to provide safe, effective dental care to patients with thyroid disease.	3
09004	Dental Radiology Update - This course describes how X-rays work, how often dental radiographs should be taken, the four types of radiation and their relevance to dentistry and the need for quality assurance. Also discussed if the significance of occupational exposure, proper handling and disposal, OSHA required MSDSs and responsibilities of members of the dental team.	2
09005	Dental Laboratory Asepsis – This course describes the rationale for disinfection required for dental lab cases to prevent chain of infection, the necessary infection control protocol for the in-house lab, the four necessary components of infection control protocol for the outside dental laboratory and explains why disinfection of cases is necessary when sending a case out to the dental lab or when the case is returned from the lab. (Clinical Course)	2
10001	Hemostasis: General Principles and Disorders – This course discusses the general process by which blood clots, mechanisms that oppose blood clotting, evaluating a patient with a suspected bleeding or thrombotic disorder, clinical signs and symptoms, treatments available for uncontrolled post-operative bleeding.	2
10002	Bone Grafting For Implant Reconstruction – This course discusses the common causes of bone loss, biology of bone formation in grafting procedures, types of dental bone grafting materials, commonly used synthetic bone graft substitutes, general technique in bone grafting procedure, available bone grafting procedures, common complications and common factors affecting the success rate of bone grafts.	2
10003	Dental Care for the Patient with Multiple Sclerosis – This course describes disease symptoms, affect on dental care and oral health, various orofacial co-morbidities, medications the patient may take, risk of drug complications and how to develop a plan of care for a patient and educate in oral self-management.	2
10004	Anemia – A brief review with practical applications for the dental professional – This course discusses the structure of the red cell, common laboratory tests to diagnose anemia, more common types of anemia, clinical signs and symptoms and the effect anemia has on dental management.	2
11001	Leukemia – Signs, symptoms and implications for dental management – This course discusses the development, spreading, major types of, signs and symptoms of leukemia. Unique effects of leukemia on dental management and how to adjust patient care accordingly are also discussed. Author Kristine Krafts, M.D.	2
11002	Seniors Are More Than Denture Care – A CAMBRA Approach – This course discusses concepts of aging and oral health, the impact of latest oral systemic link evidence, the relationship of oral disease to common age related systemic diseases, methods to manage dry mouth for older adults, defines CAMBRA and ART and creating evidence based care plans. Author Patti DiGangi, RDH, BS	2
11003	Lymphoma – Signs, symptoms and implications for dental management - This course discusses more common types of lymphoma, methods of diagnosing, clinical signs and symptoms, unique symptoms and general methods of treating these symptoms. Author Kristine Krafts, M.D.	2
11004	The Facts on HIV, HBV, & TB Infections – This course is mainly concerned with dental healthcare personnel's exposure to pathogenic microorganisms. These organisms include HIV, HBV, HCV, Mycobacterium tuberculosis, Creutzfeldt-Jakob Disease, staphylococci, streptococci, and other viruses, and bacteria that colonize or infect the oral cavity and respiratory tract. At the completion of this course students will: 1. Remove the hysteria and high emotions regarding potential diseases that healthcare personnel may be exposed to during a dental procedure. 2. Learn what is	2

Course ID	Title/Description	Credits
	necessary before an infection can take place. 3. Necessary precautions to take when dealing with high risk patients. Author: Kenneth C. Colerick, DDS	
11005	Infection Prevention: What it means in 2011 Rolling the dice with patients health – This course discusses the modes of disease transmission, the importance of integration of health profile data, difference between sterilization and disinfection, emerging and re-emerging diseases, the <i>new bugs</i> on the block, reviews enhanced basic steps in sterilization techniques. Author: Patricia M. Pine, RDH, This course satisfies the California Dental Board requirement for 2 units of "infection control" continuing education for biennial relicensure.	2
11006	Treating and Preventing Asthma Attacks in the Dental Office - This course discusses the rising incidence of asthma, two major contributors to morbidity and mortality rates, common medications and their effects, emergency procedures, methods in prevention and reduction of asthma attacks during appointments.	1
11007	Causes & Treatment of Xerostomia (Dry Mouth) This course describes the condition, contributing causes, associated factors, diseases and patient education At the completion of this course students will: 1) describe the condition xerostomia and list contributing causes and associated factors and diseases. 2) Discuss the importance of the role of saliva in maintaining dental health. 3) Describe ways the dental healthcare provider can help educate patients afflicted with xerostomia about available treatment options. Author's Bio: Ellen Dietz, CDA, AAS, BS,	1
12001	Growth Factors and Periodontal Regeneration – Growth factors are essential biological mediators that occur naturally. They facilitate cell growth, differentiation, survival, and function in specific cell populations.7 Without growth factors life as we know it would not exist. At the completion of this course students will be able to: 1. Define the difference between repair and regeneration. 2. Discuss the potential for periodontal tissues to undergo repair versus regeneration. 3. Discuss the concepts of oral wound healing in periodontics. 4. Understand the role of growth and differentiation factors in periodontal regeneration. 5. Discuss the principles of the biology of wound healing. 6. Understand the molecular and cell biology of cementum. 7. Discuss the role of cementum in periodontal wound healing and regeneration. 8. Understand the role of growth factors as indicators of periodontal disease activity. 9. Discuss the methods available to deliver growth factors to sites of periodontal disease. 10. Discuss the future use of gene therapy to target growth factors to periodontal tissues. 11. Discuss how human derived dental stem cells might have potential use in the future. 12. Discuss the use of stem cells in periodontal regeneration. 13. Discuss the impact of growth factors and cytokines on the differentiation of osteoblasts. 14. Discuss the regulation and interaction of growth factor pathways. Author's Bio: Sue Hauwiller, DMD	8
12002	A Review of Surgical Asepsis and Preparation before Performing the Surgical Dental Procedures - Surgical asepsis is the procedure done to reduce or eliminate contaminants; such as bacteria, viruses, fungi, and parasites, from entering the operative field to prevent infection. This contamination of the field of operation may occur from outside or from within the body. Surgical team must practice standard precautions to prevent any risk of contamination. If the precautions are not followed then the infection may be introduced on hands, instruments or ligatures, or by droplet infections. The goal to perform asepsis protocol is to eliminate infection and not sterility. Sterility is the "complete removal of contaminants. Upon completion of this course, the participant will: 1) Understand the definition of asepsis. 2) Understand the aseptic procedures followed in an oral surgery office. 3) Understand the risks for not following the proper aseptic procedures. Author Dr. Aamna Nayyar	2

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

SEP 4 REC'D

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: CPR and the Works

Contact Person: Anita Siddall Phone: 319 310-6335 Fax: _____

Address: 866 Oakland Rd NE Cedar Rapids IA 52402 E-mail: Cprandtheworks@gmail.com

2. Name of Current Officers, Title, Address, Phone:

Anita Siddall Dental Hygienist (see above)

Mike Siddall American Heart Assoc. Instructor (see above) 319 310-1335

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Anita Siddall Phone: 319 310 6335 Fax: _____

Full Address: CPRandtheWorks 866 Oakland Rd NE Cedar Rapids IA 52402

Internet Address: CPRandtheWorks.com E-mail: cprandthework@gmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 8

5. How many courses, meetings or programs do you anticipate sponsoring this year? 10

6. Which of the following educational methods does your organization use? Please check all applicable:

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: CPR

#2019 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
	CPR recertification	Anita Siddall	@office	3 hours
	Medical Emergencies in the Dental office a team approach			3 hours

Dates:

1-26-11	Dr Shaw's office		11/4/12 Integrated Periodontics	
1-28-11	Dr Gerb's office		1-6-12 Tyler Link + Barnes (13pm)	
4/18/11	Medin Family Dental		1-24-12 Tyler Link + Barnes (6pm)	
4/13/11	Therapy Solutions		11-25-12 Tracy Kittrel	
5/4/11	Integrated Periodontics		2-10-12 Gordon Peterson	
6/8/11	Homewatch			
9/28/11	Affordable Dentures			
11/2/11	Dr Doug MacDougal			

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I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Anita Siddall

Address: 866 Oakland Rd NE Cedar Rapids IA Phone: 319-310-6335

Anita M. Siddall 8/30/12
Signature Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

F 1420158 "Jul

SPONSOR RECERTIFICATION APPLICATION RECEIVED

IOWA DENTAL BOARD

JUL 13 2012 6061

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Creighton University School of Dentistry

Contact Person: Marletta McKercher Phone: 402-280-5054 Fax: 402-280-5969

Address: 2500 California Plaza, Omaha, NE 68178 E-mail: mmckerch@creighton.edu

2. Name of Current Officers, Title, Address, Phone:

Rev. Timothy Lannon, S.I., President, 2500 California, Omaha, NE, 402-280-2770

Dr. Mark Latta, Dean School of Dentistry, 2500 California, Omaha, NE 68178 402-280-5061

Dr. Dennis Higginbotham, Director, 2500 California, Omaha, NE 68178, 402-280-4586

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Marletta McKercher Phone: 402-280-5054 Fax: 402-280-5969

Full Address: School of Dentistry, Creighton University, 2500 California Pla., Omaha, NE 68131

Internet Address: creighton.edu/dentalschool E-mail: mmckerch@creighton.edu

4. How many courses, meetings or programs did your organization sponsor last year? 26

5. How many courses, meetings or programs do you anticipate sponsoring this year? 25

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#00906061 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
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Please see attached lists

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Marletta McKercher

Address: 2500 California, Omaha, NE 68178 Phone: 402-280-5054

Marletta McKercher 6/3/12
Signature Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

February 24, 2012
Winter Pathobabble (3 hours)
Dr. Stephen Hess & Dr. Hardeep Chehal

February 17-18, 2012
Radiology for Dental Assistants (16 hours)

February 3-7, 2012
Play and Learn-Costa Rica
Cutting Edge Radiology (12 hours)
Dr. Douglas Benn

February 15, 2012
Street Drugs Exposed (6 hours)
Dr. Harold Crossley

Infection Control and OSHA Annual Review (3 hours)
Dr. James Howard
March 2, 2012

Coronal Polishing for Dental Assistants (14 hours)
March 29, 2012 (14 hours)

Radiology for Dental Assistants (16 hours)
April 20-21, 2012

Periodontal Symposium (6 hours)
June 1, 2012
Dr. Ernesto Lee, Keynote Speaker

Upcoming Courses for 2011
Dental Continuing Education

February 13-20, 2011

Oceanside Resort Costa Rica

Expanding Restorative Horizons (12 hours)

Dr. Scott DiLorenzo

February 25-26

Radiology for Dental Assistants (16 hours)

March 11, 2011

OKU Lecture (6 hours)

Easier Surgical Extractions Using New High-Tech Devices - Essential for Today's Economy,

Dr. Karl Koerner

March 12, 2011

Surgical Hands-On Workshop (5 hours)

Dr. Karl Koerner

March 18, 2011

Infection Control and OSHA Annual Update

(3 hours)

Dr. James Howard

April 15-16

Radiology for Dental Assistants (16 hours)

May 6, 2011

Cone Beam CT (6 hours)

Dr. Douglas Benn

May 27, 2011

New Paradigms in Dental Implantology

(3 hours)

Zhimon Jacobson, DMD, MSD

May 29-June 5, 2011

Under the Tuscan Sun

Bone Regenerative Procedures

New Ways in Periodontics

Restorative Dentistry and Endodontics

(12 hours)

July 21-19 Baltic Cruise

Copenhagen, Denmark

**Prosthodontics Redux: What we knew then,
What we know now, and What it means..."**

(12 hours)

Dr. Charles Wilcox

August 19, 2011

Street Drugs Exposed (6 hours)

Dr. Harold Crossley

August 26-27

Radiology for Dental Assistants (16 hours)

Dr. Douglas Benn

September 9, 2011

Pain Management (6.5 hours)

Health Sciences Consortium Course

September 15-17, 2011**

Spring Dental Assembly (up to 13.5 hours)

October 21, 2011

Cone Beam CT (6 hours)

Dr. Douglas Benn

November 4, 2011

Endo Course (6 hours)

Dr. Jerry Glickman

November 11-12

Radiology for Dental Assistants (16 hours)

December 2, 2011

Infection Control and OSHA Review (3 hours)

Dr. James Howard

December 8, 2011

Coronal Polishing for Dental Assistants (14 hours)

Dr. Dennis Higginbotham, Course Director

Creighton University
School of Dentistry
Dental Continuing Education
Upcoming Courses

Correction of Severe Defects in Edentulous Ridges of Dental Arches

June 8, 2010 3 hours
Fernando Canargiu, D.D.S.
Maureen Lang, D.D.S.

**Erin Go CE
Tour of Ireland**

Clinical Oral Pathology
June 17-27, 2010 12 hours
James Drummond, DDS, MSD, PhD

Radiology for Dental Assistants

August 13-14, 2010 16 hours
John W. Shaner, DMD, M.S.
Course Director

Coronal Polishing for Dental Assistants

September 9-10, 2010, 14 hours
Dennis R. Higginbotham, DDS,
Course Director

Pain Management

September 10, 2010 6.5 hours
Frank J. Dowd, Course Director

Cone Beam CT

October 1, 2010 (6 hours)
Douglas Benn, BDS, PhD. DDR, DDS

Urban Memorial Lecture

The Treatment of Maxillofacial Battle Injuries: The Past, Present & the

Future (6 hours)
October 8, 2010
Robert G. Hale, DDS

Pedodontics Update (3 hours)

October 22, 2010
Anne S. Aiello, D.M.D.
Nicholas J. Levering, D.D.S., M.S.
Mark H. Taylor, D.D.S.,

Digital Radiography for Dental Assistants

October 22-23, 2010 16 hours
Douglas Benn, BDS, PhD. DDR, DDS
Course Director

Managing the Dental Patient in Pain and Pharmacologic Management of Orofacial Infections

November 5, 2010 6 hours
Harold L. Crossley, DDS, PhD

Magic Saturday Morning

November 6, 2010
Mr. Jeff Teate 3 hours, no CE credits
Harold L. Crossley, DDS, PhD.

Radiology for Dental Assistants

November 12-13, 2010 16 hours
John W. Shaner, DMD, M.S.
Course Director

Head and Neck Cancer Detection and Prevention

November 19, 2010 (5 hours) with optional clinic November 20, 2010 (4 hours)
John Shaner, DMD, MS, Course Director

Infection Control and OSHA Annual Review (3 hours)

December 3, 2010
James Howard, DDS, MS

Dental Topics in the Tropics CE in Costa Rica (12 hours)

February 13-20, 2011

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SPONSOR RECERTIFICATION APPLICATION

JUL 21 2012

IOWA DENTAL BOARD

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All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Delta Dental of Iowa

Contact Person: Dr. Ed Schooley Phone: 515-261-5502 Fax: 515-261-5608

Address: 9000 Northpark Dr Johnston Ia 50131 E-mail: eschooley@deltadentalia.com

2. Name of Current Officers, Title, Address, Phone:

Donn Hutchins CEO 9000 Northpark Dr- Johnston 50131 515-261-5575

Cheryl Harding COO " 515-261-5592

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Ed Schooley DDS Phone: 515-261-5502 Fax: 515-261-5608

Full Address: 9000 Northpark Dr. Johnston Ia 50131
www.deltadentalia.com

Internet Address: eschooley@deltadentalia.com E-mail: _____

4. How many courses, meetings or programs did your organization sponsor last year? 1

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1-2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: Coding

#49851 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
5/4/12	Global Diagnosis - New Vision of Diagnosis	Dr. Wm. Robbins	IDA Mtg. Des Moines	6
5/6/12	IDA Dental Reviews	Ryan Jacobson/Theresa Morgan Bruce Justman/Richard LeBlond Nicholas Lesieur	IDA Mtg. Coralville	6.25
Internet	Meth Mouth	Penni Ryan	dental school website online	2
	Diabetes/Periodontal Disease	Penni Ryan	" online	1

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Ed Schooley DNS

Address: 9000 Northpark Dr - Johnston Ia 50131 Phone: 515-241-5502

Signature: Ed Schooley Date: 7/16/12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Des Moines County Dental Society
Contact Person: Nathan Heubner Phone: 319-752-1840 Fax: 319-754-6770
Address: 700 N. 3rd St. Burlington 52601 E-mail: nathan-heubner@hotmail.com

2. Name of Current Officers, Title, Address, Phone:
Nathan Heubner, President, same as above
Bobbi Laun, Treasurer, 1706 W. Agency Rd. West Burlington 52655
↳ Elected to serve as 2013-2014 President

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.
Name: Bobbi Laun Phone: 319-752-5540 Fax:
Full Address: 1706 West Agency Rd. West Burlington, IA 52655
Internet Address: none E-mail: blaun@chcseia.com

4. How many courses, meetings or programs did your organization sponsor last year? 7

5. How many courses, meetings or programs do you anticipate sponsoring this year? 7

- 6. Which of the following educational methods does your organization use? Please check all applicable.
[X] Lectures
[] Home study (e.g. self assessment, reading, educational TV, internet courses)
[] Participation
[] Discussion
[X] Demonstration

- 7. Course Subjects Offered: (check all applicable)
[X] Related to clinical practice
[] Patient record keeping
[] Risk Management
[] Communication
[X] OSHA regulations/Infection Control
[X] Other: Dental Laboratory-related topics

#11688 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
<i>See enclosed Print-off</i>				

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Nathan Hembner

Address: 700 N. 3rd St. Burlington Phone: 319-752-1840

Nathan Hembner 8/9/12
Signature Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

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Des Moines County Dental Society Programs

1. 2/23/10, BLS for Healthcare Providers (CPR & AED certification), Frances Bohlken, RN, Great River Medical Center, West Burlington, IA, 1 CE hour
2. 2/23/10, Mandatory Reporting for Child and Dependent Adult Abuse & Neglect, DVD provided by Iowa Dental Association, Great River Medical Center, West Burlington, IA, 1 CE hour
3. 3/9/10, Emergency Medicine in the Dental Office, DVD by Dr. Stanley Malamed, Burlington Golf Club, Burlington, IA, 1 CE hour
4. 4/13/10, Restoring Mini Implants – A Practical Clinical Course, DVD by Dr. Gordon Christenson, DDS, Burlington Golf Club, Burlington, IA, 1 CE hour
5. 2/8/11, BLS for Healthcare Providers (CPR & AED certification), Frances Bohlken, RN, Great River Medical Center, West Burlington, IA, 1 CE hour
6. 2/8/11, Mandatory Reporting for Child and Dependent Adult Abuse & Neglect, DVD provided by Iowa Dental Association, Great River Medical Center, West Burlington, IA, 1 CE hour
7. 4/7/11, Implant-retained Removable Prosthesis, Dr. Emad Estafanous, DDS, Burlington Golf Club, Burlington, IA, 1 CE hour
8. 5/17/11, Implant Treatment Planning and Provisionalization, Dr. Chris Barwacz, DDS, Burlington Golf Club, Burlington, IA, 1 CE hour
9. 9/13/11, To Extract or not to Extract?, Dr. Paula Weistroffer, DDS, Burlington Golf Club, Burlington, IA, 1 CE hour
10. 11/15/11, Latest in Restorative Materials and Techniques, Dr. Steve Armstrong, DDS, Burlington Golf Club, Burlington, IA, 1 CE hour
11. Mandatory Reporting
12. 2/7/2012, Pre-Medication Requirements and Controversies, Recommended Medications for Common Dental Problems, Karen Baker, B.S. M.S., Burlington Golf Club, Burlington, IA, 1.5 CE hours
13. 3/14/12, BLS for Healthcare Providers (CPR & AED certification), Cindy DeHague, RN, Great River Medical Center, West Burlington, IA, 1 CE hour
14. 3/14/12, Mandatory Reporting for Child and Dependent Adult Abuse & Neglect, DVD provided by Iowa Dental Association, Great River Medical Center, West Burlington, IA, 1 CE hour
15. 4/13/12, Orofacial Pain: Diagnosis, Mechanisms & Management, Dr. Joe Vela, DDS, Best Western Fairfield Inn, Fairfield, IA, 3.5 CE hours
16. 4/17/12, Odontogenic Infections and Current Treatment Modalities, Dr. Steven Fletcher, DDS, Burlington Golf Club, Burlington, IA, 1.0 CE hour

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Des Moines District Dental Society

Contact Person: Thomas Becker Phone: 515-224-4455 Fax: 515-224-4040

Address: 1450 28th Street West Des Moines IA E-mail: TDBDPSG@yahoo.com
50266

2. Name of Current Officers, Title, Address, Phone:

Dr. Zach Kauri, President, 3830 ingersoll Ave, Des Moines IA 50310

Dr. Michael Dandson, Pres Elect, 8573 vibondale Ave vibondale IA 50322

Dr. Blair Smith, VP, 475 550th Street, West Des Moines IA 50265

Dr. Thomas Becker, Sec/Treas. see above.

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Thomas Becker Phone: 515-224-4455 Fax: 515-224-4040

Full Address: 1450 28th Street West Des Moines IA 50323

Internet Address: _____ E-mail: TDBDPSG@yahoo.com

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#3046 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
2 MAR 2012	Preventing medical Errors	Dr. Roy Shelburne	Prairie Meadows Gilman	6
23 Sep 2011	Radiology and Infection control	Ms. Terri Deal	Prairie Meadows	3
23 Sep 2011	Temporomandibular Disorders in 21st Century	Dr. Gary Klasse	Prairie Meadows	6
4 March 2011	Evidence Based Dentistry	Dr. David Holmes Dr. Terese Marshall	Dr. Armstrong Dr. Dargatzis	6
24 Sept 2010	Complex Prosthodontic Rehabilitations	Dr. Jeffrey Rose	Marriott Des Moines	6

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I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Thomas Becker

Address: 1450 28th Street West Des Moines Phone: 515-224-4455
IA 50266

Signature:  Date: 6/27/2012

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: DICKINSON COUNTY DENTAL SOCIETY

Contact Person: CRAIG E NEWELL DDS, MS Phone: 712-336-3428 Fax: 712-336-1722

Address: P.O. Box 407, SPIRIT LAKE, IA 51360 E-mail: dr.craig.newell@questoffice.net

2. Name of Current Officers, Title, Address, Phone:

PRESIDENT: COURTNEY MEYER DDS

VICE-PRESIDENT: AMY HARTZELL DDS

Secretary/Treasurer: CRAIG NEWELL DDS

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: CRAIG E. NEWELL DDS, MS Phone: 712-336-3428 Fax: 712-336-1722

Full Address: P.O. Box 407, SPIRIT LAKE, IA 51360

Internet Address: _____ E-mail: dr.craig.newell@questoffice.net

4. How many courses, meetings or programs did your organization sponsor last year? 6

5. How many courses, meetings or programs do you anticipate sponsoring this year? 6

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

(no check #) \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
10/11/2011	GOTHIC ARCH TRACER (making denture fabrication predictable)	Prodenco Labs.	Okoboji	2
11/8/2011	POT Pourri of Pearls	Dr. Michael Moffitt	Okoboji	2
12/6/2011	Surgical Treatment & Orthodontics	Dr. RANDALL BINZER	Okoboji	2
1/10/2012	First Molar Extractions & other Peds Tidbits	Dr. Brea Schmidt	Okoboji	2
2/21/2012	Gingival Surgery & Soft tissue Treatments	Dr. Bruce Cbehrene	Okoboji	2
3/13/2012	CRACKED TEETH	Dr. David Spencer	Okoboji	2

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I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: CRAIG E. NEWELL DDS, MS

Address: P.O. Box 407, SPIRIT LAKE, IA 51360 Phone: 712.336.3428

Craig E. Newell
Signature Date 7/17/12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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ADVISORY COMMITTEE ON CONTINUING EDUCATION
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AUG 2 REC'D

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Dynamic Dental Educators

Contact Person: Mark Taris Phone: 813.435-5244 Fax: 813.969.2901

Address: 13176 N. Dale Mabry Hwy #144 Tampa, FL 33618 E-mail: support@dynamicdental.com

2. Name of Current Officers, Title, Address, Phone:

Mark Taris President 13176 N. Dale Mabry Hwy #144 Tampa, FL 33618
Susan Taris Vice-President same

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Mark Taris Phone: 813.435-5244 Fax: 813.969.2901

Full Address: 13176 N. Dale Mabry Hwy #144, Tampa FL 33618

Internet Address: www.dynamicdental.com E-mail: support@dynamicdental.com

4. How many courses, meetings or programs did your organization sponsor last year? 54

5. How many courses, meetings or programs do you anticipate sponsoring this year? 59

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1595 \$100

Dynamic Dental Educators - www.DynamicDentalEd.com

Toll Free 888.439.5632 Fax 813.969.2901

Dynamic Dental Educators Course Summaries

Access to Dental Care – course #5039 – 3 Credits

This course discusses the inadequate access to dental care for underserved populations including the poor, the elderly, children, the disabled, the under educated and certain racial and ethnic groups. How cultural barriers can affect proper dental care is also reviewed. Results of inadequate dental care, the role of insurance and Medicaid, along with some solutions to dental care access are identified.

Antibiotic Use in Dentistry – course #5047 – 3 Credits

This course will provide an overview of the antibiotic, antiviral, and antifungal formulations most frequently used in the scope of dental treatment for oral and maxillofacial infections which are caused by pathogenic organisms. Also discussed will be the spectrum of microbial activity, drug interactions, common indications for administration and potential side effects.

CAD/CAM – Digital Impressions – course #5048 – 2 Credits

This course discusses the advantages and disadvantages of CAD/CAM technology in the dental office, reviews the types of systems available, explains procedures for scanning and creating high resolution imaging to be used for restorations and discusses how this technology is changing dental restorations for both the dental office and the patient.

California Dental Practice Act – course #5029 – 2 Credits

This course is a review of the California Dental Practice Act. Topics covered include: the definition of the Practice of Dentistry, Acts violating the Dental Practice Act, License Requirements, Prescriptions and CURES and Duties of Dental Auxiliaries. Each topic in the Act is not covered due to the Act's length, only the sections which are most likely to impact your dental career.

California Infection Control – course #5052 – 2 Credits

This course is a review of infection control standards for the California dental professional. Topics reviewed include: personal protection equipment, sterilization (including heat sterilization monitors), disinfection, hand hygiene, other potentially infectious materials, sharps and dental laboratories. There is a review of various CDC Guidelines for Infection Control in Dental Health Care Settings.

Chemical Dependency – course #5045 – 2 Credits

This course discusses the science of addiction by reviewing how addiction develops and some factors leading to chemical dependency. Strategies for dealing with substance abuse through prevention, as well as some treatment options for substance abusers, along with managing a drug free workplace will be reviewed. (Meets Chemical Dependency requirement in TN and AZ. For additional chemical dependency courses, please see our Substance Abuse courses.)

Dental Lab/Technician Laws and Rules – course #6001 – 2 Credits

This course will review the regulations in the Florida Statutes which govern the business of dental laboratory operation and the profession of dental laboratory technology. Areas discussed include: shade verification, infection control, continuing education requirements, advertising and requirements for becoming a certified dental technician. Sample Laboratory Procedure Prescription and Laboratory Case Point of Origin and Material Disclosure Forms are provided. (This course was created for the Florida Dental Professional).

Diabetes – course #5005 – 3 Credits

This course explores the causes, prevalence, and symptoms of Diabetes Mellitus types I and II. The reader will learn how to identify possible cases of diabetes, how to treat diabetic emergencies, and the effect diabetes has on dental health. Additionally, the prevention of diabetes is discussed, along with managing the dental patient, giving dental professionals information they can share with their patients.

Digital Radiography – course #5050 – 2 Credits

This course will review the components and fundamental concepts of digital radiography (digital imaging). Also discussed will be the advantages and disadvantages, basic infection control for intra-oral digital receptors, common errors associated with digital imaging and the difference between direct and indirect digital imaging.

Domestic Violence – course #5001 – 2 Credits

This course enables dental professionals to realize the magnitude of domestic violence and gain an understanding of the signs, symptoms, and injuries indicative of possible domestic violence. This course also helps dental professionals realize the reluctance of many victims to reveal the true cause of their injuries and gives them resources to share with their patients.

Dry Mouth (Sjogren's Syndrome) – course #5012 – 2 Credits

This course enables dental professionals to understand Sjogren's Syndrome, commonly known as dry mouth, by discussing its prevalence, causes, and symptoms. In addition, the reader will understand how to diagnose dry mouth and talk to patients about the condition. Dental professionals will learn of the available treatments for dry mouth and how to administer them.

Eating for a Healthy Mouth – course #5033 – 4 Credits

This course is intended to provide awareness and a better understanding of the connection between optimal nutrition and its impact on oral health. Topics discussed include: dietary considerations for the dental patient, nutritional counseling in the dental practice and how a diet affects dental caries and periodontal disease. Also, vitamins, minerals, major nutrients and antioxidants are reviewed.

Emergency Medications – course #5013 – 3 Credits

This course discusses which medications should be included in an emergency kit, the proper uses of emergency kit medications, and which medications to use in different emergency situations. Sections include first-line emergency drugs, second-line emergency drugs, and supplementary drugs. The course provides dental professionals with information they need to make informed decisions in emergency situations.

Ergonomics in Dentistry – course #5054 - 2 Credits

This course will discuss the most common musculoskeletal disorders which result from prolonged static postures and how the pain associated with these disorders can progress over the course of a dental career. Some treatment options will be reviewed, as well as ergonomic adjustments that can be made in the office to help prevent or retard the advancement of chronic pain and make the dental professional and their patients feel more comfortable in the office.

Florida Dental Practice Act – course #5017 - 3 Credits

This course is designed to help the reader understand the Florida Dental Practice Act - its purpose, scope, and the regulatory structure created by it. Dental professionals will learn of the requirements that dentists must fulfill under the Act and the rights afforded dentists under the Act, as well as duties that a dentist may delegate. Additionally, the scope of practice for dental hygienists is covered, making this course ideal for both dentists and hygienists. Finally, the course details prohibitions against certain conduct and grounds for disciplinary action for violations of the Act.

Hepatitis B – course #5023 - 2 Credits

This course offers an overview of Hepatitis B. The reader will learn how Hepatitis B is transmitted and progresses, recognize risk factors and symptoms, and understand vaccination and treatment options. In addition, dental professionals will be given the guidelines they need to successfully implement a postexposure management program within the dental practice.

Hepatitis C – course #5024 - 2 Credits

This course offers an overview of Hepatitis C. The reader will learn how Hepatitis C is transmitted and progresses, recognize risk factors and symptoms, and understand current treatment options available to people infected with the virus. In addition, dental professionals will be given the guidelines they need to successfully implement a postexposure management program within the dental practice.

Hepatitis Comprehensive – course # 5022 – 4 Credits

This course is an overview of all Hepatitis strains. The reader will learn how to identify risk factors and symptoms of hepatitis, understand available vaccination and treatment options, and recognize appropriate prevention techniques for each type of hepatitis. In addition, dental professionals will be given the guidelines they need to successfully deal with postexposure management and implement a successful exposure management program within the dental practice.

HIV and AIDS – course #5002 – 2 Credits

This course discusses the epidemiology of HIV and AIDS, the effect of HIV on the immune system, clinical manifestations of HIV and AIDS, and modes of HIV transmission. Also discussed are the means of preventing HIV infection and the treatment of HIV disease and AIDS, topics dental professionals can discuss with patients. The course also covers infection control procedures recommended for dental practice, and the clinical manifestations of dental patients with HIV disease. **THIS COURSE IS NOT APPROVED FOR KENTUCKY.**

Human Papilloma Virus and Oral Cancer – course #5036 – 2 Credits

This course is intended to provide awareness and a deeper understanding of the risks associated with the Human Papilloma Virus (HPV) and Oral Cancer. Dental office screening protocols will be reviewed, as well as, clinical signs and symptoms of oral cancer.

Implications of Eating Disorders – course #5015 – 3 Credits

This course discusses the role dental professional plays in nutrition education and extensively covers the major eating disorders. Anorexia nervosa and bulimia nervosa are defined and described including physical signs and symptoms, medical complications, and characteristic behaviors of persons with the disorders. The course also covers cultural, personal, and social factors that lead to eating disorders and available treatments. Of special interest are intervention strategies for dentists and hygienists, proper dental care and hygiene for patients with eating disorders, and the oral manifestations of eating disorders.

Indiana Ethics, Statutes and Rules – course #5032 - 2 Credits

This course is a review of the Principles of Ethics and Code of Professional Conduct as set forth by the American Dental Association. It does not cover each and every ethical rule contained in the Code, but does discuss the principles of ethics, the Code of Professional Conduct, and principles of patient autonomy. Readers will also learn the principles of doing no harm, and review some more common rules related specifically to the Indiana Code and Statutes and Rules.

Infection Control – course #5008 – 4 Credits

This course will review procedures and practices which can provide effective protection against infection and cross-contamination by discussing standard precautions, sterilization and disinfection, hand hygiene, personal protection equipment, microorganism transmission, dental labs, postexposure management and prophylaxis, extracted teeth, radiographs and dental prostheses. Also, there is an overview of the most common diseases which present the greatest concerns among dental professionals and their patients. Also discussed are various CDC Guidelines for Infection Control in Dental Health Care Settings, as well as various CDC Guidelines for Environmental Infection Control in Health Care Facilities. **THIS COURSE IS NOT APPROVED FOR NEW YORK.**

Infectious Disease and Oral Infection – course #5038 - 3 Credits

This course helps dental professionals to identify patients who are at-risk or highly susceptible to infection, from opportunistic infectious diseases, as a result of dental procedures and/or pre-existing medical conditions. The dental professional will become familiar with oral and systemic infections and how some may result as a side effect of dental procedures and routine oral care. Some of the topics covered include: localized infection, diabetes, HIV/AIDS, bacterial endocarditis, acid reflux, herpes virus, hepatitis B and D and coxsackie virus. Readers will learn to identify appropriate prophylactic and post-procedural antibiotic treatments, and be aware of specific procedures that may create a higher risk of infection.

Introduction to Implant Dentistry and Osseointegration – course #5016 – 3 Credits

This course explores osseointegration, or creating a stable bone anchorage of an oral implanted metal tooth to bone. It discusses why this approach is better than soft-tissue anchorages and helps the dental professional gain an understanding of the working definition of osseointegration, the important factors for reliable bone anchorage of an oral implant, and the biocompatible materials for osseointegration. Also discussed are how physical implant design and surface characteristics play a role in bone tissue integration and how host bone surgical technique and load consideration affect osseointegration.

Lasers in Dentistry – course #5051 – 2 Credits

This course discusses the properties and types of lasers used in dentistry, explains clinical applications in which lasers are used for treating hard and soft tissue, discusses safety precautions to protect the patient and staff when working with lasers, discusses some benefits and drawbacks to using lasers in dentistry and defines the basic components of lasers.

Latex Allergy – course #5006 – 2 Credits

This course introduces dental professionals to the complexities of latex allergies, including the reasons for increased prevalence of latex allergy, latex allergy statistics, and the possible risk factors for latex allergy. It provides information that will allow dental professionals to differentiate between and describe the three types of latex reactions, give examples of latex allergy symptoms, evaluate prevention methods, and uncover inconsistencies in latex glove composition.

Local Anesthetics Review – course #5042 – 2 Credits

This course will review the most commonly used topical and local anesthetics in dentistry. Also discussed will be the use of vasoconstrictors with local anesthetics to assist in achieving and maintaining anesthesia; how local anesthetics are metabolized and excreted by the body and reversal agents for local anesthetics. Also, the importance of a good patient medical history will be reviewed.

Maryland Abuse and Neglect – course #5058 – 2 Credits

This course examines the issue of child abuse and neglect, and the abuse and neglect of the elderly and disabled persons in the State of Maryland from a public health and safety perspective. Reviewed is a general understanding of the prevalence of the problem, who's at risk, how society is affected, and the safety net that is currently in place to help families in need. Also reviewed are Maryland state policies regulating reporting procedures, along with state sponsored programs providing services to the population at risk for abuse and neglect.

Maryland Infection Control – course #5059 – 2 Credits

This course is a review of infection control standards for the Maryland dental professional based on MOSH, OSHA and CDC guidelines. Topics reviewed include, but not limited to: personal protection equipment, hand hygiene, disinfectants, immunization, other potentially infectious materials, sharps, post-exposure evaluation and equipment decontamination.

Medical Emergencies – course #5027 – 4 Credits

This course assists the dental professional in identifying and attending to the more common medical emergencies encountered in the dental office. The dental professional will learn how to assign a medical risk level to their patients, how to address drug related emergencies and how to attend to an unconscious patient. A sample office emergency protocol form is included, as well as suggested contents for emergency kits.

Nitrous Oxide in Dentistry – course #5043 – 2 Credits

This course will review nitrous oxide equipment operations, discuss the advantages and disadvantages of using nitrous oxide, review incremental and rapid induction techniques, briefly discuss the respiratory system and summarize ADA guidelines for nitrous oxide. Also, complications of using nitrous oxide will be reviewed.

Nutrients to Restore Periodontal Health – course #5057 – 4 Credits

This course discusses the nutrients important to periodontal tissue growth and repair, and which foods and supplements supply them. It helps dental professionals to gain a better understanding of the periodontal tissue structure and the changes it undergoes when diseased. After studying the course, practitioners will understand the different types and amounts of nutrients and vitamins necessary for periodontal health, and how periodontal health relates to overall health.

Nutrition and Chronic Disease – course #5021 - 3 Credits

This course explores the relationship between nutrition and chronic disease and the consequences of a poor diet. Discussions include the components of a healthy diet, the relationship between health and diet, and the nature of chronic disease. Also reviewed are the relationships between diet and several major diseases: cardiovascular disease, diabetes, cancer, and osteoporosis. This course also assists the dental professional in giving their patients sound advice on how to eat a healthy, nutritious diet that promotes both dental health and general wellness, and helps patients avoid chronic disease.

Nutrition and Dental Health – course #5014 - 2 Credits

This course provides dental professionals with a review of the nutritional components required for good dental health and clarifies their role in providing nutrition education to their patients. Topics discussed include the status of dental health in the United States, the general relationship between nutrition and dental health, and the role of the dental hygienist in providing nutrition education. Readers will also learn current dietary guidelines for the United States, nutrition and dietary factors related to dental caries, and the role of key nutrients in building strong teeth and gums. Upon completing this course, dental professionals will be in a position to advise their patients on how best to eat in order to preserve dental health.

Nutrition and Diet – course #5020 - 4 Credits

This course explores the link between healthy eating and overall well-being. Topics discussed include: the factors which influence food choices, the influence of diet on health and disease, and essential nutrients and how to obtain them. It also examines the current dietary guidelines recommended by the U.S. Departments of Agriculture and Health and Human Services and the revised MyPlate food guide, which helps to implement this approach. Once a dental professional has completed this course, they will be able to make basic recommendations to patients concerning healthy eating habits.

Oral and Maxillofacial Viral Diseases – course #5035 - 2 Credits

This course will discuss viral diseases which effect the oral cavity and surrounding facial tissues. The viruses will include the Herpes Virus family, Human Papilloma Virus, Measles, Mumps, Chickenpox, Shingles and HIV. Also discussed will be treatments and prognosis of the viruses and opportunistic infections which cause problems for HIV patients.

Oral Cancer Detection – course #5046 - 4 Credits

This course will discuss the role of the dental professional in oral cancer detection, how biological changes can promote oral cancer and review the stages of oral cancer of the lip and oral cavity. Also reviewed are the examination steps for oral, head and neck cancer and teaching oral self examinations to the patient.

Oral Manifestations of Systemic Diseases – course #5041 - 3 Credits

This course discusses the oral manifestations of varied disease processes and conditions, the most prevalent oral side effects of medications used to treat systemic diseases and the effects of chemotherapy and radiation therapy on the oral cavity. Some diseases reviewed are STD's such as candidiasis, HIV/AIDS and oral hairy leukoplakia, psychiatric diseases and autoimmune diseases. Pregnancy and menopause are also discussed.

Oral Surgery Extractions - course #5049 - 3 Credits

This course will review patients who have the common chronic illnesses of hypertension, diabetes, osteoporosis, hepatic and renal disease and cardiovascular disease, and their influence upon patients having tooth extractions. Also reviewed will be common post surgical complications and options for their treatment.

Osteoporosis – course #5037 - 3 Credits

This course will provide dental practitioners with an understanding of osteoporosis, along with its prevention, causes, treatment options and detection using dental x-rays. Also discussed will be nutrients which are needed to build bone, anti-nutrients which lead to bone disease, side effects of some commonly used osteoporosis medications and oral early warning signs of osteoporosis.

Pain Control and Management – course #50101 –2 Credits

This course discusses pain control and management and how it relates to the practice of dentistry. By adequately controlling and managing pain, dental professionals may clear the way for improved dental health among patients who view dental visits as "too painful" based on their experiences with pain and anxiety. This course reviews pharmacological strategies of local anesthesia, sedation, and analgesics, as well as, special considerations in pain control and management for children, pregnant women, the elderly and the disabled.

Periodontal Health Maintenance – course #5031 – 3 Credits

This course will discuss oral health maintenance in adults and children and how important it is for the patient to maintain a rigid oral health maintenance program through proper home care and regular dental visits after periodontal treatment. In addition, local and systemic antibiotic therapy, supragingival and subgingival irrigation, home care devices (including oral irrigators and power toothbrushes), dentrifices, mouthrinses and treatment considerations for periodontal health maintenance are discussed.

Pharmacology in the Office – course #5018 - 3 Credits

This course is a review of the possible adverse reactions caused by drug interactions. Concentrating on the drugs most commonly used in dentistry, this course teaches dental professionals drug combinations to avoid and which situations present the most opportunity for adverse drug interactions.

Prevention of Medical Errors – course #5025 - 2 Credits

This course discusses the identification and prevention of medical errors in dentistry. It allows the dental professional to understand the types and magnitude of medical errors and the factors that contribute to an increased risk of medical errors. The course also explains how to identify populations vulnerable to medical errors, dental professionals' responsibility for reporting medical errors, and the processes to implement that will reduce the occurrence of medical errors.

Radiograph Detection of Atherosclerosis – course #5034 - 2 Credits

This course will discuss atherosclerosis or hardening of arteries and how panoramic radiographs can be used to identify atherosclerotic lesions during a routine dental exam. Also, patients at high risk for atherosclerosis and screening measures for atherosclerosis are reviewed.

Rules, Laws, and Ethics – course #5003 – 2 Credits

This course is a review of the Principles of Ethics and Code of Professional Conduct as set forth by the American Dental Association. It does not cover each and every ethical rule contained in the Code, but does discuss the principles of ethics, the Code of Professional Conduct, and principles of patient autonomy. Readers will also learn the principles of doing no harm, duties of a dental professional to provide dental care, rules for utilizing non-profit and commercial referral services and patients rights and responsibilities. **Indiana residents please select Indiana Ethics, Statutes and Rules for your course requirements.**

Special Needs Patients – course #5040 – 4 Credits

This course defines a special needs patient, which includes people with both mental and physical disabilities. Disabilities such as: Alzheimer's, Cerebral Palsy, Eating Disorders, Heart Conditions, Down Syndrome, Mental Disability, ADHD, Autism, Multiple Sclerosis and Parkinson's are reviewed. The reader will understand how to accommodate the requirements of some special needs patients to aid them in maintaining proper oral healthcare when possible. Some dental organizations are identified which can assist the disabled population.

Stress Management – course #5019 – 4 Credits

This course is designed to help dental professionals, including students, learn to deal with the uncertainty of modern living and the demands of personal and professional life in order to provide better care for their patients and themselves. Readers will learn to identify major sources of stress and to change perceptions of these stressors when they cannot be avoided, making them better able to focus on the job of providing dental care. Also, the reader will become familiar with the fight or flight response, definitions and causes of stress, the signs and symptoms of stress, the health consequences of stress, appropriate and effective stress management, and understand the stressors which occur in the dental practice.

Substance Abuse & Addiction – course #5044 – 2 Credits

This course will review alcoholism, drug addiction, illicit drugs and tobacco, list some of the more commonly abused drugs and discuss drug use and abuse among age groups. Also, identifying and managing an addicted patient will be discussed along with an overview of substance abuse treatment. (Meets Chemical Dependency requirement in TN and AZ. For additional chemical dependency courses, please see our Chemical Dependency course.)

Substance Abuse Adult – course #5004 – 2 Credits

This course deals with adult substance abuse and its effects on general and dental health. After completing this course, dental professionals will be able to identify a patient with a substance abuse problem, identify symptoms of withdrawal from specific substances and comprehend the negative health effects of alcohol, cocaine, heroin, marijuana, tobacco and OTC and prescription drugs. They will also be able to differentiate between alcohol dependence and alcohol abuse and to understand and distinguish between the terms, substance abuse and chemical dependency. (Meets Chemical Dependency requirement in TN and AZ. For additional chemical dependency courses, please see our Chemical Dependency course.)

Substance Abuse Pediatric – course #5011 – 2 Credits

This course discusses facts about substance abuse (chemical dependency) in children. The dental professional will gain a basic knowledge of current substance abuse trends among children and understand what causes a child to be at risk for substance abuse. They will also learn mechanisms for preventing and treating pediatric substance abuse and should feel more comfortable addressing pediatric substance abuse issues. In this way, they will be better prepared to offer assistance to their younger patients and their parents should the need arise. (Meets Chemical Dependency requirement in TN and AZ. For additional chemical dependency courses, please see our Chemical Dependency course.)

Teeth Whitening – course #5030 - 3 Credits

This course provides dental professionals with information about teeth whitening. A brief history of bleaching is discussed, along with intrinsic and extrinsic staining. Internal and external teeth bleaching are discussed along with their adverse reactions. Some external bleaching topics discussed include: tray versus strip delivery, OTC products, dentrifices and general side effects.

Tobaccos Oral Health Affects – course #5007 - 3 Credits

This course examines tobacco use in the United States and the various effects it has on dental health. After completing this course, dental professionals will be able to differentiate among the various types of tobacco uses and the subsequent risk each type imposes, identify the reasons why cigarettes and smokeless tobacco are the prime risk factors for oral cancer, and determine why smokeless tobacco users have a high risk of dental caries. Readers will also be able to explain tobacco's added risk factors for periodontal disease and recognize the possible effects of maternal smoking on pregnancy. Also discussed will be the risks of environmental tobacco smoke on nonsmokers and children and a high level review of tobacco cessation therapy, along with determining a guideline for assessing a tobacco user's readiness to quit.

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

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JUL 09 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Eastern Iowa Community Colleges

Contact Person: Mary Briones Phone: 563-336-3447 Fax: 563-336-3451

Address: 306 West River Drive, Davenport, IA 52801 E-mail: mbriones@eicc.edu

2. Name of Current Officers, Title, Address, Phone:

N/A

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Mary Briones Phone: 563-336-3447 Fax: 563-336-3451

Full Address: 306 West River Drive, Davenport, IA 52801

Internet Address: www.eicc.edu E-mail: mbriones@eicc.edu

4. How many courses, meetings or programs did your organization sponsor last year? 447

5. How many courses, meetings or programs do you anticipate sponsoring this year? 447

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV, internet courses)
Participation
Discussion
Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other: BLS Healthcare Provider CPR, Mandatory Reporter

#635204 \$100

**Eastern Iowa Community College District
Iowa Dental Board
Sponsor Recertification Application
July 1, 2010 – June 30, 2012**

Date	Course Title	Instructor	Location	# Hours
07/01/10-06/30/12	BLS Health Care Provider / Renewal	Various Certified Instructors	Scott, Clinton, Muscatine, Various Dental Offices	2-4 hours as required by AHA
07/01/10- 06/30/12	Dependant Adult & Child Mandatory Reporter	Various Qualified Instructors	Scott, Clinton, Muscatine, & Various Dental Offices	2 hours; Classroom, Home Study, MediaSite
07/01/10- 06/30/12	Blood Borne Pathogens	Various Qualified Instructors	Scott, Clinton, Muscatine, & Various Dental Offices	2 hours; Classroom, Home Study, MediaSite
10/21/10	Esthetic Considerations	Jennifer Fritz, DDS	SCC Belmont Campus Bettendorf, IA.	2 hours
10/27/10	Making a Difference: Dental Care in Schools	Briana Boswell	SCC Urban Center Davenport	1.5 hours
11/06/10	Infection Control & Radiography	T. Ball, K. Malmberg	SCC Belmont Campus	4 hours
02/07/11	Orthodontic Appliances	Anne Richards, DDS, & Michelle McManus, DDS	SCC Belmont Campus	2 hours
03/10/11	Overview OMS	Karen Potaczek, DDS	SCC Belmont Campus	2 hours
03/11/11	Let the Tooth Be Known	Dianne Testa	MCC Muscatine Campus	7 hours
04/21/11	You Get On My Nerve	J. Chiappinelli, DDS	SCC Belmont Campus	2 hours
05/19/11	Dental Radiography	Jody Jorgensen	SCC Belmont Campus	2 hours
03/22/12	Dental Sleep Medicine	David Jerrin, DDS	SCC Belmont Campus	2 hours
05/24/12	Dental Infection Control	T. Ball	SCC Belmont Campus	2 hours
06/21/12	TMJ/TMD	Jeff Bessman, DDS	SCC Belmont Campus	2 hours

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: FORT DODGE DISTRICT DENTAL SOCIETY

Contact Person: ROBERT RONCONI Phone: (515) 573 4044 Fax: _____

Address: 130 N. 9TH ST. FORT DODGE, IA. 50501 E-mail: taebob@yahoo.com

2. Name of Current Officers, Title, Address, Phone:
PRESIDENT DR JON DE JONG 604 KENYON Rd, Ste 120 Ft Dodge IA 50501
PRES SILEN DR LEO MURPHY 803 OHIO ST WESTCA CITY IA 50595
VICE PRES DR BRIAN FLESHNER ?? CARROLL, IA 51401
SECY/TREASURER DR ROBERT RONCONI 130 N. 9TH ST FT DODGE IA 50501

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: ROBERT RONCONI DDS FAGD Phone: (515) 573444 Fax: _____

Full Address: 130 N. 9TH ST./FT. DODGE, IA. 50501

Internet Address: _____ E-mail: taebob@yahoo.com

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
 - Home study (e.g. self assessment, reading, educational TV, internet courses)
 - Participation
 - Discussion
 - Demonstration
- WE MIGHT USE, USUALLY LECTURES ONLY

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: RADIOLOGY RECERTIFICATION

#736 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
3/26/12	CREIGHTON REVIEW	L. PARRISH, BS, DAS, MS T. MIYAMOTO, DAS	STARVIE VILLAGE FR DODGE IA	6 (1/2 DAY 3 hrs)
9/26/11	IF IMPLANTS ARE SO EASY, WHY DON'T THEY ALL COME OUT PERFECT?	R. SCHNEIDER, DAS, MS	STARVIE VILLAGE FR. DODGE, IA	6 (1/2 DAY 3 hrs)
3/28/11	INFECTION CONTROL IN DENTISTRY IIP: AN UPDATE AND REVIEW EX-RAY RECERTIFICATION	J. HOWARD, DAS, MS. R. PIER, RDH, MA	STARVIE VILLAGE FR DODGE IA	2 FOR XRAY 6 (1/2 DAY 3 hrs)
9/20/10	DENTAL PORTRAIT	L. DEIL DINE, CDT SCOTT McMillen	STARVIE VILLAGE FR DODGE IA	6 (1/2 DAY 3)
3/22/10	CLINICAL PEDIATRIC DENTISTRY: TRENDS, TECHNIQUES, & CHALLENGES	M. KANELIS, DAS, MS	STARVIE VILLAGE FR DODGE	6 (1/2 DAY 3 hrs)

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: ROBERT RONCONI, DAS, FRCD

Address: 130 N. 9th St. Fr Dodge IA Phone: 515 573 4044

Signature: Robert Ronconi Date: 6/29/12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Fort Dodge District Dental Society Study Club

Contact Person: Chris Bogue DDS Phone: 712 792 4375 Fax: 712 792 3371

Address: 703 Simon Ave P.O. Box 997 E-mail: bogue@onebox.com
Carroll, IA 51401

2. Name of Current Officers, Title, Address, Phone:

Chris Bogue Pres 703 Simon Ave Carroll IA 51401 712 792 4375

Andy Shelly Treas 902 2nd Ave N Ft. Dodge IA 50501 515-573-8351

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Chris Bogue DDS Phone: 712 792 4375 Fax: 712 792 3371

Full Address: 703 Simon Ave P.O. Box 997 Carroll IA 51401

Internet Address: none E-mail: bogue@onebox.com

4. How many courses, meetings or programs did your organization sponsor last year? 0

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#19893 \$100

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Frank I. Molsberry Study Club
Contact Person: Gary W. Colwell Phone: 515-993-3522 Fax: 515-993-4600
Address: 906 Main, Adel, Ia. 50003 E-mail: None

2. Name of Current Officers, Title, Address, Phone:
Russ Carlson - pres.
Bill Pearce - Secy. - Treas.

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.
Name: Gary W. Colwell Phone: 515-993-3522 Fax: 515-993-4600
Full Address: 906 Main, Adel, Ia. 50003
Internet Address: NA E-mail: NA

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1

6. Which of the following educational methods does your organization use? Please check all applicable.
- Lectures
 - Home study (e.g. self assessment, reading, educational TV, internet courses)
 - Participation
 - Discussion
 - Demonstration

7. Course Subjects Offered: (check all applicable)
- Related to clinical practice
 - Patient record keeping
 - Risk Management
 - Communication
 - OSHA regulations/Infection Control
 - Other: CPR recert, Child r Adult Abuse

#677 \$100

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All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Great River Oral and Maxillofacial Surgery, P.C.

Contact Person: Beth Mohr Phone: 503-557-1440 Fax: 503-557-9052

Address: E-mail:

2. Name of Current Officers, Title, Address, Phone:

Dr. Andrew DeWitt Program Director as above

Dr. T.J. King, III Program Director as above

Dr. Michael Dalton Program Director as above

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Beth Mohr Phone: 503-557-1440 Fax: 503-557-9052

Full Address: 100 Bryant St Dubuque, IA 52003

Internet Address: greatriveroms.com E-mail: bmoehr@greatriveroms.com

4. How many courses, meetings or programs did your organization sponsor last year? 8 or more

5. How many courses, meetings or programs do you anticipate sponsoring this year? 8

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures (checked)
Home study (e.g. self assessment, reading, educational TV, internet courses)
Participation
Discussion (checked)
Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice (checked)
Patient record keeping
Risk Management (checked)
Communication (checked)
OSHA regulations/Infection Control
Other:

\$1053 \$100

Continuing Education 8-31-10 thru 8-31-12

Date	Title	Instructor	Location	# of hours
9/21/2010	Dental Implants: Current Trends/Treatment Planning	T. J. King, III, D.D.S., M.D.	Dubuque, IA	1
9/14/2010	Loading Protocols/The Ease of Restoring Implants	Robert Blackwell, D.D.S.	Dubuque, IA	1
9/28/2010	Dental Implants: Current Trends/Treatment Planning	T. J. King, III, D.D.S., M.D.	Dubuque, IA	1
10/12/2010	Implant Therapy as part of the Continuum of Care	Clark Stanford, D.D.S., PhD.	Dubuque, IA	1
11/9/2010	Implant Treatment and the Edentulous Maxilla	Thomas Salinas, D.D.S.	Dubuque, IA	1
1/11/2011	Current Trends in Implant Dentistry/Sleep Apnea	T.J. King III, D.D.S., M.D.	Dubuque, IA	1.5
1/11/2011	Surgical Oral Pathology	Thomas Williams, D.D.S., M.D.	Dubuque, IA	1
1/19/2011	Surgical Oral Pathology	Thomas Williams, D.D.S., M.D.	Dubuque, IA	1
2/8/2011	The Failing Implant	Michael J. Dalton, D.D.S.	Dubuque, IA	1.5
3/8/2011	Treatment Planning with Cone-Beam CT	Andrew M. DeWitt, D.D.S./Matt Meyer	Dubuque, IA	1
3/22/2011	Sleep Apnea	T.J. King III, D.D.S., M.D.	Dubuque, IA	1
4/15/2011	Implant Temporization	Thomas Ford, D.D.S.	Dubuque, IA	4
5/5/2011	Enhancing Restorative Outcomes thru Implant Design	Mariano Polack, D.D.S., M.S.	Dubuque, IA	1.5
6/21/2011	Imaging/Bone Grafting/Coding	T.J. King, D.D.S., M.D.	Dubuque, IA	1
6/28/2011	Imaging/Bone Grafting/Coding	T.J. King, D.D.S., M.D.	Dubuque, IA	1
7/26/2011	n-Sequence CBCT Treatment Planning	T.J. King, D.D.S., M.D.	Dubuque, IA	1
9/12/2011	Quarterly Emergency Office Review: Delayed Responsiveness	Michael J. Dalton D.D.S. Andrew M. DeWitt, D.D.S. T. J. King III, D.D.S., M.D.	Dubuque, IA	1
9/13/2011	Three Aspects of Implant Applications	Alan Carr, D.D.S.	Dubuque, IA	1.5
9/21/2011	Dental Implants in your Office	T. J. King III, D.D.S., M.D./Matt Meyer	Dubuque, IA	1
9/28/2011	Dental Implants in your Office	Michael J. Dalton D.D.S./Matt Meyer	Dubuque, IA	1
10/11/2011	Prosthetic Review	T.J. King III, D.D.S., M.D.	Dubuque, IA	1.5
10/26/2011	Dental Implants in your Office	Michael J. Dalton D.D.S./Matt Meyer	Dubuque, IA	1
11/10/2011	Hyperbaric Wound Healing	Dr. David Arnold	Dubuque, IA	1
11/15/2011	Dental Implants in your Office	Andrew M. DeWitt, D.D.S./Matt Meyer	Dubuque, IA	1
11/17/2011	Implant Esthetics in Young Adults	George Priest, D.M. D.	Dubuque, IA	1.5
1/13/2012	The Four Keys to Anterior Aesthetics	Gary Morris, D.D.S.	Dubuque, IA	4
1/18/2012	Dental Implants in your Office	Michael J. Dalton D.D.S./Matt Meyer	Dubuque, IA	1
2/7/2012	Cone Beam CT in the Dental Practice	Jeffrey H. Brooks, D.M. D.	Dubuque, IA	1.5
2/13/2012	Quarterly Emergency Office Review: Difficult Airway	Michael J. Dalton D.D.S. Andrew M. DeWitt, D.D.S. T. J. King III, D.D.S., M.D.	Dubuque, IA	1
3/6/2012	Anterior Esthetic Cases & Increasing Implant Case Acceptance	Andrew M. DeWitt, D.D.S./Matt Meyer	Dubuque, IA	1.5
4/17/2012	Teamwork:High Esthetic Results on base of Temporary Restorations	Peter Buddrus-Breil	Dubuque, IA	1.5
5/8/2012	An Open Table Discussion on Esthetic Implant Dentistry	Dr. Paul Olin	Dubuque, IA	2
5/8/2012	The Staff's Role with Dental Implants	Michael J. Dalton D.D.S./Matt Meyer	Dubuque, IA	1
5/15/2012	The Staff's Role with Dental Implants	T. J. King III, D.D.S., M.D./Matt Meyer	Dubuque, IA	1
5/16/2012	The Staff's Role with Dental Implants	T. J. King III, D.D.S., M.D./Matt Meyer	Dubuque, IA	1
6/11/2012	Quarterly Emergency Office Review: The Combative Patient	Michael J. Dalton D.D.S. Andrew M. DeWitt, D.D.S. T. J. King III, D.D.S., M.D.	Dubuque, IA	1
6/22/2012	The Staff's Role with Dental Implants	Andrew M. DeWitt, D.D.S./Matt Meyer	Dubuque, IA	1

SPONSOR RECERTIFICATION APPLICATION

RECEIVED

IOWA DENTAL BOARD
400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

JUL 11 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: GSC HOME STUDY COURSES

Contact Person: SHARON PETERSON Phone: (508) 638-7065 Fax: (508) 894-0177

Address: 400 MANLEY ST, W BRIDGEWATER, MA 02379 E-mail: Speterson@westernschools.com

2. Name of Current Officers, Title, Address, Phone:

ROBERT SAMPLE C.E. Director (same address as above) (508) 638-7000
DEBRA LEFKOWITZ BUSINESS MGR. (same as above) (508) 638-7064

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: SHARON PETERSON Phone: 800-231-7159 Fax: (508) 894-0177

Full Address: 400 MANLEY ST, WEST BRIDGEWATER, MA 02379

Internet Address: www.gscce.com E-mail: gscce@gscce.com

4. How many courses, meetings or programs did your organization sponsor last year? 110

5. How many courses, meetings or programs do you anticipate sponsoring this year? 110-115

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
[X] Home study (e.g. self assessment, reading, educational TV, internet courses)
Participation
Discussion
Demonstration

7. Course Subjects Offered: (check all applicable)

- [X] Related to clinical practice
Patient record keeping
[X] Risk Management
[X] Communication
[X] OSHA regulations/Infection Control
Other:

GSC HOME STUDY COURSES

**Continuing Education Provider Course List
Courses Offered August 2010 through July 2012**

Name of Provider Organization: GSC Home Study Courses
Address of Provider Organization: 400 Manley Street, West Bridgewater, MA 02379
Name of Contact Person: Sharon Peterson
Date Offered: All courses are offered as on-going home study

GSC's Item #	Course Titles Currently Offered	Name and Qualifications of Instructor	# CE Hours Granted
L0137	Accidental Tooth Avulsion	Ellen Dietz-Bourguignon, CDA, AAS, BS	3
L0084	AIDS - Occupational Safeguards Update	Mary K. Miller, PharmD, MD & Kathi Brown-Favrot, RN	3
L0041	Alcohol and Drug Abuse in Expectant Mothers	Karen Espeland, MSN, RN, CARN	3
L0065	Alcohol and Other Chemical Dependencies: Detection & Treatment	Karen Espeland, MSN, RN, CARN	3
L0014	Application and Removal of Dental Dams	Ellen Dietz, CDA Emeritus	3
L0138	California Dental Practice Act	John F. Kross, DMD, MSc & Michael Gade, BA, BS, DDS	3
L0168	Caries Management by Risk Assessment: CAMBRA in Dental Practice	Elena Francisco, RDH & Amy Nieves, RDH	3
L0115	Caries Prone Patients - Oral Hygiene, Diet Choices, Nutritional Assessment & Counseling	Marilee Sears, RDH	3
L0169	CDC Infection Control Guidelines and the Practice of Dental Hygiene	Marie T. Fluent, DDS	3
L0119	Childhood Caries and Oral Health Habits	John Kross, DMD	3
L0053	Childhood Dental Disease	Ellen Dietz, CDA Emeritus	3
L0044	Common Oral Motor Disorders Affecting Dental Patients	Michael Gade, DDS & Ellen Dietz, CDA Emeritus	3
L0102	Comparing Condensable Composites - First & Second Generation & Emerging Technologies	John Kross, DMD & Michael Gade, DDS	3
L0021	Complications Associated with Oral Surgery	Ellen Dietz, CDA Emeritus	3
L0082	Craniofacial Injuries - the Dentists Forensic Obligations	Paul Andrews, DDS	3
L0161	Dental Implants - Complications & Peri-Implant Diseases	John F. Kross, MSc, DMD	3
L0135	Dental Management of Obstructive Sleep Apnea	John Kross, DMD	3
L0029	Dental Perceptions - Battered Women / Child Abuse	AJ Barnert, RDH	3
L0099	Dental Radiology - Controlling Infection	John Kross, DMD	3
L0043	Dental Treatment of Medically Compromised Children	John Kross, DMD	3
L0116	Diabetes Mellitus - A Link to Periodontal Disease	John Kross, DMD	3
L0019	Drug Abuse - Dental Concerns	John Kross, DMD	3
L0040	Drug and Alcohol Abuse in the Elderly	Karen Espeland, MSN, RN, CARN	3
L0042	Drug and Alcohol Addiction in People with Disabilities	Karen Espeland, MSN, RN, CARN	3
L0140	Early Orthodontic Treatment	A.J. Barnert, BS, RDH, MA, MFT	3

L0086	Elder Abuse and Neglect - The Dental Teams Role and responsibility for Detection and Prevention	Ellen Dietz, CDA Emeritus	3
L0058	Endodontic Post-and-Cores - A Review	John Kross, DMD	3
L0046	Endodontic Therapy - Current and Future Paradigms	John Kross, DMD	3
L0125	Erosion-Related Tooth Wear - Pathogenic Processes, Diagnosis, and Restorative Treatment	John Kross, DMD	3
L0097	Ethical Decision Making in Dental Practice	Ethical Decision Making in Dental Practice	3
L0101	Exostoses of the Maxilla & Mandible	John Kross, DMD	3
L0113	Fluorides - Benefits, Efficacy, Safety and Patient Education	AJ Barnert, RDH	3
L0054	Fluoride Products - Comparisons and Precautions	Mike Gade, DDS & Ellen Dietz, CDA Emeritus	
L0011	Geriatric Dentistry - Dental Concerns for the Aging Population	John Kross, DMD	3
L0148	H1N1 Flu: Implications for Healthcare Professional, 2nd Edition	Amy B. Bernard, MS, BSN, RN-BC & Lawrence T. Bernard, MSJ	1
L0141	Hazard Communication Concepts (OSHA)	John F. Kross, DMD, MSc	3
L0055	Herbal Medicine and Drug Interactions	John Kross, DMD	3
L0073	HIPAA and Who it Affects	John Kross, DMD	3
L0098	Hypnosis in Dentistry - Implications and Risks	AJ Barnert, RDH	3
L0057	Identifying and Referring Victims of Domestic Violence	Gail Bryant, RN, MSN, CRRN	3
L0069	Impression Tray Materials and Techniques	Ellen Dietz, CDA Emeritus	3
L0129	Improving Oral Healthcare for Patients with Special Needs	John Kross, DMD	3
L0172	Incorporating Magnification Into Your Dental Practice	Glenn A. van As, DMD	2
L0174	Infection Control Standards for California Dental Healthcare Workers	Christine Wisnom, CDA, RN, BSN	2
L0127	Infection Control, Cross Contamination, and Instrument Sterilization Techniques	John Kross, DMD	3
L0049	Inhalant Abuse - Oral & Physical Manifestations	Karen Espeland, MSN, RN, CARN	3
L0167	Introduction to Forensic Dentistry	Ellen Dietz-Bourguignon, CDA, AAS, BS	3
L0173	Lasers in Dentistry: From Fundamentals to Clinical Procedures	Donald J. Coluzzi, DDS	2
L0142	Latest Strategies in Enamel Re-Mineralization and Prevention of Carries	John F. Kross, DMD, MSc	3
L0114	Latex Allergy - Diagnosis, Management & Prevention	Gail Bryant, RN, MSN, CRRN	3
L0104	Local Anesthetics in Dentistry - A Review of Pharmacology, Absorption, Adverse Reactions and New Advances	John Kross, DMD	3
L0030	Malador - Detection and Treatment	John Kross, DMD & A.J. Barnert, RDH	3
L0087	Management of Pediatric Dental Emergencies	Ellen Dietz, CDA Emeritus	3
L0166 / L0126	Managing Medical Emergencies in the Dental Office	John F. Kross, MSc, DMD	3
L0081	Managing the Adult Dental Phobic Patient	Ellen Dietz, CDA Emeritus	3
L0122	Medical Errors in Dentistry	John Kross, DMD	3
L0134	Medication-Related Damage to Oral Hard and Soft Tissues	John Kross, DMD	3
L0031	Mercury - Safety and Contamination	John Kross, DMD	3
L0171	Mini Dental Implants: Indications, Planning & Placement	Gregory Sawyer, DDS	2
L0108	N2O Sedation - Guide to Pain & Anxiety Management	L. Anne Hirschel, DDS & Michael Gade, DDS	3
L0072	New Products in Orthodontics	John Kross, DMD	3
L0026	New Products in Periodontal Therapy 1	William Frey, DDS	3
L0064	Nonsurgical Periodontal Therapy in General Dentistry	William Frey, DDS	3

L0050	Occupational Environmental Hazards in the Dental Office - Health Risks and Prevention Measures	Ellen Dietz, CDA Emeritus	3
L0162	Oral Cancer Update - Prevention, Diagnosis & Management	Andres Pinto, DMD, MPH	3
L0074	Oral Effects and Dental Management of Chemotherapy	Ellen Dietz, CDA Emeritus	3
L0130	Oral Health Care During Pregnancy: Clinical Guidelines and Management	John Kross, DMD	3
L0160	Oral Health Issues for the Female Patient	John F. Kross, MSc, DMD	3
L0048	Oral Manifestations Associated with Gastrointestinal Disorders	Ellen Dietz, CDA Emeritus	3
L0016	Oral Manifestations of Eating Disorders	Ellen Dietz, CDA Emeritus	3
L0089	Oral Piercing - Complications and Patient Management	John Kross, DMD	3
L0025	Oral Soft Tissue Lesions - Diagnosis & Treatment	John Kross, DMD	3
L0105	OSHA & CDC Infection Control Standards & Barrier Precautions in the Dental Healthcare Setting	John Kross, DMD	3
L0131	Osteoporosis: Implications for the Oral Healthcare Provider	John Kross, DMD	3
L0176	Pediatric Abusive Head Trauma: Guidance for Dental Professionals	Anita Carroll, EdD, MSN, RN	2
L0118	Pediatric Oral Health: Caries Management & Preventative Therapy	John Kross, DMD	3
L0111	Periodontal Disease - Current & Emerging Approaches to Treatment	John Kross, DMD	3
L0112	Periodontal Disease - Risk Factors, Complications and Insights into Pathophysiology	John Kross, DMD	3
L0033	Periodontal Disease and Oral Bacteria - Understanding the Relationship, Health Risks & Disease Implications	Ellen Dietz, CDA Emeritus	3
L0092	Periodontal Ligament Injections - Advantages and Disadvantages	John Kross, DMD	3
L0147	Permanent Dental Cements - Techniques, Types, Selection	Ellen Dietz-Bourguignon, CDA, AAS, BS	3
L0106	Pharmacologic Agents Commonly Used in Dental Practice	John Kross, DMD	3
L0056	Post-Traumatic Stress Disorder - Dental Symptoms	John Kross, DMD	3
L0028	Practical Orthodontics	John Kross, DMD	3
L0093	Pregnancy and Periodontal Disease - A Review of the Findings	AJ Barnert, RDH	3
L0109	Premedication for Dental Procedures	John Kross, DMD & Michael Gade, DDS	3
L0100	Primer on Pain and Symptom Management	John Kross, DMD & Michael Gade, DDS/Gail Bryant, RN	3
L0175	Probiotics and the Oral Cavity	J. Anthony von Fraunhofer, MSc, PhD, FRSC	2
L0079	Provisional Restorations - Uses, Placement, Function and a Guide to Materials	Ellen Dietz, CDA Emeritus	3
L0083	Pulpitis	Ellen Dietz, CDA Emeritus	3
L0121	Putting Dental Pain to Rest: Review of Anesthetic Techniques	Marilee Sears, RDH	3
L0170	Quality Radiographs: A Review of Traditional Film Processing	Sharon Crowe, RDH, BSDH, MS	2
L0085	Radiation Safety, Risk Reduction & Infection Control in Dental Radiology	Michael Gade, DDS & Ellen Dietz, CDA Emeritus	3
L0077	Reducing Patient Stress - Nonpharmacological Methods	Ellen Dietz, CDA Emeritus	3
L0059	Safety in Dental Radiography	Ellen Dietz, CDA Emeritus	3
L0120	Sealants: Selection, Placement and Effectiveness	John Kross, DMD	3
L0076	Smoking Cessation - A Guide for All Health Care Providers	David Verhaag, MD	3
L0045	Systemic Risk Factors in Periodontal Disease	John Kross, DMD	3
L0136	Temporomandibular Disorders: Surgical Concepts in Diagnosis & Treatment	John Kross, DMD	3
L0091	The Hypertensive Patient - Classification and Management	John Kross, DMD, David Verhaag, MD	3
L0132	The Impact of Vascular and Cardiovascular Diseases on Oral Health	John Kross, DMD	3
L0123	The Pros and Cons of Amalgam versus Composite Restoration	John Kross, DMD	3
L0155	Tobaccos Impact on Oral Health	John F. Kross, DMD, MSc	3
L0145	Tooth Polishing	John F. Kross, DMD, MSc	3

L0066	Treating Dental Trauma - Management Techniques	Michael Gade, DDS & Ellen Dietz, CDA Emeritus	3
L0124	Treating Hypersensitive Teeth - Diagnosis, Etiology, and Pathogenesis	John Kross, DMD	3
L0070	Treating Patients with Parkinsons Disease	Ellen Dietz, CDA Emeritus	3
L0068	Update on Controlling Waterline Biofilms	Ellen Dietz, CDA Emeritus	3
L0163	Update on Vital Tooth Whitening	John F. Kross, MSc, DMD	3
L0164	Vitamins & the Oral Cavity	J. Anthony von Fraunhofer, MSc, PhD, FRSC	3
L0063 / L0157	Winning the Trust of the Child Dental Patient	Ellen Dietz, CDA Emeritus	3
L0133	Working with Fearful and Anxious Dental Patients	L. Anne Hirschel, DDS	3
GSC's Item #	Course Titles Discontinued in Past 2 Years	Name and Qualifications of Instructor	# CE Units Granted
L0107	Adverse Events & Drug Interactions of Local Anesthetics	John Kross, DMD	3
L0075/ L0139	Dental Radiography and Digital Imaging	Ellen Dietz, CDA Emeritus	3
L0103	Developments & Advances in Dental Implants - Success, Complications & Maintenance	John Kross, DMD & Michael Gade, DDS	3
L0012	Hepatitis A-G	David Verhaag, MD & Michael Gade, DDS	3
L0094	Infection Control - California Regulations	John Kross, DMD & Michael Gade, DDS	3
L0034	Infection Control in Dental Radiology	Ellen Dietz, CDA Emeritus	3
L0117	Laser Dentistry - Applications for Soft and Hard Tissue	John Kross, DMD	3
L0067	Oral Cancer - Detection, Assessment, Diagnosis	Michael Gade, DDS & Ellen Dietz, CDA Emeritus	3
L0110	Oral Health Home Care Products, Therapeutic Agents, Ingredients & ADAS Seal of Acceptance Program	L. Anne Hirschel, DDS & Michael Gade, DDS	3
L0035/ L0144	Oral Manifestations of HIV	Mary K. Miller, PharmD, MD & Kathi Brown-Favrot, RN	3
L0027/ L0146	Periodontal Therapy - Update and Review	John Kross, DMD	3
L0060	Release of the Unthinkable - Part I: Anthrax & Plague	Mary K. Miller, PharmD, MD	3
L0061	Release of the Unthinkable - Part II: Small Pox & Botulism	Mary K. Miller, PharmD, MD	3
L0062	Release of the Unthinkable - Part III: Tularemia & Viral Hemorrhagic Fevers	Mary K. Miller, PharmD, MD	3
L0047	Vital Tooth Whitening Techniques	John Kross, DMD	3

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CONTINUING EDUCATION SPONSOR APPLICATION

JAN 18 2011

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

Groups or organizations wanting to obtain status as a board-approved sponsor of continuing education must complete this application and enclose the sponsor fee of \$100.

1. Official Name of Sponsor Group: GV BLACK DENTAL Study Group of Des Moines

Contact Person: SARA LUKAN, DDS Phone: (515) 225-6742 Fax: _____

Address: 3700 Westown Pkwy West Des Moines IA 50266 E-mail: salukan@msn.com

2. Type of organization (attach bylaws if applicable):

- Constituent or component society
- Dental School
- Dental Hygiene School
- Dental Assisting School
- Other (please specify): Dental Study Club

3. If applicable, approximate number of active members 48

4. Name of Current Officers TITLE ADDRESS PHONE
515-281-773

Dr. Jeff Schwarzkopf (Pres.) 2400 Fleur Dr. Ste 200 Des Moines IA 50321

Dr. Neil Dunbar (VP) 1469 29th Street West Des Moines 50266 (515) 223-6529

Dr. Sara Lukan 3700 Westown Pkwy West Des Moines 50266 (515) 225-6742
(Secretary/Treasurer)

5. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the Board's website.

Name: SARA LUKAN (or other officers listed above) Phone: (515) 225-6742 Fax: _____

Full Address: Dental Associates PC 3700 Westown Pkwy West Des Moines, IA 50266

Internet Address: _____ E-mail: salukan@msn.com

6. Approximately how many courses, meetings or programs does your group or organization sponsor each year? 5

7. Average number of attendees at each course or meeting: 35-40

8. How many courses, meetings or programs do you anticipate sponsoring this year? 5

9. Which of the following educational methods does your organization use? Please check all applicable.

- Home study (e.g. self assessment, reading, educational TV, internet courses)
 - Lectures
 - Participation
 - Discussion
 - Demonstration
- } Primarily Lectures ; intermittent discussion, participation, demonstration.

#1150 \$100

10. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Risk Management
- OSHA regulations/Infection Control
- Other: _____
- Patient record keeping
- Communication

11. List all educational programs or courses offered during the preceding two years. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
* See Attached sheets for the information.				
All Meetings are held at the Willow Creek Golf Course Clubhouse in Des Moines, IA				

12. Please attach a program brochure, course description, or other explanatory material to describe a "typical" yearly program sponsored by your organization.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the Board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the Board rules for planning and providing continuing education.

Name of person completing this application: SARA A. LUKAN

Address: Dental Associates, PC 3700 Westown Pkwy, West Des Moines IA 50266 Phone (515) 225-6742


Signature

1/16/2012
Date

Please note: The sponsor application fee of \$100 must accompany this application. You will be contacted after the Continuing Education Advisory Committee and Iowa Dental Board has reviewed your application.

RETURN TO:
IOWA DENTAL BOARD
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687



*G. V. Black
Dental Study Group
of Des Moines*

Active Members

John Hurley - 1972	Corey Conrad - 2003
Bruce Heilman - 1983	Steffany Mohan - 2003
Dennis J. Lowman - 1983	Darren Jirsa - 2004
Kent Gleichman - 1985	Chris Correy 2004
Robert McNurlen - 1985	Steven Burds - 2004
Marion Blount - 1988	Adam Fuller - 2004
Fred Fuller - 1988	Anthony Delancey - 2005
Barbara Knapp - 1988	Jeff Aagaard - 2006
Rodney Snavelly - 1990	Scott McPherson - 2006
Robert Dahlberg - 1992	Greg McCullough - 2006
Barry Svec - 1993	Todd Nielsen - 2007
Thomas Quick - 1995	Scott Johnson - 2007
Thomas Treska - 1995	Shawn Kerby - 2007
John Reed - 1995	Richard Hall - 2008
Brian Turnquist - 1995	Zachary Dow - 2008
Jeff Schwarzkopf - 1997	Jessica Lawson - 2008
Neil Dunbar - 1998	Stephen Karbacka - 2008
Sara Lukan - 1999	Christopher Glynn - 2008
Jeff Hagan - 1999	Kyle Mann - 2009
John Frank - 1995	Kirby Amonson - 2010
Roger Brown - 2001	Andrew Chan - 2010
Joe DeMarco - 2001	Denise Evans - 2010
Bill Grask - 2001	Angelina Blass - 2011
Tom Small - 2002	Dwight Keller - 2011

Program

2011 - 2012

Monday, October 17, 2011 Willow Creek Golf Course

8:30 AM Michael K. Koceja, DDS
Incorporation of Lasers in General Dental Practices
Half day with no lunch 3 CEU
Golf outing to follow seminar and short meeting

Monday, November 21, 2011 Willow Creek Golf Course

8:30 AM John Hellstein, DDS, MS
New Bisphosphonate Treatment & Mgmt Procedures,
Burning Mouth Syndrome, Common Oral Lesions - CPC
Full day with lunch 6 CEU

Monday, January 16, 2012 Willow Creek Golf Course

8:30 AM Takamari Miyamoto, DDS, PhD, MSD
Advanced Regenerative Procedures
for Periodontics and Dental Implants
Full day with lunch 6 CEU

Monday, February 20, 2012 Willow Creek Golf Course

8:30 AM David Gratton, BSc, DDS, MS
Prosthodontics and Implants
Full day with lunch 6 CEU

Monday, April 16, 2012 Willow Creek Golf Course

8:30 AM Will Martin, DMD, MS
Loading Protocols and Esthetic Risk Concerns
with Dental Implants
Full day with lunch 6 CEU

Founders and Charter Members

Fred M. Hunt	James A. West
James A Hallet	C. E. Laird
William J. Cammeron	Harry S. True

Associate Members

James Sommers - 1950
Harold Edward - 1959
James North - 1965
Edgar Smith - 1960
Clement O'Meara - 1973
Donald Poulson - 1967
Francis Keith - 1974
Jay Rosenberger - 1970
Ed Braley - 1970
Glenn Book - 1970
Bowen Campbell - 1970
William Kingfield - 1970
David King - 1970
Maurice Correy - 1972
Grover Hahn - 1985
Charles Smith - 1995
Gary Amerman - 1973
Michael Leuck - 1977
Conrad Jungmann - 1980
Dennis Kommer - 1983
Larry Book - 1991

G. V. Black Dental Study Club

of

Des Moines, Iowa

2011 - 2012

Organized in 1907



President

Jeffery Schwarzkopf

Vice President

Neil Dunbar

Secretary/Treasurer

Sara Lukan



*G. V. Black
Dental Study Group
of Des Moines*

Active Members

David King - 1970	Bill Grask - 2001
John Hurley - 1972	Tom Small - 2002
Bruce Heilman - 1983	Corey Conrad - 2003
Dennis J. Lowman - 1983	Stephanie Mohan - 2003
Kent Gleichman - 1985	Darren Jirsa - 2004
Robert McNurlen - 1985	Chris Correy 2004
Marion Blount - 1988	Steven Burds - 2004
Fred Fuller - 1988	Adam Fuller - 2004
Barbara Knapp - 1988	Anthony Delancey - 2005
Rodney Snavelly - 1990	Jeff Aagaard - 2006
Robert Dahlberg - 1992	Scott McPherson - 2006
Barry Svec - 1993	Greg McCullough - 2006
Thomas Quick - 1995	Todd Nielsen - 2007
Thomas Treska - 1995	Scott Johnson - 2007
John Reed - 1995	Shawn Kerby - 2007
Brian Turnquist - 1995	Richard Hall - 2008
Jeff Schwarzkopf - 1997	Zachary Dow - 2008
Neil Dunbar - 1998	Jessica Lawson - 2008
Jeff Lilly - 1999	Stephen Karbacka - 2008
John Frank - 1995	Christopher Glynn - 2008
Sara Lukan - 1999	Kyle Mann - 2009
Jeff Hagan - 1999	Kirby Amonson - 2010
Roger Brown - 2001	Andrew Chan - 2010
Joe DeMarco - 2001	Denise Evans - 2010

Program

2010 - 2011

Monday, September 27, 2010

Willow Creek Golf Course

8:30 AM Child & Dependent Adult Abuse Seminar

Half day with no lunch 3 CEU

Golf outing to follow seminar and short meeting

Monday, November 8, 2010

Willow Creek Golf Course

8:30 AM Dr. Robert Schneider and Danny Roberts CDT

"Everything you were afraid to ask about Implant Dentistry and why the team approach can avoid disasters."

Full day with lunch 6 CEU

Monday, January 17, 2011

Willow Creek Golf Course

8:30 AM Ms. Karen Baker
Department of Oral Medicine
University of Iowa College of Dentistry

Full day with lunch 6 CEU

Monday, February 21, 2011

Willow Creek Golf Course

8:30 AM Dr. Mike Kanellis and Dr. Tad Mabry
Department of Pediatric Dentistry
University of Iowa College of Dentistry

"The multi-faceted problems associated with first permanent molars"

Full day with lunch 6 CEU

Monday, April 4, 2011

Willow Creek Golf Course

8:30 AM Dr. Georgia Johnson
Department of Periodontics

Implant esthetics and soft-tissue esthetics - current concepts

Full day with lunch 6 CEU



*G. V. Black
Dental Study Group
of Des Moines*

Active Members

- | | |
|-------------------------|--------------------------|
| David King - 1970 | Roger Brown - 2001 |
| John Hurley - 1972 | Joe DeMarco - 2001 |
| Bruce Heilman - 1983 | Bill Grask - 2001 |
| Dennis J. Lowman - 1983 | Tom Small - 2002 |
| Kent Gleichman - 1985 | Corey Conrad - 2003 |
| Robert McNurlen - 1985 | Stephanie Mohan - 2003 |
| Marion Blount - 1988 | Darren Jirsa - 2004 |
| Fred Fuller - 1988 | Chris Correy 2004 |
| Barbara Knapp - 1988 | Steven Burds - 2004 |
| Rodney Snavelly - 1990 | Adam Fuller - 2004 |
| Robert Dahlberg - 1992 | Anthony Delancey - 2005 |
| Barry Svec - 1993 | Jeff Aagaard - 2006 |
| Thomas Quick - 1995 | Scott McPherson - 2006 |
| Thomas Treska - 1995 | Greg McCullough - 2006 |
| John Reed - 1995 | Todd Nielsen - 2007 |
| Brian Turnquist - 1995 | Scott Johnson - 2007 |
| Jeff Schwarzkopf - 1997 | Shawn Kerby - 2007 |
| Neil Dunbar - 1998 | Richard Hall - 2008 |
| Jeff Lilly - 1999 | Zachary Dow - 2008 |
| John Frank - 1995 | Jessica Lawson - 2008 |
| Sara Lukan - 1999 | Stephen Karbacka - 2008 |
| Jeff Hagan - 1999 | Christopher Glynn - 2008 |

(Rick)

(classmate of 01)

Program

2009 - 2010

Monday, October 12, 2009

Willow Creek Golf Course

8:30 AM Dr. Joseph Favia DDS
Implant Placement for the GP,
Why Specialists Will Benefit from this New Trend

Half day with lunch 3 hrs. CEU

Monday, November 16, 2009

Willow Creek Golf Course

8:30 AM Dr. William Johnson DDS, MS
Contemporary Endodontic Treatment: Change and Innovation in
Clinical Practice

Full day with lunch 6 hrs. CEU

Monday, January 18, 2010

Willow Creek Golf Course

8:30 AM Dr. Erin Lacey-Spector DDS
Dr. Dan Caplan DDS, PhD
Dr. Michelle McQuistan DDS, MS
Caring for Your Older Patients, Geriatric Minimal Intervention Dentistry
Diagnostic Tests in Dentistry: Choosing the Best Ones for Your Practice
Oral Health Literacy: Improving Patient Comprehension

Full day with lunch 6 hrs. CEU

Monday, February 22, 2010

Willow Creek Golf Course

8:30 AM Dr. John Hellstein, DDS
Common Therapeutic Regimens for Common Mucosal Diseases
Adjunctive Products for Cancer Screening
Bisphosphonate Osteonecrosis of the Jaws

Full day with lunch 6 hrs. CEU

Monday, April 19, 2010

Willow Creek Golf Course

8:30 AM Dr. Rebecca Slayton DDS PhD
Contemporary Issues in Pediatric Dentistry

Full day with lunch 6 hrs. CEU

NO

YES

YES

YES

lots of staff going coffee class if on call, need to call office

**Combined Constitution and By-laws
Of
The G. V. Black Dental Study Club of Des Moines**

Article I

Name

The name of this club shall be THE G. V. BLACK DENTAL STUDY CLUB OF DES MOINES.

Article II

Purposes

The purposes of this club shall be to study dentistry in general, to promote cordial and friendly relations between the members of the profession, to encourage the interchange of opinions, methods, and practices, and to discuss subjects relating to dentistry.

Article III

Officers

Section 1. The officers of this club shall be a President, Vice-President, and Secretary-Treasurer. They shall be nominated according to seniority, based on the length of time as a member. Each year the next three people on the list shall be nominated, returning to the beginning of the list when necessary. They shall be elected by a ballot at the final regular meeting of each year.

Section 2. A majority of votes cast shall elect.

Section 3. Every active member present must vote unless excused by the president.

Article IV

Duties of Officers

Section 1. The duties of the President: the president shall preside at all meetings of the club.

Section 2. The duties of the Vice-President: the Vice-president shall take the place of the President in his or her absence.

Section 3. The duties of the Secretary-Treasurer: the Secretary-Treasurer shall record all proceedings of the club, take attendance by means of sign-in, collect all dues, receive all monies, and pay all bills when approved by the President or Vice-President. He or she shall be especially diligent in the collection of dues.

Section 4. The officers of the club shall perform all other duties usually performed by such officials, or that the club may direct.

Article V

Committees

Section 1. The officers of this club shall constitute the Executive Committee, of which the President shall be chairman.

Section 2. When not otherwise provided for, the Executive Committee shall make all arrangements for the holding of each meeting of the club, prepare a suitable program and order of business, and attend to any emergency business that may arise between regular meetings, and such other business as the club may direct.

Section 3. An Auditing Committee shall be appointed by the President each year at the second to last meeting to audit the accounts of the Secretary-Treasurer, and shall make their report at the last meeting each year.

Article VI

Membership

Section 1. The membership of this club shall consist of three classes: ACTIVE, ASSOCIATE, and HONORARY members.

Section 2. The Active membership shall be composed of not more than fifty ethical dentists who are in active practice and who have been regularly elected and have complied with the requirements of the Constitution and By-Laws.

Section 3. The Associate membership shall be composed of active members in good standing who have discontinued practice. They shall not be assessed dues, but when in attendance shall pay for food and refreshments. They shall have the privilege of the floor and to make any suggestions to the club for its welfare and activities. If they resume practice, they shall automatically be restored to active membership when a vacancy occurs.

Section 4. The Honorary membership shall be composed of persons who have made some valuable contribution to the science or art of dentistry, or to this club, and may be elected to such membership at any regular meeting by three-fourths vote of the active members present. They shall not be required to pay dues.

Article VII

Election to Membership

Section 1. Membership in this club can only be obtained upon invitation extended by the club. Any nominee must have attended a previous meeting as a guest and must currently be in practice.

Section 2. Whenever this club desires to fill one or more vacancies, the following procedure must be followed:

First, The president shall call for nominations upon the request of any active member at any regular meeting.

Second, when nominations cease, if there are more nominations than vacancies, a ballot shall be taken and the number of nominees, corresponding to the number of vacancies, receiving the highest number of votes shall be declared the formal nominees.

Third, the nominee or nominees thus named shall be voted upon separately by ballot at the next regular meeting. Each one receiving an unanimous ballot or receiving up to four negative votes shall be immediately invited to join this club by a letter from the Secretary-Treasurer advising him or her of the club's action, the amount of our dues, membership fee, how payable, and the time of the next regular meeting, by which time this invitation must be accepted or it is rendered void.

Section 3. Whenever a new member is to be present at a regular meeting for the first time, the officers of the club shall arrange a ceremony during which the new member shall be entrusted with a copy of the Constitution and By-Laws.

Article VIII

Business

The business of the club shall be conducted by the active members.

Article IX

Meetings

The regular meeting day of this club shall be the third Monday in five or more of the following months: September, October, November, December, January, February, March, April, and May, and shall be held on that day whenever feasible.

Article X

Amendments

The Constitution and By-Laws may be amended at a regular meeting of the club by three-fourths vote of the active members present, provided the amendment has been submitted in writing and read at the last regular meeting.

Article XI
Majority Vote

When not otherwise specified, a majority vote will govern.

Article XII
Quorum

Nine active members in good standing shall constitute a quorum.

Article XIII
Expulsion

Any member may be expelled from the club by a three-fourths vote of the active members present at any regular meeting, providing said offending member shall have had thirty days notice in writing of such proposed action, and shall be given the opportunity of a hearing before a ballot is taken.

Article XIV
Duties of Members

Each Active member shall be active in the promotion of such interests of the club and shall, so far as possible, perform such service as requested by the President or Executive Committee. The Secretary-Treasurer shall be responsible for ensuring that all members have signed a copy of the Constitution and that said copy is kept with the minutes.

Article XV
Dues

Section 1. The annual dues of this club for Active membership shall be two hundred fifty dollars, payable by the date of the October meeting.

Section 2. The amount of dues to be paid by a new member shall be computed on a pro rata basis depending on the number of meetings left in a year.

Section 3. Failure to pay dues within sixty days of the due date will automatically suspend a member and he or she will not be in good standing until dues are paid.

Section 4. Any member suspended for a period of thirty days shall without delay be given a written notice from the Secretary-Treasurer stating that, according to the Constitution and By-Laws of this club, unless his or her dues are paid within thirty days, his or her membership in this club will be automatically cancelled.

Article XVI
Assessments

Special assessments may be levied by the Executive Committee when ratified by three-fourths vote of the active members present at any regular meeting to cover regular club expenses.

Article XVII
Rules of Order

Roberts Rules of Order shall be authority on all points not provided for in the Constitution and By-Laws.

Printed with revisions
June 2001

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687

Phone (515) 281-5157 • www.dentalboard.iowa.gov

JUL 30 REC'D

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Health Studies Institute

Contact Person: Tracy O'Keefe Phone: 425-831-1113 Fax: 425-292-0768

Address: 35300 SE Center St, Snoqualmie, WA 98065 E-mail: info@healthstudies.com

2. Name of Current Officers, Title, Address, Phone:

Tracy O'Keefe: Director of Education - see contact info above

Mike O'Keefe: President - "

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Tracy O'Keefe Phone: 800-700-3454 425 831 1113 Fax: 425-292-0768

Full Address: 35300 SE Center St.

Internet Address: www.healthstudies.com E-mail: info@healthstudies.com

4. How many courses, meetings or programs did your organization sponsor last year? 36

5. How many courses, meetings or programs do you anticipate sponsoring this year? 34-40

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#12152 \$100

Course Title w/ CE Hours

Hypertension-4
Indirect Restorations-10
Infection Control-6
Influenza-2
Local Anesthesia-18
Medical Error Prevention-2
Nitrous Oxide Sedation-10
Nutrition in Dentistry-15
Oral Cancer-15
Osteoporosis-4
Pediatric Dentistry-2
Principles and Practice of Laser Dentistry-8
Recognizing Oral Diseases-8
The Two-Implant Overdenture-7
Tobacco Intervention-2
Tooth Whitening-6
Traumatic Dental Injuries-5
Ultrasonic Instruments-5
AIDS and HIV Essentials-4
Analgesics-4
Anatomy of the Head and Neck-18
Antibiotics in Dentistry-15
Back Pain-4
Breath Odor-3
California Dental Practice Act-2
Clinical Periodontics-16
Dealing With Diabetes-4
Dental Implants-7
Dental Management of the Medically Compromised Patient -18
Dental Office Medical Emergencies-3
Dental Radiographs-5
Dental Suturing-7
Digital Imaging-8
Drug Use and Abuse-10
Ethics and Law in Dental Hygiene-8
Family Violence-2
Hepatitis Viruses-3

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Homestead Schools, Inc.

Contact Person: Vijay Fadia Phone: (310) 791-9975 Fax: (310) 791-0135

Address: 23800 Hawthorne Bl. # 200 Torrance CA 90505 E-mail: _____

VJ1223@aol.com

2. Name of Current Officers, Title, Address, Phone:

Vijay Fadia, Pres 23800 Hawthorne Bl. # 200
Torrance, CA 90505

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Vijay Fadia Phone: (310) 791-9975 Fax: (310) 791-0135

Full Address: 23800 Hawthorne Bl. # 200, Torrance, CA 90505

Internet Address: HomesteadSchools.com E-mail: VJ1223@aol.com

4. How many courses, meetings or programs did your organization sponsor last year? 125

5. How many courses, meetings or programs do you anticipate sponsoring this year? 135

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#14974 \$100

Homestead Schools, Inc.
23800 Hawthorne Blvd., Suite 200
Torrance, Ca 90505
(310) 791-9975
VJ1223@aol.com

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- Calif. Dental Practice Act⁴ #6310 3 C.E. Units
- Dental Caries #6440 2 C.E. Units
- Anatomy of Facial and Oral Structures #6400 4 C.E. Units
- Dental Materials #6405 4 C.E. Units
- Removable Prosthodontics #6410 2 C.E. Units
- Fixed and Special Prosthodontics #6415 2 C.E. Units
- Dental Drug Interactions #6110 2 C.E. Units
- Facts About AIDS #6205 3 C.E. Units
- Advanced Infection Control #6235 4 C.E. Units
- Viral Hepatitis and Dental Practice #6220 6 C.E. Units
- HIV, Hepatitis B and Dentistry #6225 2 C.E. Units
- Oral Examination #6420 3 C.E. Units
- Tooth Bleaching #6425 3 C.E. Units
- Oral Complications of Diabetes #6620 3 C.E. Units
- Drugs Used in Dentistry #6100 4 C.E. Units
- Sedation-Related Emergencies #6500 4 C.E. Units
- Medical Emergencies in a Dental Office #6505 4 C.E. Units
- Emergency Drugs #6105 4 C.E. Units
- Management of Latex Allergy #6511 3 C.E. Units
- Diabetes Mellitus and Dentistry #6515 3 C.E. Units
- Fluoride for Caries Control #6445 2 C.E. Units
- Dentin Bonding #6430 2 C.E. Units
- Patient Anxiety and Phobia #6535 2 C.E. Units
- Nitrous Oxide #6520 2 C.E. Units
- Local Anesthesia #6525 3 C.E. Units
- Pain Management #6530 2 C.E. Units
- Sedation for Fear and Anxiety Control #6560 2 C.E. Units
- New Classification of Periodontal Diseases #6640 3 C.E. Units
- Dental Sealants in the Prevention of Tooth Decay #6645 2 C.E. Units
- Oral Infectious Diseases #6635 3 C.E. Units
- Dental Amalgam #6660 4 C.E. Units
- Oral Mucosal Disorders #6480 4 C.E. Units
- Oral Cancer #6490 4 C.E. Units
- HIPAA #6340 5 C.E. Units
- OSHA in Dental Practice #6240 3 C.E. Units
- Oral Complications of Cancer Therapies #6485 4 C.E. Units
- Home Bleaching #6361 2 C.E. Units
- CD-ROM: Detection & Prevention of Oral Cancer \$40.00 #6495 No C.E. Units
- CD-ROM: Periodontal Complications of Diabetes \$65.00 #6576 No C.E. Units

- Domestic Violence¹ #6325 2 C.E. Units
- Florida Dental Practice Act #6320 3 C.E. Units
- HIV/AIDS¹ #6230 4 C.E. Units
- Ethics & Jurisprudence¹ #6330 2 C.E. Units
- Medication Errors¹ #6326 2 C.E. Units
- Substance Abuse² #6455 4 C.E. Units
- Bioterrorism³ #6115 4 C.E. Units
- Case Studies in Dental Practice Act #6650 6 C.E. Units
- Analgesics for Pain Management #6545 4 C.E. Units
- Pediatric Dental Emergencies #6550 3 C.E. Units
- Tobacco and Dental Health #6450 2 C.E. Units
- Halitosis #6565 2 C.E. Units
- Third Molar Controversy #6570 3 C.E. Units
- Periodontal Complications of Diabetes #6575 4 C.E. Units
- Oral Health Care for Older Adults #6580 3 C.E. Units
- Digital Radiography #6585 3 C.E. Units
- Sjögren's Syndrome #6590 4 C.E. Units
- Dry Mouth (Xerostomia) #6595 3 C.E. Units
- Periodontal Diseases #6600 4 C.E. Units
- Stress, Immune System & Periodontal Disease #6680 6 C.E. Units
- Soft Tissue Oral Surgery for the GP #6605 4 C.E. Units
- Orthodontics I #6610 4 C.E. Units
- Orthodontics II #6611 6 C.E. Units
- Pediatric Dentistry I #6685 4 C.E. Units
- Dentist's Legal Advisor (case studies) #6625 7 C.E. Units
- Dental Implants #6675 3 C.E. Units
- Managing Dental Injuries #6245 6 C.E. Units
- Nitrous Oxide and Oxygen Sedation #6470 7 C.E. Units
- Current Endodontic Therapy #6345 4 C.E. Units
- Endodontic Treatment #6346 5 C.E. Units
- CDC Guidelines for Infection Control #6350 6 C.E. Units
- Dentin Bonding Agents #6432 4 C.E. Units
- Resin Composites #6365 3 C.E. Units
- Cements #6370 3 C.E. Units
- Provisional Crown and Bridge Materials #6371 3 C.E. Units

See over for more courses

Total C.E. Units _____

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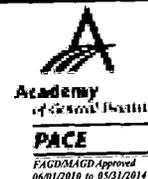
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D137 08/11

"DANB Approval" indicates that a continuing education course appears to meet certain specifications as described in the DANB Recertification Guidelines. DANB does not, however, endorse or recommend any particular continuing education course and is not responsible for the quality of any course content.

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JUL 12 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Illowastudy Club

Contact Person: David Botsko Phone: 563-386-8300 Fax: _____

Address: 2334 W. Kimberly Rd, Davenport Iowa 52806 E-mail: _____

2. Name of Current Officers, Title, Address, Phone:

David Botsko - Pres. - 2334 W Kimberly Rd - DAV. IA 52806 563-386-8300

Mike Franzman - Vice Pres. 1800 E 54th St. DAV. IA 52807 563-344-4867

Tom Kersting - Secretary - 100 E. Kimberly Rd #501 DAV. IA 52806-563-386-3065

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Dr. David Botsko Phone: 563-386-8300 Fax: _____

Full Address: 2334 W. Kimberly Rd Davenport, IA 52806

Internet Address: _____ E-mail: _____

4. How many courses, meetings or programs did your organization sponsor last year? 9

5. How many courses, meetings or programs do you anticipate sponsoring this year? 9-10

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#9395504791 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
	see attached -	also you can visit our		
	website	Illowastudyclub.com		

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Tom Kursting

Address: 100 E Kimberly Rd #501 Des Moines IA 52806 Phone: 563-386-3065

Tom Kursting
Signature

6-28-12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

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 Password _____
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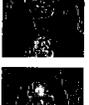
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Past Meetings

#	Date	Course
		Chris Squier, PhD and Nancy Slach, RDH, BS THUNDER BAY GRILLE Tobacco Cessation
1	Monday, May 7, 2012 at 6:00 PM	Dr. Christopher Squier is a Professor in the Department of Oral Pathology, Radiology and Medicine at the College of Dentistry, University of Iowa. He directs the College of Dentistry graduate training program. He has published more than 200 books, chapters and peer-reviewed articles and has been served as editor for several dental research journals. He is a member of the Board of Directors of the American Cancer Society, Midwest Division as well as the Iowa State Commission on Tobacco Use. Nancy A. Slach is a Dental Hygienist with a Bachelor of Science degree in Dental Hygiene from the University of Michigan. She attended the University of Iowa where she worked on a Masters degree in Public Health Dentistry and received her Tobacco Treatment Specialist Certification from the Mayo Clinic. She has been employed by the University for over 30 years and has held positions at both the University of Iowa Hospital Dental Clinic as well as the College of Dentistry.
		Phil Haan, Clinical Hospital Pharmacist Symposium Cafe Pharmaceutical Considerations in Dentistry
2	Monday, April 2, 2012 at 6:00 PM	Phil graduated from Southwest Oklahoma State University in 1988. He has worked in the Pharmaceutical field for 24 years including clinical hospital services for the last five years. He has lectured extensively in the local area to various academic and industrial audiences including MidAmerican Energy and Palmer College of Chiropractic.
		Kim A Brogden, PhD THUNDER BAY GRILLE (Main floor) Oral Inflammation
3	Monday, March 5, 2012 at 6:00 PM	This lecture is one you won't want to miss! Dr Brogden is a member of the American Society for Microbiology, a Fellow in the American Academy of Microbiology, and a member of Phi Zeta and the American Association for the Advancement of Science. He is on the Board of Scientific Reviewers for the Annals of Agricultural and Environmental Medicine (1992-present) and was on the Board for Infection and Immunity (1998-2000). He has co-edited three books: Virulence Mechanisms of Bacterial Pathogens, second and third editions (ASM Press, Washington, D.C. (1995 and 2000) and Polymicrobial Diseases.
		Dr Karen Potaczek; Dr Paul Smith The Indigo Cafe Third Molar Extractions
4	Monday, February 6, 2012 at 6:00	They will present an update on extractions, especially third molars. Dr Smith regularly presents OSHA updates and from the slides, most of us are familiar with the fact he graduated from WV. Dr. Potaczek graduated from Marquette University School of Dentistry in 2006. Her clinical and research interests include orthognatic surgery, facial trauma, out patient anesthesia, bone grafting and dental implant surgery.
		Local Members The Indigo Cafe Case Presentations
5	Monday, January 9, 2012 at 6:00	Members will present cases from their practices. Please contact us about presenting a case. We estimate that time should permit around (4) cases. Laptops are available if needed. As we have volunteers, more information will be available.
		Teresa Marshall, PhD The Indigo Cafe Evidence Based Dentistry
6	Monday, December 5, 2011 at 6:00	Dr. Marshall joined the University of Iowa College of Dentistry in 1991. She is an associate professor in the Department of Preventive and Community Dentistry. In 2010, she was appointed director of experiential learning. Dr. Marshall's research interests focus on nutrition, oral health and systemic health. Current research efforts include diet, growth, and oral health in young children, as well as nutrition and oral health in the elderly.
		Dr. Karin Weber-Gasparoni The Indigo Cafe Traumatic Injuries Update
7	Monday, November 7, 2011 at 6:00	Dr. Weber-Gasparoni joined the College of Dentistry in 2003. She is an associate professor in the Department of Pediatric Dentistry. She is director of the Infant Oral Health Program where pediatric dentistry residents and senior dental students provide preventive dental care for infants and toddlers. She also sees private patients one day per week at the Center for Disabilities and Development.
		Dr. Paula Weistroffer The Indigo Cafe To Extract or Not To Extract
8	Monday, October 3, 2011 at 6:00	Dr. Weistroffer joined the College of Dentistry as a clinical assistant professor in the Department of Periodontics in 2007. She teaches in the undergraduate periodontal clinic, the Department of Family Dentistry's undergraduate comprehensive care program, and also in the periodontal resident clinics. Dr. Weistroffer also maintains a private practice within the college.
		Dr. Daniel Hogan The Indigo Cafe Surgical Implant Guides
9	Monday, September 12, 2011 at 6:00	Dr Hogan graduated from Augustana College in 1981 followed by dental school at the University of Illinois Circle Campus. He was accepted for Perio residency at the University of Iowa and graduated in 1987. He has been in private practice in Moline, IL for 24 years and used Nobel and 3i Implants for about five years. He places about 100 Implants per year.
		Dr. Mike Franzman The Indigo Cafe Perio Update
10	Monday, May 2, 2011 at 6:00	Dr. Mike Franzman graduated from the University of Iowa in 2004, received a certificate in periodontics and MS oral sciences in 2007. He competed in the prestigious Balint Orban Research Competition and was awarded first place in the Basic Science division for his presentation, "Targeted Antimicrobial Activity of SMAP28 Conjugated to P. gingivalis antibodies." His primary research mentor for this project was Dr. Kim Brogden, Department of Periodontics and Dows Institute for Dental Research.
		Dr. Chris Barwacz The Indigo Cafe Implant Provisionalization
11	Monday, April 4, 2011 at 6:00	Dr. Barwacz received his BS in 2003 and his DDS in 2007 from the University of Iowa. He completed his Advanced Education in General Dentistry residency at the Baylor College of Dentistry in Dallas, TX in 2008. Dr. Barwacz has been active in research throughout his formal education and was the recipient of the National Institute of Dental and Craniofacial Training Grant Award in 2004 and the Student Research Achievement Award in 2007.
		Dr. Marcella Hernandez The Indigo cafe Treatment of Rampant Caries
12	Monday, March 7, 2011 at 6:00	Dr. Hernandez joined the College of Dentistry in 2003 after working as director of the operative dentistry section at the Universidad Javeriana Dental School, Bogota, Colombia, and working in private practice for ten years. She is an assistant professor in the Department of Operative Dentistry and is currently a pre-clinical instructor for the Dental Anatomy & Operative Dentistry course for freshman dental students. She is a clinical instructor for the junior dental students and also teaches graduate students in Operative Dentistry.
		Dr. Karen Potaczek THUNDER BAY GRILLE Oral Surgery Update
13	Monday, February 7, 2011 at 6:00	Dr. Potaczek graduated from Marquette University School of Dentistry in 2006. Her clinical and research interests include orthognatic surgery, facial trauma, out patient anesthesia, bone grafting and dental implant surgery. In 2007 she published a review article entitled "Bone Grafts." She presented a study on outpatient sedation at the 2009 Annual OMS meeting in Toronto, Canada and currently has a publication pending on maxillofacial self mutilation.



- 14 **Monday, January 3, 2011 at 6:00**

Dr. Mary Mariani | The Indigo Cafe
Body Art and Dentistry
 Dr. Mary Mariani has served as CHC's Dental Director since March of 1999. Prior to assuming the Directorship, she worked as a CHC staff dentist for ten years. She earned her DDS degree at the University of Missouri School of Dentistry in Kansas City, Missouri, in 1988. She holds a Bachelor of Science degree from Benedictine College in Atchison, Kansas. In 1997, she completed the Armed Forces Institute and Pathology Forensic Dental Training.
- 15 **Monday, December 6, 2010 at 6:00**

Dr. Ben Van Raalte | The Indigo Cafe
Cancerous Skin Lesions
 Dr. Van Raalte is the most experienced board certified plastic surgeon practicing in the Quad Cities, with 19 years of cosmetic surgery experience. Dr. Benjamin Van Raalte's medical training was done at the University of Wisconsin, finishing in 1982. He then completed a general surgery residency at the University of Illinois and Cook County Hospital in 1987, and completed his plastic surgery residency at Indiana University in 1989. Dr. Van Raalte is board certified by the American Board of Plastic Surgery and the American Board of Surgery.
- 16 **Monday, November 1, 2010 at 6:00**

Dr. John Hellstein | THUNDER BAY GRILLE
Salivary Diagnostics
 Dr. Hellstein is currently Chairman of the ADA Council on Scientific Affairs as well as the director of the Surgical Oral Pathology Lab at the University of Iowa College of Dentistry. He will address this exciting new field of research, called "Salivary Diagnostics" which, has been identified by the ADA as "one of dentistry's most promising areas of research."
- 17 **Monday, October 4, 2010 at 6:00**

Dr. Veeratrishul Allareddy | The Indigo Cafe
Cone Beam CT Imaging
 Dr. Allareddy joined the University of Iowa College of Dentistry faculty in 2008 after completing his residency. He is an assistant clinical professor in the Department of Oral Pathology, Radiology and Medicine. His background includes a B.D.S. as well as an internship at Ragas Dental College, Chennai, India in 2003. He received his M.S. from the University of Iowa in 2008. His specific area of expertise is CT imaging and his thesis was entitled, "Incidental findings on cone beam computed tomography."
- 18 **Tuesday, September 7, 2010 at 6:00**

Dr. Mike Kanellis | The Indigo Cafe
Record Keeping Standards
 Dr. Kanellis teaches record keeping as part of his responsibilities as Assistant Dean for Patient Care at the University of Iowa, College of Dentistry. His research areas include: Public health issues affecting pediatric dentistry including school based dental care, early childhood caries, access and utilization of dental services by low income children.
- 19 **Monday, May 3, 2010 at 6:00**

Dr. Mickey Spector | The Indigo Cafe
Alternative Therapies
 Dr. Spector is a group leader in Family Dentistry at the University of Iowa and teaches fourth-year dental students in the areas of general dentistry, periodontal consultations, and case analysis. He will discuss treatments from a holistic viewpoint. Objectives: Understand the concept of "holistic" as it applies to dentistry; Understand certain lifestyle effects on dental health; Understand current scientific evidence related to holistic dentistry.
- 20 **Monday, April 5, 2010 at 6:00**

Dr. John Hellstein | The Indigo Cafe
Oral Pathology Update incl Bisphosphonates
 After serving 20 years in the army, Dr. Hellstein joined the faculty of the University of Iowa College of Dentistry in 2002. He is director of the Surgical Oral Pathology Laboratory and has a special interest in bisphosphonate (Bis-phosphy jaw) osteonecrosis of the jaw. Dr. Hellstein is a member of the ADA Expert Panel for that malady.
- 21 **Monday, March 1, 2010 at 6:00**

Dr Gary Eggleston | The Indigo Cafe
Endodontic Microsurgery
 Gary received his DDS from the University of Iowa in 2004 and immediately thereafter accepted a commission in the US Army until 2007. He went on to the University of Minnesota where he received his Endodontic Certificate. Gary has had an Endodontic practice in Bettendorf since October of 2009.
- 22 **Monday, February 1, 2010 at 6:00**

Troy C. Schall | The Indigo Cafe
Sleep Apnea 101
 Troy is Vice President of Dental Prosthetic Services, Inc. He has extensive training and experience in Sleep Apnea and related treatments. His lecture will include an overview of Sleep Apnea, diagnostic guidelines, and will feature a new oral appliance that may eliminate the need for a CPAP machine.
- 23 **Monday, January 4, 2010 at 6:00**

Dr. Jennifer Fritz | The Indigo Cafe
Anterior Esthetics
 Dr. Fritz graduated from the University of Iowa College of Dentistry in 2006. She received her Certificate in Prosthodontics in 2009, also from the University of Iowa. She currently maintains a private practice in Bettendorf, Iowa specializing in all aspects of prosthodontics.
- 24 **Monday, December 7, 2009 at 6:00**

Dr. Peter Damiano | The Indigo Cafe
Treatment of Low-Income and Medicaid Patients
 Dr. Damiano will be discussing treatment of the low-income/medicaid patient, options and ethical concerns. Dr. Damiano joined the College of Dentistry in 1990. He is a professor in the Department of Preventive and Community Dentistry and director, Health Policy Research, at the Public Policy Center.
- 25 **Monday, November 2, 2009 at 6:00**

Dr. Jamie Paul | The Indigo Cafe
Plastic Surgery Update
 Jamie is a local plastic surgeon and a dentist. He will present a plastic surgery update with a focus on dentistry. His background includes: Dental School, University of Iowa; Oral and Maxillofacial Surgery, University of Iowa; Medical School, Louisiana State University at Shreveport, LA; General Surgery, Iowa Methodist Medical Center Des Moines, IA; Plastic Surgery, Providence Hospital Southfield Detroit, MI
- 26 **Monday, October 5, 2009 at 6:00**

Dr. Gerald Denehy | The Indigo Cafe
Posterior Composite Restorations
 We are honored to have Dr. Gerald Denehy speak on the topic of posterior composite restorations. Dr. Denehy is head of the Operative Department at the University of Iowa and he is a national and international lecturer. He has had a national leadership role in operative dentistry. He serves as a consultant to dental manufacturers and is on the editorial board of numerous professional journals.
- 27 **Tuesday, September 8, 2009 at 6:00**

Dr. Charles Elmendorf | The Indigo Cafe
The Latest Thinking on Type II Diabetes
 Chuck Elmendorf is a practicing Davenport physician. He will discuss a new pilot program that is being conducted using some of the latest thinking on Type II Diabetes, the most common type. **COMPLIMENTARY GLUCOSE MONITORS FOR ATTENDEES**
- 28 **Monday, May 11, 2009 at 6:00**

Dr. Cindy Christensen | The Indigo Cafe
Pediatric Dentistry Update
 Dr. Christensen will give us an update on general topics in Pediatric Dentistry. She joined the College of Dentistry in 2002 following 20 years in private practice. She is an associate professor in the Department of Pediatric Dentistry.
- 29 **Monday, April 6, 2009 at 6:00**

Dr. Steven H. Clark | The Indigo Cafe
Relaxation Dentistry
 Dr. Clark was in a private Periodontics Practice from 1983-1989. In 1998 he joined the Department of Family Dentistry as a visiting assistant professor and he is now clinical assistant professor. His credentials include: B.S., University of Illinois, 1977; D.D.S., University of Illinois, 1983; Certificate in Periodontics, The University of Iowa, 1991; Certificate in Anesthesiology, The University of Iowa, 1992.



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The Illowa Dental Study Club

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Register for free and join us! Membership is open to all dentists. Dues are \$35/yr.

MEETING LOCATIONS

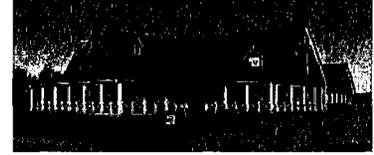
The Symposium Cafe

Located SW corner of 53rd & Utica Ridge, Davenport, IA. Monday is the pasta menu plus free side salad. Check out the Creole Pasta with chicken, shrimp, and andouille sausage tossed in a creole style sauce. Also Shrimp and Scallop Scampi, Fettuccini Alfredo, Chicken Parmesan and Caprese Pasta: Tomato, fresh basil, garlic, scallions and fresh mozzarella tossed with penne pasta. Private meeting room seats up to 40 people, comfortably. [Click here for the google map.](#)



Thunder Bay Grille

Thunder Bay Grille: Davenport 6511 N Brady Street Davenport, IA 52806 563-386-2722 | fax: 563-386-1887 [Click here for the google map.](#)



SCHEDULE OF UPCOMING MEETINGS

Date	Location	Course
Monday, 1 September 10, 2012 at 6:00 PM	 Symposium Cafe Map	Dr. Peter Damiano Healthcare Reform (Obamacare) and Dentistry Dr. Damiano is the director of the University of Iowa Public Policy Center. He is also a Professor in the Department of Preventive and Community Dentistry. Dr. Damiano's research focuses on access to primary dental and medical care including public and private health insurance programs as well as health policy. Current projects include: 1) an NIH-funded study of the early childhood dental issues; 2) a Commonwealth Fund-supported project evaluating the impact of the 2010 Health Care Reform Law on safety net providers in Iowa; 3) an evaluation of the Iowa Medicaid managed care program (MediPASS); 4) an evaluation of the IowaCare program; 5) a statewide study of the health and wellbeing of children and families in Iowa; and 6) outcomes of care for children with cleft lip and palate. (2 CEUs)
Monday, 2 October 1, 2012 at 6:00 PM	 Symposium Cafe Map	Steve Fletcher, DDS Cleft Palate Dr. Fletcher joined the College of Dentistry in 2010. He is a clinical assistant professor in the Department of Oral and Maxillofacial Dentistry. Dr. Fletcher is a member of the American Association of Oral and Maxillofacial Surgeons. In 2003, he received the Rudy Minger Memorial Award from the UI College of Dentistry. In 2004, he received the Hoffer Memorial Award and the Class of 1929 Award for Academic Excellence. In 2005, he was the recipient of the Fenton Memorial Award in Oral Surgery and also the Dental Class of 1923 Award for Academic Excellence. (2 CEUs)



CONTINUING EDUCATION SPONSOR APPLICATION

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

Groups or organizations wanting to obtain status as a board-approved sponsor of continuing education must complete this application and enclose the sponsor fee of \$100.

1. Official Name of Sponsor Group: Institute for Natural Resources

Contact Person: Kayle Finley Phone: (925) 609-2820 ext 253 Fax: (925) 363-7798

Address: P.O. Box 5757, Concord, CA 94524-0757 E-mail: kfinley@biocorp.com

2. Type of organization (attach bylaws if applicable):
- Constituent or component society
 - Dental School
 - Dental Hygiene School
 - Dental Assisting School
 - Other (please specify): Non-Profit Organization - Continuing Education Provider

3. If applicable, approximate number of active members _____

Name of Current Officers	TITLE	ADDRESS	PHONE
Richard S. Colman, Ph.D.,	President,	P.O. Box 5757, Concord, CA	(925) 609-2820
Stanley Sklute,	Vice President,	P.O. Box 5757, Concord, CA	(925) 609-2820 x201

5. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the Board's website.

Name: Kayle Finley Phone: (925) 609-2820, x253 Fax: (925) 363-7798

Full Address: P.O. Box 5757, Concord, CA 94524-0757

Internet Address: www.inrseminars.com E-mail: kfinley@biocorp.com

6. Approximately how many courses, meetings or programs does your group or organization sponsor each year? 15-20

7. Average number of attendees at each course or meeting: 100-150

8. How many courses, meetings or programs do you anticipate sponsoring this year? 20-25

9. Which of the following educational methods does your organization use? Please check all applicable.
- Home study (e.g. self assessment, reading, educational TV, internet courses)
 - Lectures
 - Participation
 - Discussion
 - Demonstration

#4122 \$100

10. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Risk Management
- OSHA regulations/Infection Control
- Other: _____
- Patient record keeping
- Communication

11. List all educational programs or courses offered during the preceding two years. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
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Please see Appendix for full course listing.

12. Please attach a program brochure, course description, or other explanatory material to describe a "typical" yearly program sponsored by your organization.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the Board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the Board rules for planning and providing continuing education.

Name of person completing this application: Kayle Finley

Address: P.O. Box 5757, Concord, CA 94524-0757 Phone: (925) 609-2820 x253

Kayle Finley

June 5, 2012

Signature

Date

Please note: The sponsor application fee of \$100 must accompany this application. You will be contacted after the Continuing Education Advisory Committee and Iowa Dental Board has reviewed your application.

RETURN TO:

IOWA DENTAL BOARD
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

INSTITUTE FOR NATURAL RESOURCES
SPONSOR RE-CERTIFICATION APPLICATION

Record of Educational Programs Presented by Sponsor
July 1, 2010 to June 30, 2012

Date	Course Title	Instructor	Location
08/12/2010	Anger, Anxiety & Hypertension – this course & future offerings not offered to IA-Dental professionals	Thomas Deahl, Ph.D.	Des Moines, IA
09/08/2010	Anger, Anxiety & Hypertension	Donna Israel, Ph.D.	Cedar Rapids, IA
09/10/2010	Anger, Anxiety & Hypertension	Donna Israel, Ph.D.	Davenport, IA
11/13/2011	Anger, Anxiety & Hypertension	Michael Howard, Ph.D.	Des Moines, IA
09/30/2010	Women's Health Update: Breast Health, Hormones, & Osteoporosis – this course & future offerings not offered to IA-Dental professionals.	Annell St. Charles, Ph.D.	W. Des Moines, IA
11/04/2010	Food Addictions, Overeating & Mood Swings – this course & future offerings not offered to IA-Dental professionals.	Lori Kanter, Ph.D.	Cedar Rapids, IA
11/05/2010	Food Addictions, Overeating & Mood Swings	Lori Kanter, Ph.D.	Davenport, IA
11/17/2010	Food Addictions, Overeating & Mood Swings	Gina Willett, Ph.D.	Des Moines, IA
04/19/2012	Food Addictions, Overeating & Mood Swings	Annell St. Charles, Ph.D.	Sioux City, IA
02/23/2011	Aging Body; Aging Mind	Michael Howard, Ph.D.	Cedar Rapids, IA
02/24/2011	Aging Body; Aging Mind	Michael Howard, Ph.D.	Davenport, IA
03/10/2011	Diabetes, Obesity & Heart Disease – IA-licensed dental professionals offered 2 hours of CE credit for this course.	Gina Willett, Ph.D.	Des Moines, IA
04/14/2011	Diabetes, Obesity & Heart Disease	Michael Howard, Ph.D.	Sioux City, IA
05/18/2011	Diabetes, Obesity & Heart Disease	Lacey Ratliff, Ph.D.	Cedar Rapids, IA
05/19/2011	Diabetes, Obesity & Heart Disease	Lacey Ratliff, Ph.D.	Davenport, IA
07/20/2011	Brain Injury: Stroke, Alzheimer's & Head Trauma – IA-licensed dental professionals offered 2 hours of CE credit for this course.	Mary O'Brien, M.D.	Des Moines, IA
09/22/2011	Brain Injury: Stroke, Alzheimer's & Head Trauma	Rajinder Hullon, M.D.	Sioux City, IA
09/23/2011	Conquering Pain – IA-licensed dental professionals offered 2 hours of CE credit for this course.	Rajinder Hullon, M.D.	Des Moines, IA
04/12/2012	Conquering Pain	Thomas Deahl, DDS, Ph.D.	Cedar Rapids, IA
04/13/2012	Conquering Pain	Thomas Deahl, DDS, Ph.D.	Davenport, IA
11/16/2011	Sleep Deprivation, Autism, & ADHD – this course & future offerings not offered to IA-Dental professionals	Rajinder Hullon, M.D.	Cedar Rapids, IA

**Record of Educational Programs Presented by Sponsor
July 1, 2010 – June 30, 2012 continued**

Date	Course Title	Instructor	Location
11/17/2011	Sleep Deprivation, Autism & ADHD	Rajinder Hullon, M.D.	Davenport, IA
12/08/2011	Sleep Deprivation, Autism, & ADHD	Rainer Hullon, M.D.	Des Moines, IA
02/09/2012	Food, Stress, & the Brain – this and future course offerings not offered to IA-licensed dental professionals	Annell St. Charles, Ph.D.	Cedar Rapids, IA
02/10/2012	Food, Stress, & the Brain	Annell St. Charles, Ph.D.	Davenport-Bettendorf, IA
05/24/2012	Food, Stress, & the Brain	Beverly White, Ph.D.	Des Moines, IA
03/25/2012	The Tranquil Brain: Mood Swings, Hormones & Stress	Rajinder Hullon, M.D.	Des Moines, IA

Institute for Natural Resources

P.O. Box 5757 ♦ Concord, CA 94524-0757 ♦ (925) 609-2820 ♦ FAX (925) 687-0860

June 5, 2012

Iowa Board of Dental Examiners
Advisory Committee on Continuing Education
400 SW 8th Street, Suite D
Des Moines, IA 50309-4687
(515) 281-5157

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JUN 23 2012

IOWA DENTAL BOARD

Approval Period: July 1, 2010 to June 30, 2012

Dear Ladies/Gentlemen:

The Institute for Natural Resources (INR) would like to thank the Iowa Board of Dental Examiners for approving INR as a provider of continuing education for the past two years.

The Institute is pleased to submit a completed application for the renewal of our continuing education providership.

Please find enclosed:

1. A check in the amount of \$100.00 for the Biennial Renewal Fee.
2. A completed Sponsor Re-Certification Application.
3. A Record of Educational Programs Presented by Sponsor for the preceding compliance period (July 1, 2010 – June 30, 2012).

If you have any questions or require further information, please feel free to call me at (925) 609-2820, extension 253.

Thank you for your time and consideration.

Sincerely,

Kayle Finley

Kayle Finley.
Chief Accreditation Assistant
Accreditation Department

Enclosures

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

AUG 16 REC'D

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Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Iowa Academy of General Dentistry

Contact Person: Julie Berger-Moore Phone: 402-438-2321 Fax: same

Address: 529 N. 33rd St., Lincoln NE 68503 E-mail: juliebergermoore@gmail.com

2. Name of Current Officers, Title, Address, Phone:

see attached list

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Julie Berger-Moore Phone: 402-438-2321 Fax: same

Full Address: 529 N. 33rd St Lincoln, NE 68503

Internet Address: _____ E-mail: juliebergermoore@gmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 3

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control no
- Other: _____

#1073 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
4-15-2011	Photography, Shadotaking, Photoshop Power Point	Dr. Edward McLaren	Marriott, Coraville IA	9 hrs
10-26-11	Team Approach to Dentistry	Shelly Ryan	Holiday Inn West Des Moines	2 hrs
3-30-12	Emerging & Effective Technologies in Dentistry to Separate your Practice From the pack	Dr. Peter Harrois	Hilton Garden Johnston	7.5
10-5-12	Everyday Dentistry - More Than Everyday Esthetics	Dr. Bob Marqcas	Hilton Garden & Center for Advanced Dental Education	6 Lecture 16 participation
10-6+7-12	RESULTS			
3-8-13	Full Mouth Rehabilitation	Dr. Paul Hansen	Des Moines - Hilton Garden & Center for Advanced Dental Education	6 Lecture 16 par.
3-9+10-13				

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Julie Berger-Moore

Address: 529 N. 33rd St. Lincoln NE 68503 Phone: 402-436-2321

Julie Berger-Moore Signature Date: 6-14-2012

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Iowa Dental Assistants Assoc.

Contact Person: Patti Ensey Phone: 563-579-4300 Fax: 563-332-1649

Address: 1301 Canal Shore Dr. E-mail: ensey4@yahoo.com
Le Claire, IA 52753

2. Name of Current Officers, Title, Address, Phone:

President

Immed. Past Pres.

Treasurer

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Patti Ensey, CDA, RDA Phone: 563-579-4300 Fax: 563-332-1649

Full Address: 1301 Canal Shore Drive, Le Claire, IA 52753

Internet Address: idaada.org E-mail: ensey4@yahoo.com

4. How many courses, meetings or programs did your organization sponsor last year? 4

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#3107 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
4-29-11	Hand Hygiene		Clarion Hotel IA City	1
4-30-11	Your Mouth, Your Health Advancing Wellness through Diagnostics	Sally Salsbery (Richelle Pipsky)	↓	2
4-30-11	Orthodontic Appliances	Ann Richards, DDS, MS Michelle McManus, DDS, MS	↓	2
4-30-11	Nutritional Applications to Improve Periodontal Health	Joe Dunning	↓	3

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Patti Ensey, CDA, RDA, Immediate Past Pres.

Address: 1301 Canal Shore Dr. LeClaire, IA 52753 Phone: 563-579-4300

Patti Ensey

Signature

7-18-12

Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
 IOWA DENTAL BOARD
 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

RECEIVED

AUG 3 REC'D

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Iowa Dental Association

Contact Person: Suzanne Lamendola Phone: 515-986-5605 Fax: 515-986-5626

Address: 5530 West Parkway, Ste. 100, Johnston, IA 50131 E-mail: info@iowadental.org

2. Name of Current Officers, Title, Address, Phone:

Dr. Daniel Kegler, President, 1114 - 3rd St., NE, Independence, IA 50644, 319-334-3342

Dr. Mary Mariani, President-Elect, 1328 E. 9th St., Davenport, IA 52803, 563-336-3216

Dr. Bruce Cochrane, Vice-President, 1611 - 1st Ave., N., Fort Dodge, IA 50501, 515-576-8151

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Suzanne Lamendola Phone: 515-986-5605, ext. 104 Fax: 515-986-5626

Full Address: 5530 West Parkway, Suite 100, Johnston, IA 50131

Internet Address: www.iowadental.org E-mail: suzanne.lamendola@iowadental.org

4. How many courses, meetings or programs did your organization sponsor last year? 13

5. How many courses, meetings or programs do you anticipate sponsoring this year? 7

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#24446 \$100

2011-2012
Educational Programs
and Courses

	A	B	C	D	E
1	Date	Course Title	Instructor	Location	Hours
2					
3	5/6/2011	IDA Dental Reviews-1st Session		Coralville	2.25
4		Vitamin D: A Topic You Can Sink Your Teeth In To	Ryan Jacobsen, PharmD		
5		Trigeminal Nerve Injury-Etiology, Evaluation & Treatment	Dr. Teresa Morgan		
6		Case Presentations of Bisphosphonate Osteonecrosis of the Jaws	Dr. John Hellstein		
7					
8	5/6/2011	IDA Dental Reviews-2nd Session		Coralville	1
9		Diagnosis, Treatment and Prognosis of Cracked/Split Teeth	Dr. Bruce Justman		
10					
11	5/6/2011	IDA Dental Reviews-3rd Session		Coralville	1.5
12		Diabetes in Dentistry, A Concise Review	Dr. Richard LeBlond		
13		Tips for Treating the Anxious Pediatric Dental Patient	Dr. Michael Kanellis		
14					
15	5/6/2011	IDA Dental Reviews-4th Session		Coralville	1.5
16		Dental Prophylaxis for Total Joint Replacement Patients	Dr. Nicolas Noiseux		
17		Up from the Wheelchair - Using Intensive Nutrition to Defeat Secondary	Dr. Terry Wahls		
18		Progressive Multiple Sclerosis and Straighten Teeth			
19					
20	5/6/2011	Radiography Renewal: Current Rules and Guidelines for Radiation	Dr. Axel Ruprecht	Coralville	2
21		Protection in Iowa			
22					
23	5/6/2011	Dental Infection Control: Infection Prevention for the Iowa Dental Practice	Dr. Carrie McKnight	Coralville	2
24			Dr. Sherry Timmons		
25					
26	5/7/2011	Extreme Dental Makeovers Without Extreme Tooth Reduction	Dr. Ross Nash	Coralville	3.5
27					
28	5/7/2011	Conservative Esthetics: Indirect & Direct Anterior Preparations	Dr. Ross Nash	Coralville	2.5
29		Hands-on Workshop			
30					
31	5/7/2011	Predictability and Simplification of Implant Prosthetics	Dr. Robert Vogel	Coralville	3
32					
33	5/7/2011	Controversies in Dental Prescribing	Karen Baker, RPh	Coralville	3
34					
35	5/8/2011	Great Communication=Great Production	Cathy Jameson	Coralville	3.5
36					

2011-2012
Educational Programs
and Courses

	A	B	C	D	E
37	5/8/2011	Speak Your Peace	Cathy Jameson	Coralville	2.5
38					
39	5/8/2011	Dental Professional Liability Risk Management Seminar	Dr. John Vaselaney	Coralville	4.5
40					
41					
42	5/4/2012	Global Diagnosis-A New Vision of Dental Diagnosis and Treatment Planning	Dr. William Robbins	Des Moines	6
43		(divided into 4 sessions @ 1.5 per session)			
44					
45	5/4/2012	Sleep to Nuts-What You Need to Know to Get Started Treating Snoring	Dr. Barry Freyberg	Des Moines	6
46		and Sleep Apnea			
47		(divided into 4 sessions @ 2.0; 1.5; 1.5; 1.0)			
48					
49	5/4/2012	Win the Battle Against Biofilm: Leverage the Power of Ultrasonics	Doreen Johnson, RDH, MA.Ed.	Des Moines	3.5
50		(divided into 2 sessions @ 1.5; 2)			
51					
52	5/4/2012	Perfecting the Provisional Crown Process: Differentiating Material	Theresa Groody, M.Ed., CDA	Des Moines	3.5
53		and Methods			
54		(divided into 2 sessions @ 1.5; 2)			
55					
56	5/4/2012	Infection Control Update	Terri Deal, CDA, RDA	Des Moines	2
57					
58	5/4/2012	Radiography Renewal Update	Terri Deal, CDA, RDA	Des Moines	2
59					
60	5/5/2012	Why Are Women So Strange and Men So Weird	Dr. Bruce Christopher	Des Moines	3
61		(divided into 2 sessions @ 1.5 per session)			
62					
63	5/5/2012	Bambi vs. Godzilla	Dr. Bruce Christopher	Des Moines	3
64					
65	5/5/2012	Dental Caries Update: Epidemiology, Pathogenesis and Prevention	Dr. John Hicks	Des Moines	3
66		(divided into 2 sessions @ 1.5 per session)			
67					
68	5/5/2012	From Contemporary Minimally Invasive to Traditional Pediatric	Dr. Kevin Donly	Des Moines	3
69		Restorative Dentistry			
70					
71	5/5/2012	New Dimensions in Endodontics	Dr. Alex Fleury	Des Moines	3
72		(divided into 2 sessions @ 1.5 per session)			

2011-2012
Educational Programs
and Courses

	A	B	C	D	E
73					
74	5/5/2012	New Dimensions in Endodontics Hands-on Workshop	Dr. Alex Fleury	Des Moines	3
75					
76	5/6/2012	Improving Patient Care Through Evidence-Enhanced Practice	Dr. Leslie Winston	Des Moines	3
77					
78	5/6/2012	Complications of Dentoalveolar Surgery	Dr. Larry Weeda	Des Moines	3

CONTINUING EDUCATION SPONSOR APPLICATION

RECEIVED

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

JUN 20 2012

IOWA DENTAL BOARD

Groups or organizations wanting to obtain status as a board-approved sponsor of continuing education must complete this application and enclose the sponsor fee of \$100.

1. Official Name of Sponsor Group: Iowa Dental Hygienists' Association
Contact Person: Brenda Platz Phone: 319.530.4582 Fax: _____
Address: 503 PLUM ST. SOLON, IA 52333 E-mail: bplatz25@gmail.com

2. Type of organization (attach bylaws if applicable):
 Constituent or component society Dental School
 Dental Hygiene School Dental Assisting School
 Other (please specify): _____

3. If applicable, approximate number of active members 426

4. Name of Current Officers TITLE ADDRESS PHONE
See Attached

5. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the Board's website.
Name: Brenda Platz Phone: 319.530.4582 Fax: _____
Full Address: 503 PLUM ST SOLON IA 52333
Internet Address: www.iowadha.com E-mail: bplatz25@gmail.com

6. Approximately how many courses, meetings or programs does your group or organization sponsor each year? 36

7. Average number of attendees at each course or meeting: ~175 State level, ~25 Component level

8. How many courses, meetings or programs do you anticipate sponsoring this year? 36

9. Which of the following educational methods does your organization use? Please check all applicable.
 Home study (e.g. self assessment, reading, educational TV, internet courses)
 Lectures
 Participation
 Discussion
 Demonstration

#1577 \$100

10. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Risk Management
- OSHA regulations/Infection Control
- Other: _____
- Patient record keeping
- Communication

11. List all educational programs or courses offered during the preceding two years. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
<i>See Attached sheets</i>				

12. Please attach a program brochure, course description, or other explanatory material to describe a "typical" yearly program sponsored by your organization.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the Board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the Board rules for planning and providing continuing education.

Name of person completing this application: Brenda Platz

Address: 503 PLUM ST SOLON, IA 52333 Phone: 319.530.4582

Brenda Platz Signature 06/10/12 Date

Please note: The sponsor application fee of \$100 must accompany this application. You will be contacted after the Continuing Education Advisory Committee and Iowa Dental Board has reviewed your application.

RETURN TO:
IOWA DENTAL BOARD
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

Iowa Dental Hygienists' Association 2012-2013

Elected Officers

President (2012-2013)

Lori Brown
PO Box 11
Cumming, IA 50061
elrbrown@aol.com

c) 515-321-4759
w) 515-964-6309

imbrown@dmacc.edu

President-Elect (2012-2013)

Miriam Burk
PO Box 573
Walcott, IA 52773
Burkmiriam@yahoo.com

C) 563-271-3669

Immediate Past President (2012-2013)

Angie Kelley
405 N. Elm
Avoca IA 51521
akelleyrhdh@gmail.com

H) 712.343.6026
C) 712.326.9088
W) 712.328.0708

Vice President (2013) No term limits

Jen Pierce
608 Warford St.
Perry IA 50220
jennyidhavp@aol.com

H) 515.465.5986
C) 515.249.6385
W) 515.224.1618

Recording Secretary (2011-2013)

Sarah Bauer
1529 Merle Hay Rd.
Des Moines, IA 50311
sarahb@bauerglobal.com

C) 515-971-5124

Treasurer (2011-2013)

Laurie Abbas
1490 Kent Ave
Kanawha IA 50447
lwabbas@hotmail.com

C) 641.430.9358

Speaker of the House (2013)

Lea Snedden
1702 Palisades Road
Mt. Vernon IA 52314
dlsnedden@msn.co

No term limits
H) 319.895.0505 ph/fax
C) 319.721.3309
W) 319.337.5752

Administrative Council Trustee (2012-2014)

Carol Hooper
1604 West 3rd Ave
Indianola, IA 50125
Cbh504@gmail.com

c) 515-979-5701
w) 515-276-7800

Member Services Trustee (2011-2013)

Susana Krohn
103 Stone Hedge Drive NW
Cedar Rapids IA 52405
ghkrohn@msn.com

C) 319.431.4468

Professional Development Trustee (2012-2014)

Nancy Miller
1898 Zinnia Ave
Rockford IA 50468
dnmiller@myomnitel.com

H) 641.749.2604
C) 641.420.3496
W) 641.423.6172

Component Presidents' Council

1. Linn County Component

Susana Krohn
103 Stone Hedge Dr. NW
Cedar Rapids, IA 52405
ghkrohn@msn.com

h) 319-390-4501
c) 319-431-4468

2. Central Iowa Component

Cora Mondloch
8590 Arthur Trail
Cumming, IA 50061
515-981-0091
cwillhoft@yahoo.com

Marianne Saxton
220 S. 27th St.
West Des Moines, IA
515-226-7835
maresax@aol.com

3. Quad Cities Component

Linda Rowe
1231 21st. St
Rock Island, IL 61201
lindarowe@mchsi.com

H) 309-788-8858
W) 563-355-4544

4. Iowa City Component

Brenda Platz
503 Plum St
Solon, IA 52333
c) 319.530.4582
Bplatz25@gmail.com

Sandy Gaul
1886 1st St.
Tipton, IA 52772
563-299-9694
sandysue97@yahoo.com

Lyndsi Scharpf
11564 West Cross Rd
Galena, IL 61036
c) 563-580-9939
Lyndsi.scharpf@gmail.com

Deb Schuler
11638 W/ Cross Rd.
Galena, IL 61036
815-777-4041

6. Waterloo Component

7. Northwest Component

Nadine DeVoss
20524 Greenview Rd
Council Bluffs, IA 51503
ndrdh@yahoo.com

H) 712-328-3739

8. Southeast Component-Contacts

Sherry Steinbach (Treasurer)
sherrysteinbach@hotmail.com

9. North Central Component

Amy Weishaar
509 2nd St. SW
Britt, IA 50423
amytynanrdh@hotmail.com

c) 641-257-9044* CALL FIRST

h) 641-843-3003

Courses Conducted by Iowa Dental Hygienists' Association and IDHA Components
July 1, 2010-June 30, 2012

Date	Course Title	Instructor(s)	Location	#Hours	Sponsor	# Attendees
10-8-10	<i>Breakthrough Biofilm Concepts- Dealing with Mother Nature's Microbial Masterpieces</i>	Anne Guignon, RDH, MPH	Valley Church, West Des Moines, IA	3.0	IDHA	153
10-8-10	<i>Teenagers – What Their Mouths are Telling You But They're Not: Practical Information on Teen Health Issues –</i>	Janette Delinger, RDH, BSDH	Valley Church, West Des Moines, IA	3.0	IDHA	153
10-7-10	<i>Contemporary Oral Pathology Issues</i>	Dr. John Hellstein, DDS, MS	Sheraton Hotel West Des Moines	6.0	Co-sponsored by IDHA and Iowa Society of Periodontology	122
5-6-11	Earth, Wind and Fire: The View	Debra Grant, RDH, BS, CA, Shirley Gutkowski, RDH, BSDH, FACE, Beth Thompson, RDH, BS, FACE, MFT	Sheraton Hotel Iowa City	6.0	IDHA	167
5-6-11	Table Clinics	--	Sheraton Hotel Iowa City	2.0	IDHA	195
5-7-11	Exploring Sleep Medicine and the Role of the Dental Team	Beth Thompson, RDH, BS, FACE, MFT	Sheraton Hotel Iowa City	3.0	IDHA	64
10-7-11	Did I Get It All? How to Follow Proper Record Keeping and Documentation in the Dental Office	Jane Weiner, RDH	Valley Church, West Des Moines, IA	3.0	IDHA	162

10-7-11	Perky Perio	Shirley Gutkowski RDH, BSDH	Valley Church West Des Moines	3.0	IDHA	160
5-4-12	Achieving Excellence in Treating and Counseling the Oncology Patient	Sandra Boody, CDA, RDH, MEd	The Meadows Events and Convention Center	3.0	IDHA	197
5-4-12	A Realistic Approach to Oral Care in Long Term Care, Hospitals and Hospice	Sandra Boody, CDA, RDH, MEd	The Meadows Events and Convention Center	3.0	IDHA	197
5-4-12	Table Clinics	--	The Meadows Events and Convention Center	2.0	IDHA	223
5-5-12	Etiology, Assessment, & Treatment of Oral Malodor" "Oral Health Literacy	Patricia Lenton, RDH, MA, CCRP	The Meadows Events and Convention Center	3.0	IDHA	79
11-13-10	Managing Hand and Wrist Pain Caused From Dental Instrumentation	Sharon Crowe, RDH, BSDH, MS	Mercy Medical Center Cedar Rapids	2.5	Linn County and Iowa City Component	
01-2011	CPR Recertification and Medical Emergencies in the Dental Office	Anita Shubert, RDH	Mercy Medical Center Cedar Rapids	6.0	Linn County Component	12
03-02-2011	Early Detection and Diagnosis of Oral Cancer- What Dental Health Professionals Should Know	Sherry Timmens, DDS, PhD Sharon Bertroche, MD	Mercy Medical Center Cedar Rapids	4.0	Linn County Component	
10-29-11	Understanding the Oral Systemic Connection from Intensive Care To Long Term Care	Cindy Kleiman RDH, BS	Mercy Medical Center Cedar Rapids	4.0	Linn County Component	56
12-13-11	Clinical Risks Involving	Joan	Dental	2.0	Linn County	20

	Repetitive Motion In Oral Health Care	Wollschlager, RDH	Prosthetics Service Lab Cedar Rapids		Component	
01-2012	CPR-recertification and Medical Emergencies in the Dental Office	Anita Shubert RDH	Mercy Medical Center Cedar Rapids	6.0	Linn County Component	12
2-21-12	Oral Health Literacy: Improving Patient Comprehension	Michelle McQuiston DDS- MS	Dr. David Gehring office, Cedar Rapids	1.5	Linn County Component	
2-29-12, 3-9-12	Care and Treatment of Cancer of the Mouth” Speech Therapy Interventions Related to Oral Pharyngeal Cancer	Kevin Murray, MD Cindy Barrios, MA, CCC-SLP	Mercy Medical Center Cedar Rapids		Linn County Component	
03-20-10	Hot Topics for Hygiene Practice	Cindy Marek, PharmD, FACA	Finley Hospital Dubuque	3.0	Dubuque Component	
11-3-10	Helping Your Patients and Yourself: Dental Options for Seep Apnea and Stress	Dr. Wm Kuttler, DDS	Finley Hospital Dubuque	2.0	Dubuque Component	
10-29-11	Where oh Where did that Enamel Go“: Dental Erosion in pediatric patients and other interesting topics	Dr. Valerie Pekosh	Finley Hospital Dubuque	2.5	Dubuque Component	
10-5-10	Brief Tobacco Intervention and the Latest Information on Tobacco Cessation Medications	Nancy Slach, RDH, BS, TTS	Mercy Hospital, Iowa City	2.0	Iowa City Component	7
3-8-10	ASD, SID, PDD-NOS, Brat	Linda Rowe, RDH, BS, MS	Mercy Hospital, Iowa City	2.0	Iowa City Component	
4-5-10	Table Clinics with Kirkwood Community College Students Question and Answers with Licensed Hygienists	Kirkwood Senior Dental Hygiene Students	Mercy Hospital, Iowa City	2.0	Iowa City Component	
10-18-11	The Five W’s of Xylitol	Angie Stone RDH, BS	Mondo’s Sports Café	2.0	Iowa City Component	15
11-14-11	The Environment, Diet and Common Sense Dietary Practices	Dr. Teresa Marshall, RD, PhD	Mondo’s Sports Café	2.0	Iowa City Component	7
12-3-11	Treatment of the Periodontal Patient: Current	Dr. Derek	Hills Bank and	4.0	Iowa City	60

	Topics and Techniques	Borgwardt, DDS, MS	Trust, Iowa City		Component	
1-18-12	Role of the Oral Health Professional in Screening for Tobacco Use and Hypertension	Dr. Christopher Squire DDS, PhD and Nancy A. Slach, RDH,BS,TTS	National Guard Armory, Iowa City	2.0	Iowa City Component	20
2-20-12	Everything you want to know about Fluoride	Dr. Steven Levy	National Guard Armory, Iowa City	2.0	Iowa City Component	
3-2012	Alternate Practice Settings	Carol VanAernam, BSDH, Eileen Tosh RDH, BS	National Guard Armory, Iowa City	1.5	Iowa City Component	
04-2012	Table Clinics with Kirkwood Students	Kirkwood Comm. College Senior DH students	U of I Dental Science Bldg.	2.0	Iowa City Component	
9-20-10	Hidden Issues in Health Histories & Current Issues in Pain Management,	Cindy Marek, PhD, FACA		3.0	North Central	85
2-5-10 and 2-18-10	Oral Radiography and Infection Control Update	Sue Ollman, BSDH	Northern Iowa Area Comm. College (NIACC)	4.0	North Central	105
3-21-11	<i>Oral Pathology</i>	Michael Finkelstein, DDS, MS	NIACC	3.0	North Central & North Central District Dental Assn.	85
9-9-11	<i>Clinical Records Prevent Criminal Records</i>	Roy Shelburne, DDS	NIACC	3.0	North Central & North Central District Dental Assn	65
10-11-11	<i>The Role of the Hygienist in the Periodontal Office</i>	Trese Castle, RDH	Mercy Hospital, Mason City	1.0	North Central Dental Hygienists Component	16
April 2012	<i>Public Health Supervision</i>	Carol Van	Mercy Hospital	1.0	North Central	

		Aernam, BSDH	Mason City		Dental Hygienists Component	
9-14-10	Do You Know if Your Patients, Co Workers, Friends, Family or You have an Addiction	Officer Mark Alba and Ann Chambers BSDH	Council Bluffs, IA	2.0	Northwest Component	18
11-12-10	Boomers and Seniors: Living Longer & Healthier-Is Your Practice Ready?" and "Taking Periodontal Care from Good to Great	Carol Jahn, RDH, BS	Council Bluffs, IA	6.0	Northwest Component	65
1-11-11	<i>Perio Update</i>	Dr. Dennis Anderson, DDS	Council Bluffs Public Library	2.0	Northwest Component	6
9-13-11	New Products for Quality Dental Hygiene Care	Laurie Kummer	Council Bluffs, IA	2.0	Northwest Component	75
11-4-11	What are the Odds-It Starts and Ends with YOU	Pat Pine, RDH	Council Bluffs, IA	3.0	Northwest Component	75
11-4-11	Discoveries Beyond the Naked Eye	Pat Pine, RDH	Council Bluffs, IA	3.0	Northwest Component	75
2-7-12	Role of the Oral Health Professional in Screening for Tobacco Use and Hypertension	Nancy Slach, RDH Dr. Chris Squire	Council Bluffs, IA	2.0	Northwest Component	44
9-13-10	INFECTION CONTROL AND OSHA UPDATE: ANNUAL TRAINING PROGRAM FOR THE DENTAL TEAM and SAFETY PROCEDURES	Video Presentation	Mississippi Bend Area Education Agency (MBAEA)	1.5	Quad Cities Component	169
10-11-10	UNDERSTANDING THE PATIENT WITH MEMORY LOSS TO ALZHEIMERS	Robert Flowers MD	MBAEA	1.0	Quad Cities Component	40
11-6-10	ORAL CARE IS CRITICAL CARE; THE ROLE OF THE RDH IN THE ICU/ and MEDICAL HISTORIES AND MEDICAL EMERGENCIES	Cindy Kleiman, RDH, BS	MBAEA	4.0	Quad Cities Component	77
1-10-11	SALIVARY DIAGNOSTICS FOR DENTISTRY	Richelle Pipski, RDH	MBAEA	1.5	Quad Cities Component	27
2-14-11	MOST COMMON SIDE EFFECTS OF VARIOUS CANCER TREATMENTS	Carolene Robinson, RN,NA, CNAS, AOCN	MBAEA		Quad Cities Component	22

3-26-11	INTRODUCTION TO LASERS IN DENTAL HYGIENE	Janet Press, RDH	MBAEA	4.0	Quad Cities Component	
10-10-11	Maintaining Equilibrium	James Wefel, PhD	MBAEA	1.5	Quad Cities Component	33
11-12-11	Saving for the Future-Dental Stem Cells	Janet Press, RDH	MBAEA	3.0	Quad Cities Component	66
11-14-11	Diagnostic Tests-What you should know	Dan Caplan, DDS, PhD	MBAEA	1.5	Quad Cities Component	34
1-9-12	Public Health Supervision for Dental Hygiene Practice	Carol Van Aernam, BSDH Mary Kelly, BSDH	MBAEA	1.5	Quad Cities Component	39
2-11-12	Your Hands, Your Hands, Your Hands	Sherry Burns, RDH, MS	MBAEA	6.0	Quad Cities Component	91
2-13-12	Environmental Nutrition	Teresa Marshall, PhD, RD/LD	MBAEA	1.0	Quad Cities Component	28
3-5-12	What's Sex Got to Do With It?	Janette Delinger, RDH, MSDH	MBAEA	1.5	Quad Cities Component & Sonicare	30
03-2012	Invisalign Tooth Straightening and How Hygienists Should Address This Patient's Oral Hygiene Needs	Dr. Dwayne Patritto	Dr. Patritto's office, Ottumwa, Iowa	1.0	Southeast Component	9
10-2010	"Can Candy and Gum with Xylitol Help Prevent Caries?"	Sarah Bauer, RDH	Mt. Pleasant public library	1.0	Southeast Component	8
3-2-11	<i>General Nutrition</i>	Dee Sandquist, RD	Ottumwa, IA HyVee	1.0	Southeast Component	5
10-1-11	<i>Autism Dental Patients in Your Hygiene Chair</i>	Linda Rowe, RDH	Mt. Pleasant Library	3.0	Southeast Component	7
	<i>Evidence Based Dentistry</i>	Mary Kelly, BSDH	DMACC BLDG #1	2.0	Central Component	
11-15-11	<i>Minimally Invasive Dentistry</i>	Dr. Craig Grandgenette	DMACC BLDG #9	1.0	Central Component	

01-2012	Dental Therapist/ Advanced Dental Hygiene Practitioner Education	Coleen Brickle via webcast	DMACC BLDG #9	2.0	Central Component	
3-13-12	DMACC Table Clinics presented by Students	Senior DMACC Hygiene Studnets	DMACC Ankeny Campus	1.0	Central Component	

Perky Perio

Shirley Gutkowski, RDH, BSDH, FACE

This course is for the dental health care professional who is still slightly interested in periodontal disease and looking for exciting new material and sure ways to present, treat, and maintain it.

It is hard to believe that periodontal infections can create so much trouble in the body. Come find out the hows and the whys. The physiology of infections is not that complex. The hygienist with an eye towards health is invited to this exciting program of science.

Course Objectives

- * New and better disease detection
- * Find ways to communicate with your patients
- * Manage the infection using blood markers
- * Treatment options you have just read about

Shirley Gutkowski, RDH, BSDH, FACE is an international speaker, writer, and practiced general dental hygienist. She is a graduate of Marquette University and the school of hard knocks. Ms. Gutkowski is an award winning writer—publishes and authors *The Purple Guide* series of books. She is the Past President of the Wisconsin DHA, CareerFusion coach, Leadership Award winner from the World Congress of Minimally Invasive Dentistry. She is also the 2008 Alumna of the Year Award winner from Marquette University School of Health Science. Her courses center on early diagnosis and minimal invasion by the care providers. Her books are available online at www.rdhpurpleguide.com.



This course is sponsored by Xlear, GC America, Orasoptic, Bosworth, Young Dental, Kavo, Exploring Transitions, Cetylite, and Career Fusion.

Did I Get It All? How to Follow Proper Record Keeping and Documentation in the Dental Office

Jane Weiner, RDH

Each member of the dental team must have the knowledge, understanding and ability to follow proper documentation procedures in the dental office. The management of common risks and pitfalls, HIPAA and ADA Risk Management guidelines is of utmost importance. In honor of the 10 year commemoration of 9/11, this presentation will emphasize the importance of the extra oral exam.

Course Objectives

- * Discuss chart documentation and the professional license
- * Know which abbreviations are acceptable for documentation
- * How documentation affects identification procedures
- * How guidelines relate to both paper and electronic charts
- * Discuss ADA Risk Management Guidelines
- * Perform a caries risk assessment that follows proper guidelines
- * Recognize risk management issues and related documentation
- * Know which abbreviations are not acceptable and why
- * Understand how to manage common risks
- * Incorporate HIPAA guidelines for patient privacy
- * Understand how to avoid litigation
- * List/perform the steps of a thorough extra oral exam

Jane Weiner, RDH, 1964 graduate of the Forsyth School for Dental Hygienists; liberal arts at Tufts University; informatics specialist at Nova Southeastern College of Dental Medicine. 2003 Recipient of the Dr. Esther M. Wilkins Distinguished Alumni Award. 2005 Recipient of the Philips Oral Health Care/RDH Magazine Mentor of the Year Award. 2006 Recipient of the Sunstar Butler Award of Distinction. Owner of Jane Weiner, RDH, Board Reviews, Inc. (<http://janewrdh.com>). Co-author of Saunders Review of Dental Hygiene, 2nd Ed. Co-editor of the Review of Dental Hygiene for Friends of Hu~Friedy. Consulting editor and on Editorial Board RDH Magazine. Frequent contributor to RDH and Modern Hygienist.



This course is sponsored by Philips Sonicare

Laurie Abbas, RDH
 IDHA Treasurer
 1490 Kent Avenue
 Kanawha, IA 50447

Iowa Dental Hygienists' Association

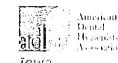


Fall Event

6 CEUs

Friday
 October 7, 2011

8:00 am to 4:00 pm
 Valley Church
 4343 Fuller Road
 West Des Moines



www.iowadha.com

IDHA is pleased to continue to offer quality dental hygiene continuing education at consistent fees for over 10 years. We look forward to seeing you in October!

SCHEDULE

- 8:00 to 9:00 am** Corporate Exhibits Open
Registration
Continental Breakfast
3M ESPE
- 9:00 to 12:00pm** "Perky Perio"
Shirley Gutkowski, RDH, BSDH, FACE
3 CEUs
- 12:00 to 1:00 pm** LUNCH ~ Corporate Exhibits Open
(provided with registration)
- 1:00 to 4:00 pm** "Did I Get It All? How to Follow Proper Record Keeping and Documentation in the Dental Office"
Jane Weiner, RDH
3 CEUs

To accommodate temperature variations at the site, please dress in layers.
Special needs or questions, contact Brenda Platz, CE Chair at
bplatz25@gmail.com or call 319.530.4582.

✓ Mark Your Calendars ✓

- November 17~19** Iowa Mission of Mercy ~ Sioux City
www.iowamom.org
- February 29, 2012** Lobby Day ~ Des Moines
- May 4~5, 2012** IDHA Annual Session ~ Des Moines



What is a PAC? It is a voluntary, non~profit Political Action Committee that supports the goals of IDHA. It operates independently and autonomously.

RDH PAC is not affiliated with any one political party but supports candidates who have demonstrated an interest in excellence in dental hygiene, and to persuade other candidates to hear our voice.

If you would like to contribute to the voice of dental hygiene in Iowa, mail IDHA RDH PAC, 1490 Kent Ave., Kanawha, IA, 50447, your tax~deductible contribution payable to RDH PAC #6477.

Thank you for your support!

2011 Fall Event Exhibitors

PHILIPS sonicare

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Crest Oral-B

DENTSPLY

SUNSTAR

G.U.M.
HEALTHY GUMS. HEALTHY LIFE.™

3M ESPE

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ids

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Registration Form



Name _____ Name Change? Yes No
Address _____ Address Change? Yes No
City, State, Zip _____
Home Phone _____ Work Phone _____
Email _____ License # _____ Membership ID# _____

Method of Payment

Full payment must accompany registration form. Checks payable to: IDHA
Mail check and registration form to: IDHA, 1490 Kent Ave, Kanawha, IA, 50447

Early registration MUST be POSTMARKED by September 28th please check box

Registered Dental Hygienists' Continuing Education Courses

Friday, October 7th ~ 6 CEUs

"Perky Perio" 3 CEUs
Shirley Gutkowski, RDH, BSDH, FACE

"Did I Get It All? How to Follow Proper Record Keeping and Documentation in the Dental Office" 3 CEUs
Jane Weiner, RDH

9:00 am - 4:00 pm

Lunch included

registration is limited

RDHs ONLY

Before September 28th

- RDH ADHA Member.....\$ 85.00
 RDH Potential Member...\$145.00
 DDS/DA.....\$ 85.00

ADD \$40.00 Late Fee if postmarked after September 28th

Special Dietary Request

vegetarian meal please

If dietary request is not submitted here, IDHA can not promise availability

Total enclosed: \$

REFUND POLICY: Written notification must be received by October 1st to IDHA by mail, 1490 Kent Ave, Kanawha, IA, 50447. A \$35.00 administration fee will be charged.

www.iowadha.com

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

JUL 13 2012

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Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Iowa Lakes Community College

Contact Person: Rosemary Coleman Phone: 712-852-5226 Fax: 712-852-5324

Address: Allied Health, 3200 College Dr, Emmetsburg E-mail: rcoleman@iowalakes.edu
IA 50536

2. Name of Current Officers, Title, Address, Phone:

- Valerie Newhouse, President, 19 S 7th St, Estherville, Ia 51334 712.362.4435
- Tom Brotherton, Exe. Dean of Emmetsburg, 3200 College Dr, Emmetsburg, Ia 50536 712-852-5244
- ~~Jane Campbell, Exe Dir. Marketing, 300 S 18th St, Estherville, Ia 51334 712.362.7947~~
- Mark Gruwell, Exe. Dean of Inst & Dev, 19 S 7th St, Estherville, Ia 712-362.4439
- Delaine Hiney, Exe Dir of Facilities Mgt, 19 S 7th St, Estherville, Ia 712.362.4428
- Robert L'Heureus, VP of Admin, 19 S 7th St, Estherville, Ia 712.362.4421

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Rosemary Coleman Phone: 712.852.5227 Fax: 712.852.5324

Full Address: Allied Health, 3200 College Dr, Emmetsburg, Ia 50536

Internet Address: www.iowalakes.edu E-mail: rcoleman@iowalakes.edu

4. How many courses, meetings or programs did your organization sponsor last year? 1

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

+ roster
#048218 \$125
\$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

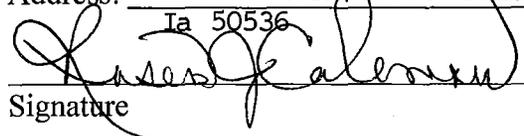
<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
10/15/2010	Radiography Renewal for Dental	Jody Miller	Emmetsburg	2
10/15/2010	Infection Control Renewal for Dental Asst	Cathy VanWinkle	Eburg	2
10/21/11	Radiography Renewal for Dental Asst	Jody Miller	Emmetsburg	2
10/21/11	Infection Control Renewal for Dental Asst	Cathy VanWinkle	Eburg	2

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Rosemary Coleman

Address: Allied Health, 3200 College Dr, Emmetsburg, Ia 50536 Phone: 712.852.5226


Signature

6-28-12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
 IOWA DENTAL BOARD
 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687



JOIN US! EARN UP TO 8 CE CREDITS

DOCTOR'S LECTURE

Lessons of the Downturn: Positioning for the Future

Dr. Fischer's one-day course provides an abundance of ideas and techniques to enhance your practice while accommodating the needs of all patients. It demonstrates how the use of technology enables you to provide affordable, quality treatments that improve your patients' lives and your bottom line. It also emphasizes minimally invasive, repairable esthetics and early childhood preventative intervention.

This course will focus on practical information that can be utilized in your practice. Course topics will include:

- The important principles of quality adhesives and esthetic resins for direct reconstruction of the anterior fractured tooth
- More about tooth whitening/bleaching and the minimum age one can bleach
- The best treatment options for fluorosis
- The mechanism of the peroxide whitening process
- Techniques for the direct reconstruction of mutilated posterior teeth

STAFF LECTURE

Improving Your Effectiveness as a Dental Professional

Everyone wants to improve their effectiveness on the job. Take this opportunity to learn about tried and true dental products and techniques from Ultradent's R&D clinical hygienist, Carol Jent. Carol will break the day into two of the following three informative and engaging sessions:

Seven Products Every Hygienist Needs to Know About.

Learn the ins and outs of some of the most essential products available to hygienists today. Carol will cover a few of the "must-haves" in her hygiene tool kit, including some very unique products developed by hygienists to make their jobs easier.

Putting an End to Dental Caries: Wishful Thinking or Potential Reality? Dental caries is the most common chronic disease affecting children in the United States. It is five times

more common than asthma and seven times more common than hay fever. Is there a "magic pill" to prevent tooth decay? Possibly. Learn about products that can help your patients overcome this preventable disease.

Tooth Whitening: Your Questions Answered

Did you know Americans spend approximately \$1.4 billion on tooth whitening every year? Keep up to date on this hot topic as Carol discusses the history and theory of tooth whitening, safe and efficacious treatment strategies, how to match the right product to the right patient, the latest research breakthroughs, and the all-important pre-whitening exam.

TO REGISTER PLEASE CALL:

1-800-520-6640 Ultradent Seminars

Note: Due to limited space, registration is limited to 2 clinical staff members per doctor.

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ADA CERP® | Continuing Education Recognition Program

Ultradent Products, Inc. is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Ultradent Products, Inc. designates this activity for 8 continuing education credits.

ULTRADENT
PRODUCTS, INC.

Cancellation Fees May Apply

800.520.6640 | www.ultradent.com/desmoines

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JUL 26 2012

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Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: IOWA SOCIETY OF ORTHODONTISTS

Contact Person: CLAYTON PARKS Phone: (319) 329-0161 Fax: (319) 363-8886

Address: 2727 1st Avenue SE Cedar Rapids IA 52402 E-mail: ctparks@imanmail.com

2. Name of Current Officers, Title, Address, Phone:

Dr James Grabowski, President - Spencer, IA 712 253 2495

Dr Steven J Mack, Vice President - Bettendorf, IA 563 343 8344

Dr Clayton Parks Secretary/Treasurer - Cedar Rapids IA 319 363 3575

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Clayton T Parks, DDS MS Phone: 319 363 3575 Fax: 319 363 8886

Full Address: 2727 1st Avenue SE Cedar Rapids, IA 52402

Internet Address: www.msortho.org/components E-mail: clayparksiso@gmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 1

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#0885 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
10/24/10	"Miniscrew Placement"	Dr Jason Lape	Iowa City Sheraton	4
10/25/10	"Transitioning to 3D Orthodontics"	Dr Edward Lin	Iowa City Sheraton	4
10/25/10	"Practice Transitions, etc"	DAN WICKER, CPA	Iowa City Sheraton	3
10/16/11	"Evidence Based Orthodontics"	Stewen Marshall DDS MS	Iowa City SHERATON	4
10/16/11	"Exceptional Cases"	SOUTHARD & AL	Iowa City SHERATON	4
10/17/11	'Real World Challenges'	Dr Mark Yanosky	Iowa City SHERATON	4

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Clayton T Parks

Address: 2727 1st Avenue SE Phone: 319 3633575


Signature

7/12/12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

Phone (515) 281-5157 ♦ www.dentalboard.iowa.gov

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Iowa Western Community College

Contact Person: Sarah Kleffman Phone: 712/325-3259 Fax: 712/325-3729

Address: 2700 College Road, Council Bluffs IA 51503 E-mail: skleffman@iwcc.edu

2. Name of Current Officers, Title, Address, Phone:

Dr. Dan Kinney - President

Tom Johnson - Vice President Operations

Dr. Dorothy Duran - Vice President Academic Affairs

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Teresa Roddy Phone: 712/325-3265 Fax: 712/325-3729

Full Address: Iowa Western Community College, 2700 College Rd., Council Bluffs, Iowa 51503

Internet Address: www.iwcc.edu E-mail: troddy@iwcc.edu

4. How many courses, meetings or programs did your organization sponsor last year? _____

5. How many courses, meetings or programs do you anticipate sponsoring this year? _____

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#0333230 \$100

Dental Programs July 2010 – June 2012

Date	Title	Presenter	Location	#Hrs
3/09/11	Oral Pathology Review	Stephen Hess DDS	Council Bluffs	2
3/24/11	Head & Neck Cancer	John Shaner DDS	Council Bluffs	2
4/15/11	Rad Renewal/Infection Control	Miller/VanWinkle RDA	Council Bluffs	4
4/21/11	Expanded Functions	Amy Chadwell DDS	Council Bluffs	16
4/28/11	Teenagers-What Their Mouths Are Telling Us But They're Not!	Janette Delinger RDH	Council Bluffs	2
5/05/11	Adult/Child Abuse	Marcia Adler RN MSN	Council Bluffs	3
6/03/11	Rad Renewal/Infection Control	Miller/VanWinkle RDA	Council Bluffs	4
8/17/11	Dental Catch-Up Day	Miller/VanWinkle RDA	Council Bluffs	7
8/17/11	Occ Hlth & Safety/Meth Madness/Comm	Miller/VanWinkleRDA	Council Bluffs	4
11/3/11	Adult/Child Abuse	Marcia Adler RN MSN	Council Bluffs	3
3/22/12	Medical Emergencies in Dental Office	Dorothy Polan RDH	Council Bluffs	2
4/03/12	Preventive Dentistry	Amy Chadwell DDS	Council Bluffs	2
4/11/12	Women's Oral Health	Amy Chadwell DDS	Council Bluffs	2
4/12/12	Expanded Functions	Amy Chadwell DDS	Council Bluffs	16
4/20/12	Rad Renewal/Infection Control	Miller/VanWinkle RDA	Council Bluffs	4
4/25/12	Dental Implants	Robert Pfeifle DDS	Council Bluffs	2
5/09/12	Adult/Child Abuse	Di. N. Blomme RN	Council Bluffs	3

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Kirkwood Community College

Contact Person: Laura Daman, RN Phone: 319-398-5626 Fax: 319-398-7741

Address: 6301 Kirkwood Blvd. SW Cedar Rapids E-mail: laura.daman@
52406 kirkwood.edu

2. Name of Current Officers, Title, Address, Phone:

- Laura Daman, RN Program Developer, Nursing & Allied Health
- Michael McLaughlin, PhD, Dean - Health Occupations and
Health Simulation, Continuing Education & Training Services
319-398-4947 (same address as above)

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Laura Daman, RN Phone: 319-398-5626 Fax: 319-398-7741

Full Address: 6301 Kirkwood Blvd SW, Cedar Rapids, IA 52406

Internet Address: www.kirkwood.edu/ce E-mail: laura.daman@
kirkwood.edu

4. How many courses, meetings or programs did your organization sponsor last year? 19

5. How many courses, meetings or programs do you anticipate sponsoring this year? 19

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: Training for Mandatory Reporters of Dependent Adult Abuse
and Child Abuse.

#1384532 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	*Location	# Hours
SEE ATTACHED				
<p>NOTE: *Location for all Kirkwood Community College courses is "Main Campus" (6301 Kirkwood Blvd SW, Cedar Rapids) and/or KTS sites (Kirkwood county sites in the 7-county area served by Kirkwood Community College).</p>				

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Laura Daman, RN
6301 Kirkwood Blvd SW
Address: Cedar Rapids, IA 52406 Phone: 319-398-5626
Laura Daman, RN 8-27-12
Signature Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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ADVISORY COMMITTEE ON CONTINUING EDUCATION
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IOWA DENTAL BOARD

**Kirkwood Community College
Iowa Dental Board Sponsor Report
8/2010 - 8/2012**

Start Date	End Date	Course Title	Instructor	# of Hours
7/1/2010	6/30/2012	Expanded Functions Dental Assistant (Non Grad)	Pam Hanson/Jane Slach	max of 44
7/1/2010	6/30/2012	Expanded Functions Dental Assistant (Grad)	Pam Hanson/Jane Slach	max of 22.5
8/17/2010	8/17/2010	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
9/21/2010	9/21/2010	Child Abuse and Mandatory Reporting	Tara Strang	2
9/27/2010	9/27/2010	Infection Control & Hazardous Materials	Kristee Malmberg	2
10/19/2010	10/19/2010	Dental Radiology Update	Shaunda Clark	2
10/19/2010	10/19/2010	Training for Mandatory Reporters of Child Abuse and Dependent Adult Abuse	Diana Nicholls Blomme	3
10/22/2010	10/22/2010	Prevention 101	Shaunda Clark	2
10/27/2010	10/27/2010	Exp Functions: Cement Removal	Kristee Malmberg	2
12/3/2010	12/3/2010	Dental Radiology Update	Shaunda Clark	2
12/6/2010	12/6/2010	Infection Control & Haz Materials	Kristee Malmberg	2
12/7/2010	12/7/2010	Mandatory Reporter Training for Child & Dependent Adult Abuse	Diana Nicholls Blomme	3
12/7/2010	12/7/2010	Child Abuse and Mandatory Reporting	Kerstin Marnin	2
1/31/2011	1/31/2011	Pierced & Tatoood: Implications for Healthcare Professionals	Mike McLaughlin	2
2/8/2011	2/8/2011	Training for Mandatory Reporters of Child Abuse and Dependent Adult Abuse	Diana Nicholls Blomme	3
2/22/2011	2/22/2011	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
3/22/2011	3/22/2011	Child Abuse and Mandatory Reporting	Tara Strang	2
4/11/2011	4/11/2011	Infection Control and Hazardous Materials	Kristee Malmberg	2
4/19/2011	4/19/2011	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
4/21/2011	4/21/2011	Exp Functions: Cement Removal	Kristee Malmberg	2
6/7/2011	6/7/2011	Child Abuse and Mandatory Reporting	Kerstin Marnin	2
6/17/2011	6/17/2011	Dental Radiography Update	Jane Slach	2
7/1/2011	6/30/2012	Expanded Functions Dental Assistant (Non Grad)	Pam Hanson/Jane Slach	max of 44
7/1/2011	6/30/2012	Expanded Functions Dental Assistant (Grad)	Pam Hanson/Jane Slach	max of 22.5

8/16/2011	8/16/2011	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
9/13/2011	9/13/2011	Child Abuse and Mandatory Reporting	Tara Strang	2
9/13/2011	11/3/2011	Cross-Cultural Communication in Health Care Settings: Basic Spanish Language Skills	Giorgio D'Addezio	24
10/11/2011	10/11/2011	A Review of Dental Nutrition	Lisa Hebl	2
10/18/2011	10/18/2011	Training for Mandatory Reporters of Child Abuse and Dependent Adult Abuse	Diana Nicholls Blomme	3
11/2/2011	11/2/2011	Oral Sexually Transmitted Infections	Sharon Bertroche	2
11/8/2011	11/8/2011	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
12/6/2011	12/6/2011	Child Abuse and Mandatory Reporting	Kerstin Marnin	2
2/21/2012	2/21/2012	Training for Mandatory Reporters of Child and Dependent Adult Abuse	Diana Nicholls Blomme	3
3/2/2012	3/2/2012	Dental Radiography Update	Shaunda Clark	2
3/19/2012	3/19/2012	Ergonomics for Dental Professionals	Catherine Finch	2
3/20/2012	3/20/2012	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
3/30/2012	3/30/2012	Prevention 101	Shaunda Clark	2
4/3/2012	4/3/2012	Infection Control for the Dental Office	Kristee Malmberg	2
4/17/2012	4/17/2012	Child Abuse and Mandatory Reporting	Tara Strang	2
5/15/2012	5/15/2012	Dependent Adult Abuse and Mandatory Reporting	Diana Nicholls Blomme	2
5/18/2012	5/18/2012	Dental Radiography Update	Shaunda Clark	2
6/12/2012	6/12/2012	Child Abuse and Mandatory Reporting	Kerstin Marnin	2
7/1/2012	6/30/2013	Expanded Functions Dental Assistant (Non Grad)	Pam Hanson/Jane Slach	max of 44
7/1/2012	6/30/2013	Expanded Functions Dental Assistant (Grad)	Pam Hanson/Jane Slach	max of 22.5
7/24/2012	7/24/2012	Working with Patients with Medical Anxiety	Heather Cochran	5
8/17/2012	8/17/2012	Prevention 101	Shaunda Clark	2
8/21/2012	8/21/2012	Child Abuse and Mandatory Reporting	Tara Strang	2
	Note:	All Mandatory Reporting classes originate on Main Campus and are broadcast live to students at our 10 county sites via the Kirkwood Television System (KTS).		
	Note:	EFDA courses are classified as an "open enrollment" class each fiscal year. This means that the end date is determined by the student start date as established by the KCC dental faculty (Hanson or Slach).		

SPONSOR RECERTIFICATION APPLICATION

SEP 1 REC'D

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1. Official Name of Sponsor Group: Linn County Dental Society
 Contact Person: Don Sarasin Phone: 319-365-8441 Fax: 319-365-0480
 Address: 835 3rd Ave SE Cedar Rapids, IA E-mail: d.sarasin@mchs1.com

2. Name of Current Officers, Title, Address, Phone:
Earl Brinson - President 4207 Glass Rd NE Suite #2 Cedar Rapids IA 52402 319-294-8181
Ann Link - President Elect 1601 Boyson Square Dr Hiawatha IA 52233 319-366-8095
Don Sarasin - Vice President 835 3rd Ave SE Cedar Rapids IA 52403 319-365-8441
Sihann Ray - Secretary 1615 32nd St NE Cedar Rapids IA 52402 319-294-2323
Edwino Lanz - Treasurer 895 8th Ave Marion, IA 52302 319-377-2278

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.
 Name: Dr. Sihann Ray Phone: 319-294-2323 Fax: 319-395-6715
 Full Address: 1615 32nd St NE Cedar Rapids IA 52402
 Internet Address: linncountydental.society.org E-mail: _____

4. How many courses, meetings or programs did your organization sponsor last year? 5
 5. How many courses, meetings or programs do you anticipate sponsoring this year? 5

6. Which of the following educational methods does your organization use? Please check all applicable.
 Lectures
 Home study (e.g. self assessment, reading, educational TV, internet courses)
 Participation
 Discussion
 Demonstration

7. Course Subjects Offered: (check all applicable)
 Related to clinical practice
 Patient record keeping
 Risk Management
 Communication
 OSHA regulations/Infection Control
 Other: Community issues, child/adult abuse course.

#36819 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

*CSAA
RMTS
COUNCIL*

Date	Course Title	Instructor	Location	# Hours
Keyword Search <input type="text"/> Search <input type="button"/> View All <input type="button"/> Add New <input type="button"/>				
Result Page: 1 2 31 Total Records				
	EVENT TITLE	DATE START	ATTRIBUTES	
	<u>Custom Abutments for Dental Implants by Mike Glesseman</u>	4/12/2012	D	
X	<u>Esthetic Concerns in Periodontic Surgeries by Dr. Georgia Johnson</u>	3/6/2012	D	
	<u>Periodontal Update - Drs. Georgia Johnson and Quinn Morarend - Smoking Cessation Nancy Slach</u>	1/13/2012	D	<i>Kirkwood Community College</i>
X	<u>Selective Mucosal Diseases - Department of Oral Pathology - JOHN HESTER</u>	11/8/2011	D	
	<u>Member/Spouse dinner with the City Manager - Jeff Pomeranz</u>	9/29/2011	D	
X	<u>Local Anesthesia & Pain Control Update, Drs. Sarasin & Westlund</u>	4/19/2011	D	
X	<u>Management of Sleep Disorders, Dr. Peterson, Eastern Iowa Sleep Clinic</u>	3/10/2011	D	
X	<u>Pediatric Dental Review, Drs. Kanellis & Maubry</u>	1/14/2011	D	<i>Kirkwood</i>
X	<u>Tom King, Risk Management</u>	11/4/2010	D	
X	<u>Liz Hoskins, Waypoint Services</u>	9/21/2010	D	
	<u>J J Hewing, Implant Training</u>	4/8/2010	D	

- [How I do delete events?](#)
- [How do I add a new Event?](#)
- [How do I edit an existing Event?](#)
- [How do I add or modify an Event category?](#)
- [How do I configure Registration emails?](#)
- [What do the attribute images mean?](#)

CATEGORIES
Use the links below to add, modify and delete Categories.

- All Day Meeting (4) [\(edit\)](#)
- Business Meeting (20) [\(edit\)](#)
- Family Meeting (2) [\(edit\)](#)
- Spouses Welcome (5) [\(edit\)](#)

Add Category

EVENTS LOG

DSARASIN Created "Custom Abutments for Dental Implants by Mike Glesseman" at 1/23/2012 3:15:00 PM

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: _____

Address: 835 3rd Ave SE CSAA RMTS IA Phone: 365-8441

Signature: _____ Date: 8/28/12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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1. Official Name of Sponsor Group: metLife

Contact Person: Marianne Mitchell Phone: 908 253 1793 Fax: 908 253 2480

Address: metLife
501 U.S. Hwy 22, Bridgewater, NJ 08807 E-mail: mmitchell4@metlife.com

2. Name of Current Officers, Title, Address, Phone:

Susan Baker, Director, address same as above, 203-966-4880

Dr. Dave Guarrera, Vice President, address same as above, 908-253-2020

Dr. James Kennedy, chairman, address same as above, # 860-673-9659
metLife Dental Advisory Council

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Marianne Mitchell Phone: 908 253 1793 Fax: 908 253 2480.

Full Address: metLife, 501 U.S. Hwy 22, Bridgewater NJ 08807

Internet Address: www.metdental.com E-mail: mmitchell4@metlife.com

4. How many courses, meetings or programs did your organization sponsor last year? 63

5. How many courses, meetings or programs do you anticipate sponsoring this year? 63

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

MetLife Self-Study Courses 2010 - 2012 (Present)

	Quality Resource Guide	Instructor/Author	Credit Hours
1	A Guide To Contemporary Endodontic Technology 2nd Edition	Ashraf Fouad, DDS MS – University of Maryland	1.50
2	Adolescent Oral Health: Perspectives for Dental Practitioners 2nd Edition	Deborah Studen-Pavlovich, DMD and Dennis N. Ranalli, DDS MDS – University of Pittsburgh	1.50
3	Assessing Orofacial Pain 2nd Edition	Edward F. Wright, DDS MS – University of Texas Health Science Center at San Antonio	1.00
4	Assessing Risk for Chronic Periodontitis in Adults 3rd Edition	Ray C. Williams, DMD – Stony Brook University Medical Center	1.50
5	Bisphosphonate-Related Jaw Necrosis Part 1 2nd Edition	James J. Sciubba, DMD PhD – Johns Hopkins School of Medicine	1.50
6	Bisphosphonate-Related Jaw Necrosis Part 2 2nd Edition	James J. Sciubba, DMD PhD – Johns Hopkins School of Medicine	1.50
7	Blood Pressure Monitoring in the Dental Setting 3rd Edition	Michael Glick, DMD - University at Buffalo SUNY and Vidya Sankar - The University of Texas health Science Center at San Antonio	1.00
8	Cardiovascular Conditions Encountered in Dental Practice 2nd Edition	Frank C. Nichols, DDS PhD – University of Connecticut	1.50
9	Clinical Considerations for Cone Beam Imaging in Dentistry	William C. Scarfe BDS, FRACDS, MS and Allan G. Farman BDS, PhD, DSc – University of Louisville	1.00
10	Clinical Decision-Making for Caries Management in Children 3rd Edition	Norman Tinanoff, DDS – University of Maryland	1.50
11	Cosmetic Dentistry 2nd Edition	Erica Teixeira, DDS MS PhD – The University of Texas Health Science Center at San Antonio	1.00
12	Dental Adhesives 2nd Edition	Jorge Perdigão, DMD MS PhD – University of Minnesota	1.00
15	Dental Record Keeping	Michael A. Huber, DDS - University of Texas Health Science Center at San Antonio	1.00
14	Dentistry and Biofilms 2nd Edition	Robert Wirthlin Jr, DDS MS – University of California San Francisco	1.50
15	Digital Radiography 3rd Edition	André Mol, DDS MS PhD Dipl ABOMR – University of North Carolina - Chapel Hill	1.00
16	Drug Interactions: A Guide for Dentistry 3rd Edition	Sebastian G. Ciancio, DDS – University of Buffalo	1.50
17	Electronic Dental Record	Titus Schleyer, DMD PhD – University of Pittsburgh	1.00
18	Endodontic Failures and Their Management 3rd Edition	Larz S.W. Spångberg, DDS PhD – University of Connecticut	1.50
19	Evaluation and Treatment of TMD Patients 2nd Edition	Edward F. Wright, DDS MS – University of Texas Health Science Center at San Antonio	1.00
20	Geriatric Dentistry: A Total Patient Approach	Tam T. Van, DDS – University of Texas Health Science Center at San Antonio	1.00
21	Going Green in the Dental Practice	Diane C. Shugars, DDS MPH PhD – University of North Carolina	1.00
22	Impact of Inflammatory Periodontal Disease on Systemic Health 2nd Edition	Brian L. Mealey, DDS MS – University of Texas Health Science Center at San Antonio	1.50

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	Quality Resource Guide	Instructor/Author	Credit Hours
23	Implant Placement by the General Dentist	J. Bruce Bavitz DMD – University of Nebraska Medical Center, College of Dentistry	1.00
25	Infection Control and OSHA Update - Part 1	John A. Molinari, PhD – University of Detroit Mercy	1.50
26	Infection Control and OSHA Update - Part 2	John A. Molinari, PhD – University of Detroit Mercy	1.50
27	Informed Consent 4th Edition	Ronald E. Geistfeld, DDS – University of Minnesota	1.00
28	Intraoral Bitewing Radiographic Technique 4th Edition	Sally M. Mauriello, RDH BS EdD and Dan Shugars, DDS PhD MPH – University of North Carolina - Chapel Hill	1.00
29	Introduction to Dental Implant Therapy 2nd Edition	Thomas Oates, Jr. DMD PhD - University of Texas Health Science Center at San Antonio	1.00
30	Lasers in Dentistry 2nd Edition	Donald J. Coluzzi, DDS FACD – University of California San Francisco	1.00
31	Local Anesthetics 3rd Edition	Clarence Trummel, DDS PhD – University of Connecticut	1.50
32	Local Delivery of Agents to Treat Periodontal Diseases	Sebastian G. Ciancio, DDS – University at Buffalo School of Dental Medicine	1.50
33	Making Pediatric Dentistry Part of General Practice 3rd Edition	Norman Tinanoff, DDS – University of Maryland	1.00
34	Management of Malocclusion and Skeletal Problems 2nd Edition	Mitchell Lipp, DDS and – New York University College of Dentistry	1.00
35	Management of Patients with Common Medical Conditions 2nd Edition	Frank C. Nichols, DDS PhD – University of Connecticut	1.50
36	Managing Complications During Root Canal Procedures	James L. Gutmann, DDS – Baylor College of Dentistry	1.50
37	Managing the Patient with a Worn Dentition	N. Blaine Cook, DDS MSD – University of Indiana and Paul Hansen, DDS – University of Nebraska	1.50
38	Medical Emergencies: Preparation and Management 2nd Edition	Stanley F. Malamed, DDS – University of Southern California	1.00
39	Medical Health History in Dental Practice 3rd Edition	Peter L. Jacobsen, PhD DDS – University of the Pacific	1.50
40	Non-Surgical Periodontal Treatment 2nd Edition	Thomas Oates, DMD PhD – University of Texas Health Science Center at San Antonio	1.50
41	Oral and Inhalation Minimal Sedation by the General Dentist	Joel Weaver, DDS PhD – Ohio State University	1.00
42	Oral Ulcerative and Vesiculobullous Diseases - Part 1 3rd Edition	James J. Sciubba, DMD PhD – Johns Hopkins School of Medicine	1.00
43	Oral Ulcerative and Vesiculobullous Diseases - Part 2 3rd Edition	James J. Sciubba, DMD PhD – Johns Hopkins School of Medicine	1.50
44	Pain Control in Dentistry 3rd Edition	Clarence Trummel, DMD PhD – University of Connecticut	1.50
45	Performance of an Oral and Head and Neck Examination 4th Edition	James J. Sciubba, DMD PhD – Johns Hopkins School of Medicine	1.00

MetLife Self-Study Courses 2010 - 2012 (Present)

	Quality Resource Guide	Instructor/Author	Credit Hours
46	Performing Atraumatic Surgical Extractions in Dental Practice	Karl R. Koerner, DDS MS – General Dentist and Author	1.00
47	Periodontal Osseous Surgery	Thomas Wilson Jr. DDS – Board Certified periodontist with a private practice in Dallas, TX	1.00
48	Periodontal Regeneration	Mark A. Reynolds, DDS PhD and Mary E. Aichelmann-Reidy, DDS – University of Maryland Dental School	1.50
49	Porcelain Veneers 2nd Edition	Thomas D. Larson, DDS MSD – University of Minnesota	1.00
50	Posterior Composites 3rd Edition	André V. Ritter, DDS MS – University of North Carolina - Chapel Hill	2.00
51	Radiographic Quality Assurance for Film Imaging Systems 4th Edition	Sally M. Mauriello, RDH BS EdD and Dan Shugars, DDS PhD MPH – University of North Carolina - Chapel Hill	1.00
52	Restoration of the Single Tooth Dental Implant 2nd Edition	Thomas J. McGarry – Private Practice, Oklahoma City, Oklahoma	1.50
53	Risk-based Management of Dental Caries in Adults 3rd Edition	James Bader, DDS MPH and Dan Shugars, DDS PhD MPH – University of North Carolina Chapel Hill	1.50
54	The Decision to Extract a Tooth and Place an Implant	David R. Cagna, DMD MS – University of Tennessee, College of Dentistry	1.00
55	Tobacco Cessation in the Dental Office 2nd Edition	Brian C. Muzyka, DMD MS MBA – East Carolina University	1.00
56	Tooth Root Resorption 2nd Edition	Karl Keiser, DDS MS – University of Texas Health Science Center, San Antonio	1.00
57	Transitioning from Paper to Electronic Records: A Process	Titus Schleyer, DMD PhD and Thankam P. Thyvalikakath, DMD MDS MS– University of Pittsburgh	1.00
58	Traumatic Dislocation of Teeth 3rd Edition	Larz S.W. Spångberg, DDS PhD – University of Connecticut	1.50
59	Traumatic Injuries and Tooth Fractures 3rd Edition	Larz S.W. Spångberg, DDS PhD – University of Connecticut	1.50
60	Treatment Planning 2nd Edition	Clarence Trummel, DMD PhD – University of Connecticut	1.00
61	Using Technology to Aid in Early Detection and Diagnosis of Caries Lesions	Bennett T. Amaechi, BDS MSc PhD - University of Texas Health Science Center at San Antonio	1.50
62	Women's Oral Health Concerns 3rd Edition	Deborah Studen-Pavlovich, DMD and Dennis N. Ranalli, DDS MDS – University of Pittsburgh	2.00
63	Xerostomia Revisited 2nd Edition	James Guggenheimer, DDS – University of Pittsburgh	1.00

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SECOND EDITION

Technology

Educational Objectives

Following this unit of instruction, the practitioner should be able to:

1. Understand recent advances in contemporary concepts and technologies used in endodontic practice.
2. Understand recent objective evaluations of these technologies.
3. Understand outcome studies in which the effectiveness of these technologies has been evaluated.
4. Objectively evaluate common technologies used in today's endodontic practice.

Introduction

In the last decade there have been significant technological advances in the practice of endodontics. Dentists are now able to perform endodontic treatment more effectively and efficiently, while the patients are more comfortable. These technological advances allow the dentist to achieve the basic objectives of endodontic therapy in less time and with more precision. This guide will outline a number of recent conceptual and technological advances, stating the basic ideas and procedures involved, and describing the results of outcomes assessments wherever these are available. The technologies that will be reviewed include: Diagnostic instruments, digital radiography (including cone beam computed tomography), effective local anesthesia, magnification and imaging, electronic apex locators, rotary instrumentation and canal disinfection, and endodontic filling or obturation. This guide is not necessarily intended to recommend a particular product or technology, rather it describes the rationale for making a change in the dentist's practice, and the principles involved in making a selection among available technologies.

Endodontic Diagnosis and Prognosis

It is clearly evident, that in any health care discipline, an accurate diagnosis based on the historical data, clinical examination and clinical testing is essential prior to initiation of treatment. In endodontics this fact is not only true but it is becoming even more important in contemporary practice due to many reasons. Patients today live longer as the advances in medicine have allowed many medical diseases to be managed more effectively. Thus many dental patients are older and present in the dental office with significant medical conditions that can influence the presentation or prognosis of disease, and the type of treatment most appropriate for them. Patients also have much better access to dental care, and therefore, have on average a more extensive and involved dental history that may complicate the diagnosis and the treatment. Patients are much better educated about their rights as patients, and about selecting the most appropriate treatment for themselves, based on the best available evidence and their own values and priorities. Patients expect the dentist to present them with treatment alternatives and with specific outcome expectations, so that they are able to make educated decisions. Finally, patients are more interested in improving their quality of life, including an interest in painless dental procedures and preservation of natural dentition whenever possible, while keeping their out of pocket expenses to a reasonable minimum.

In endodontics, it is essential that the dentist be able to establish an accurate pulpal and periapical diagnosis for the tooth or teeth to be treated. This is important in order to identify the correct source of a patient's complaint, to render effective treatment including emergency treatment if necessary, to identify non-endodontic pathosis that may mimic endodontic disease in order to make an appropriate and timely referral to other health care providers and avoid medico-legal problems.

Author Acknowledgements

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Dr. Fouad has no relevant financial relationships to disclose.

The following commentary highlights fundamental and commonly accepted practices on the subject matter. The information is intended as a general overview and is for educational purposes only. This information does not constitute legal advice, which can only be provided by an attorney.

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Originally published July 2006. Updated and revised October 2010. Expiration date: October 2013. The content of this Guide is subject to change as new scientific information becomes available.

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In addition, it is now well established that the preoperative diagnosis of endodontic pathosis significantly influences the prognosis of treatment. Studies of endodontic treatment outcomes have shown that the prognosis of cases with vital pulp with no infection is generally over 90%, however, cases with pulp necrosis with periapical lesions (established infection) and persistent disease (after previous endodontic treatment) generally have a prognosis of 74-85%.^{1,2} These studies documented the long-term radiographic healing or lack of disease related to endodontically-treated teeth regardless of clinical signs and symptoms. In these and several other longitudinal studies examining the biological healing of periapical tissues, the treatment was done under controlled conditions, with meticulous attention devoted to technique, asepsis and follow-up of patients. On the other hand, survival of endodontically-treated teeth in the mouth for periods of 4-8 years, regardless of radiographic findings, is determined to be 94-97%.^{3,4} These are two distinctly different measures of endodontic outcomes: complete radiographic and clinical resolution of disease vs. survival of teeth that may be functional but not completely healed. It is important to keep these distinct measures of outcomes in mind when discussing options of treatment with the patient.

Furthermore, the question of the prognosis of endodontic treatment versus implant therapy frequently arises during these interactions with patients. Recent systematic reviews have shown that there are no differences in outcomes between the restored endodontically-treated tooth and a dental implant.^{5,6} Moreover, several studies in which the outcomes of both procedures were documented noted that implants have on average a higher level of maintenance than endodontically-treated teeth.⁷⁻⁹ Finally, despite the publication of some case reports to the contrary, recent population studies have not documented a negative effect of endodontic pathosis on neighboring implants. It is important to keep these facts in mind when presenting both treatment modalities to the patient.

As is noted before, pulpal diagnosis is very important as it provides an important consideration in discussing the prognosis with the patients, and in the degree to which the root canal system needs to be disinfected prior to filling (see root canal disinfection below). Sensitivity tests such as thermal and electrical tests are still the standard of care in determining pulp vitality. In particular, the use of

a cold test, like Endo Ice or carbon dioxide snow, together with an electric pulp tester in difficult cases should render an accurate assessment. Regular ice or ethyl chloride should not be used, as they are not sufficiently cold to render a response in many cases. Heat testing is used in cases that present with sensitivity to heat. Hot gutta percha, a rubber wheel or isolation with rubber dam and applying hot water to the tooth in question are appropriate for this test. Studies have shown that cold testing (such as CO₂ snow or Endo Ice) is more reliable in most patients, particularly in children, in teeth with crowns, particularly when using a large applicator surface area.¹⁰ However, in patients older than 50, cold testing has a higher degree of false negative responses than EPT, and so the latter is more reliable.¹¹ Recent findings show that combined electric and thermal pulp testing is able to accurately diagnose 97% of vital pulps and 90% of necrotic pulps, as measured against a bleeding pulp upon access preparation.¹² Other pulp testing methods that assess vitality rather than sensitivity, such as laser Doppler flowmetry and pulse oximetry, are still in development phases.

Digital Imaging and Magnification

Over the last decade, a number of digital radiography and photography systems have become available for the dental practitioner. In endodontics, typical intraoral cameras are not usually able to record intracoronal or intracanal detail with sufficient precision. Therefore, still or video digital cameras are usually attached to operating microscopes using a beam splitter device. These technologies allow effective documentation of procedures and enhance patient education about the procedures being performed.

Digital Radiography

Studies have not shown clinically significant differences between the accuracy of charged couple device (CCD) and complimentary metal oxide semiconductor (CMOS) sensors, or between solid-state sensors, photo-stimulated phosphor (PSP) sensors and film in detecting bony lesions, or discerning the tip of a small endodontic instrument. Dentists generally prefer solid-state sensors because they provide almost instantaneous acquisition of radiograph during endodontic treatment. Other parameters that should be taken into consideration when selecting among the various digital radiography systems, including:

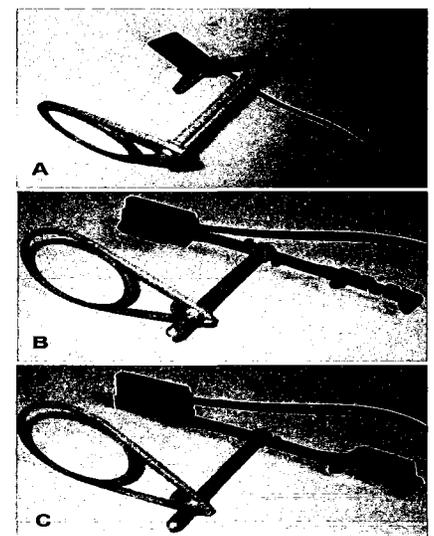
1. Sensor size

Most available sensors conform to an active surface area equivalent to film size 0, 1 or 2. Some sensors, however, have a larger area than the active surface. Clearly, this presents a problem in that the added size is not clinically usable. However, the main problem with CCD/CMOS sensors pertains to sensor thickness. These sensors are typically 3-5 millimeters thick, which is much thicker than traditional film. In endodontics, this presents a challenge when the dentist uses these sensors for working radiographs, with the dental dam is in place. Since the dental dam must be used in endodontic treatment, thinner sensors are needed to address this problem. Occasionally, patients cannot tolerate the thick sensors with the dental dam. In these cases, the dentist could resort to using a size 1 sensor, a wireless CMOS sensor, a thin PSP sensor, or film.

2. Durability

Wired sensors are subjected to constant manipulation, which adds strain to the connection between the cord and the sensor. Sensors are typically placed in positioning devices with infection control barriers, which may exert significant stress on the cord attachment (Figure 1). Other thin holders (which may be autoclavable or disposable)

FIGURE 1



A sensor holder and positioning device (ClikRay, Clik-Tech Inc., Buffalo Grove, IL) that allows (A) a projection for an anterior tooth, (B) a projection for a bitewing (or periapical) radiograph and (C) a working radiograph for an endodontic procedure. A plastic barrier fits over the sensor for infection control. Please note that the bite tab in (B) is used for a regular precision image, while the other side of the holding arm, as shown in (C), can be used with the dental dam in place.

are available for the use with a hemostat to position the sensor in the appropriate location for endodontic working radiographs, as holding the sensor directly by a hemostat will damage it.

3. Support and maintenance plans

Because of the constant upgrades in software interface and the durability problems of most sensors, it is essential that dentists have an adequate maintenance and support plan with the vendor. This assures constant, reliable operation, and minimizes down time and long-term cost.

Advantages of Direct Digital Radiography Systems in Endodontics:

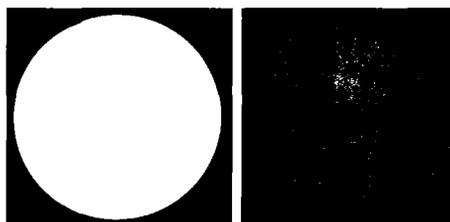
- Reduce radiographic exposure of the patient compared to film
- Increase efficiency of the operator, particularly in obtaining working radiographs
- Reduce film processing artifacts
- Allow image enhancement, i.e. changing brightness, contrast, and other enhancement parameters to reveal unclear detail (Figure 2)
- Improve image archival storage and retrieval
- Improve communication between dentists and endodontists through facilitation of image transfer
- Allow the integration of the image databases with practice management and electronic patient record systems

Cone Beam Computed Tomography (CBCT)

Recently, there has been a growing interest in the incorporation of CBCT in Endodontics.¹³⁻¹⁵ This imaging modality is particularly useful for cases that have complex root or root canal anatomy, suspected perforations or vertical root fractures, or to plan root end surgery in cases where the surgery may affect important neighboring structures. However, an earlier claim that CBCT could differentiate between periapical granulomas and cysts could not be substantiated in a more recent investigation.¹⁶

Clearly, the practitioner needs to understand the advantages and limitations of these technologies. Selecting the right system is a decision that should be made after adequate examination of the available products, exploring the interface with office practice management software, and understanding of the support and maintenance

FIGURE 2



A digital radiographic image of a coin before (left) and after (right) image enhancement. The right image is showing image detail that could not be seen on the original image.

options provided. The incorporation of digital imaging into the dental office and within endodontic operations is advantageous to the dentist. However, it is essential to recognize that it involves being constantly aware of changes in the technology and knowledgeable in the best mechanisms of troubleshooting problems that may arise.

Microscopes and Endoscopes in Endodontic Treatment

In the last decade, the use of microscopes has become very popular among endodontists, and is becoming common among general dentists as well. Surgical microscopes commonly used in endodontic practices generally offer magnification of about 7-20 fold or even higher. The use of microscopes has allowed a more detailed analysis of endodontic access preparations, identification of calcified canals, view of gross contents of root canals, have aided in the detection of cracks and fractures, and have facilitated surgical endodontics. For example, it is now common following access preparations to use an ultrasonic tip under the microscope to create a trough lingual to the mesiobuccal canals of maxillary molars to search for the MB2 or mesiolingual canals, or to create a similar trough between the two mesial canals of mandibular molars to search for a third mesial canal. The microscope provides sufficient illumination and magnification, and has been shown to assist in detecting additional canals.¹⁷

Some of the higher end microscopes offer unique technological advances. A beam splitter on the microscope connects to a still or video camera for documentation of procedures, and for patient education. Most generic brands of cameras have adapters to fit on microscopes. Attachments are also available that fix the eyepiece position, while

allowing the objective lenses to be tilted depending on the patient's position and the site in the mouth. This ensures that the dentist does not change his/her position or posture but is able to adjust the field of view as needed. Dual eyepiece attachments are also available to allow the assistant to have a view of the operative field. A video camera may be connected to an LCD monitor to offer live demonstrations of procedures, or for the staff to follow the progress of a procedure.

Research data indicates that there is a measurable difference in performance, at least among novice practitioners, when microscopes are used for specific tasks. A group of predoctoral students were trained and asked to perform endodontic access preparations on extracted maxillary molars, with or without a surgical microscope. The group which used the microscope performed significantly better on this exercise, using a predetermined scale of measurement.¹⁸

The use of endoscopes has also become popular in the last few years. Endoscopes have been popular in otolaryngology and other medical specialties for many years. They consist of a fiberoptic light and a small video camera that can be introduced at the site of endodontic surgery or even into the root canal. An endoscope may be positioned on the tissue retractor during the surgery, allowing the surgeon to have good access and visibility of the surgical field. The image appears on a high-resolution monitor that is connected to the endoscope. The difficulty in using endoscopes stems from the fact that the operator has to look at the monitor and not at the patient, which requires some learning. However, studies have shown that endoscopes could provide adequate resolution for magnifying and detecting minute surface details.¹⁹ One limiting factor for the endoscope, when used in surgeries, is difficulty with sterilization. Some endoscopes can be autoclaved, but the lifespan of fibers is greatly reduced.

Electronic Apex Locators

The use of Electronic Apex Locators (EAL) in endodontics is not novel. Earlier models of EAL were developed in the 1960s and 1970s. Most of these instruments were simply ohmmeters that measured the electrical resistance between the tip of an instrument attached to the positive electrode and introduced into the root canal, and a negative electrode touching the gingiva or the

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lip. In the 1990s, the technology was perfected by producing EALs that emitted dual or multiple currents having different electrical frequencies. The impedance of currents with different frequencies is different, and this difference increases when the canal becomes narrower, such as at the apical constriction. Therefore, these newer generation instruments allow the measurement of the maximum constriction in the root canal, regardless of canal content.

Recent evidence suggests that EALs are relatively accurate in determining the working length, compared to radiographs. Both EALs and radiographs, however, have their limitations in being able to determine an accurate working length. Radiographs lack the necessary resolution, and information in the third dimension, that is essential if the canal terminus happens to be on the buccal or lingual surfaces of the root. When using radiographs alone, the dentist has to estimate the length from preoperative radiographs. This estimate is frequently inaccurate because of variation in projection geometry, even if a paralleling technique was utilized. This leads to multiple exposures of the patient, multiple adjustments of the length, and delays in the procedure. One study²⁰ has shown that the use of EALs to determine the estimate of the working length (WL) results in reduced number of radiographic exposures and an increased probability that the estimate is similar to the final WL. More importantly, there was an increased probability that the final root filling level is 0-2 mm short of the radiographic apex (Table 1), which is an acceptable clinical goal.

With all these advantages of EALs, the practitioner frequently wonders why radiographs are necessary for WL determination, i.e. why can we not advocate the use of EALs exclusively for this purpose. The following are some of the limitations of the use of EALs:

- They do not produce accurate measurement if the canal does not have an apical constriction. This is frequently the case in canals with immature apex, or teeth with apical root resorption associated with the presence of a periapical lesion.
- They do not provide any measurement in cases with apical blockage due to calcification, or by previous root canal filling materials.
- They do not provide information on canal anatomy, curvature, internal or external resorption, or the possibility of additional canals within the same root.
- They do not provide a permanent record for the WL determination, that can be used if problems arise after instrumentation or filling.
- They are difficult or impossible to use in cases where the access is through a metallic restoration.
- They require a period of familiarity, and are sensitive to issues of battery power, and intactness of leads, that frequently compromise their usefulness.

Therefore, the optimal use of EALs is in obtaining an accurate estimate of the WL that is followed by radiographic verification and analysis. Frequently, the apex locator indicates a WL that appears to be short of the radiographic apex. In these

cases, radiographic analysis usually shows that the endodontic instrument ends at an eccentric point of the root apex, indicating that the apical foramen is not at the radiographic apex.

There are some EAL models on the market in which an electric motor for rotary instruments is incorporated with an EAL. These include the Tri Auto ZX and the Dentaport (Morita). In addition to the traditional apex locator function on the rotary instrument, these EALs provide auto reverse functions when the tip of the instrument reaches the apical terminus.

For the dentist who is contemplating using electronic apex locators, it is important to seek instruments that have been extensively evaluated in objective research and have been shown to provide predictable results. Combining an apex locator with a rotary instrumentation system is convenient and helpful, but not necessary. Purchasing different systems for both functions provides more flexibility and opportunities for future conversion to different systems, as more data become available.

Rotary Instrumentation

The advent of rotary instrumentation in endodontics began in 1988 when it was shown that the bending and torsional properties of files made of nickel titanium alloy are superior to those made of stainless steel.²¹ Several years passed before the technology to fabricate endodontic instruments from nickel titanium (NiTi) was mastered. In the past decade, a number of different instrumentation systems were introduced on the market. Before discussing these systems, it is essential to outline a few principals for the selection and use of NiTi instrumentation:

1) Assessment of case difficulty

Following diagnosis, the dentist must always assess the difficulty of the case to be treated. It is essential to have an understanding of which cases lend themselves to the use of a particular technique while minimizing the risk of procedural errors. The American Association of Endodontists has published and updated guidelines to help general dentists in determining the difficulty of Endodontic cases. There are two particular aspects of root canal radiographic morphology that are critical with respect to the use of rotary instrumentation. These are the degree of canal calcification, and the degree and location of canal curvature. Canal

TABLE 1

Data from Fouad & Reid 2000, showing the percentage of cases with different root filling radiographic levels, when EALs or radiographs were used to provide an initial estimate of the working length.

		Acceptable (0-2 mm short)	Unacceptable (long or > 2 mm short)
EALS	Teeth	90%	10%
	Canals	93%	7%
Radiographs	Teeth	63%	37%
	Canals	75%	25%

calcification is determined subjectively by the degree to which the root canal system is discernible within the image of the tooth. Canal curvature is described by its angle (radius of curvature) as well as its cervico-apical location within the root. Canal curvatures of more than 25-30 degrees are considered to be severe (Figures 3a, 3b and 4). Canal curvatures that are confined to the apical third of the root are considered to be more difficult

to manage than those that span the entire length of the root, because instrumenting them results in increased stresses on rotary instruments.²²

2) Straight-line access

In order to improve access to the coronal third of the root canal and reduce the overall curvature of the canal in a predictable, biological manner, straight-line access is the first step in canal instrumentation regardless of the system used (Figure 5). This is usually accomplished using either Gates Glidden burs or specific high taper instruments that are provided with some rotary instrumentation systems.

3) Negotiating narrow curved canals

The use of NiTi rotary instruments must be preformed only in canals that are negotiable to the working length. Narrow curved canals should be instrumented first with a hand file of at least size 15-20 to establish a glide path, and assure minimal resistance of the canal to rotary instruments. This minimizes the risk of separation of small rotary instruments. In order to avoid sharp changes in torque in all canal types, electric motors are used with all rotary instrumentation. These provide constant speed and torque and allow the instrument to be more effective with reduced risk of separation.

4) Crown down preparation

In most hand instrumentation techniques, the step-back preparation sequence is utilized. The rationale for this is that stainless steel instruments are very rigid and thus the larger sizes tend to straighten root canals or ledge short of the apex. Because of the increased flexibility of NiTi instruments of lower taper, this is less likely to happen. Thus, root canals are typically tapered in a sequence that begins from the coronal to the apical extent. This sequence may be repeated with higher instrument sizes and instrument tapers to achieve the final canal size.

5) Apical preparation

This is an area that receives little attention from manufactures of most NiTi rotary systems. Most manufactures focus on the shaping of the root canals only, and advocate the high taper with less emphasis on apical preparation sizes. However, biological cleaning of the root canals, particularly in necrotic cases that have bacterial infection, require some degree of apical preparation. A classic series of studies have shown that the mean

FIGURE 5



Radiographic demonstration of the effect of straight line access on reducing the curvature of a canal in a more controlled and desirable manner. Following straight-line access, the canal is more accessible, easier to prepare with hand or rotary instruments and more likely to maintain its shape after preparation.

apical diameter of root canals one millimeter from the apex corresponds to sizes 30 – 40 endodontic instruments.²³⁻²⁵ Therefore, adequate apical preparation to these instrument sizes is necessary to make sure that the canal is adequately engaged and cleaned in an area that is critical because it interfaces with the periapical region.

6) Use of lubricating agents

Throughout the use of rotary instrumentation, the canal must be lubricated by sodium hypochlorite and EDTA-based lubricating agents. These agents reduce torque and enhance the gliding of the instruments to debride canal walls.

7) Use minimal force

The effectiveness of rotary instruments is determined by the ability of these instruments to rotate in a canal with relatively low resistance. If the dentist applies too much force on the instrument, the instrument is likely to encounter too high torsional forces, which lead to instrument separation. In order to balance the interest in effective canal preparation with the risk of instrument binding and separation, most contemporary electric motors employ a torque control mechanism that allows the instrument to stop, and provide a warning signal if the torque encountered exceed a preset level. A good rule of thumb is for the dentist to apply sufficient force on the instrument as is necessary to write with a sharp pencil without breaking the tip of the pencil. Finally, the dentist should remember that the small size instruments fracture at much lower torque than larger instruments for a given taper. One of the main purposes of the crown-down instrumentation technique is to allow the preparation of the canal incrementally in order to reduce the surface area in contact with the instrument at

FIGURE 3a



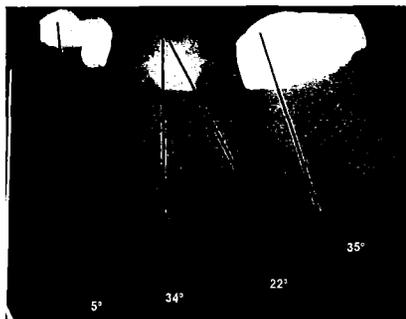
Tooth #7 shows severe apical curvature

FIGURE 3b



Tooth #15 shows a large pulp stone as well as a dilacerated curve on the mesial buccal root.

FIGURE 4



A periapical radiograph showing a case with calcified canals, and the method of determining the degree of canal curvature.

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any one time. Instruments with larger taper are advanced for a short distance within the canal. They are followed by instruments with successively less taper, which penetrate deeper but again engage a small surface area of the canal, until the entire length of the canal is prepared. If an instrument is introduced into the canal that fits the canal size, it is more likely to bind and separate. Finally, instruments should be applied into the canal in 5-10 sweeping motions and then replaced with successive instruments regardless of whether they reached the intended length.

8) Rotary instruments are disposable instruments

Studies have shown that root canal instruments lose their effectiveness after multiple uses. Furthermore, after initial crack formation within the instrument, successive use would cause crack propagation and instrument failure. Therefore, every effort should be exercised to discard the instrument after a single use, particularly if it has been stressed in a narrow canal. Exceptions to this general rule are where the instrument is used with minimal resistance or for instruments like the LightspeedLSX (Discus Dental) where only a very small part of the instrument is touching the canal wall. In these latter cases 3-5 uses of the instruments would be appropriate. If instruments are to be re-used, they should be inspected under magnification to assure that they have not been deformed, and a method should be established for keeping track of how many times an instrument is used.

9) Use with torque control motors

These motors allow the operator to set the maximum torque that would stop the instrument automatically. This is a safety feature that really enhances the ability of the operator to recognize instances when the instrument is binding in the canal, and when further rotation may cause fracture.

Advantages of root canal preparation with NiTi instruments

- Maintain canal shape: Studies have shown that NiTi hand and rotary instrumentation is capable of enlarging root canals while maintaining the original curvature i.e. there is reduced chance of ledging, or apical transportation compared to stainless steel instrumentation.

- Reduce the extrusion of debris apically: While rotating in the root canal, the instruments are designed to bring debris coronally. With hand instrumentation there is apical extrusion of debris, presumably due the pumping action during filing.
- Reduce dentist fatigue: There reduced stress on the operator with rotary instrumentation, particularly in small canals. In general the dentist becomes more efficient when using rotary instrumentation.
- May improve long-term outcomes: There have been some reports comparing endodontic treatment outcomes in cases treated with NiTi and stainless steel instrumentations. Studies that compared hand NiTi, and stainless steel instruments showed that NiTi instruments produced more favorable canal shaping²⁶, and radiographic healing outcomes.²⁷ A recent outcome study has shown that cases treated with NiTi rotary instrumentation have less procedural errors and a better long-term outcome compared with cases treated by hand instrumentation.²⁸

Disadvantages and Relative Contraindications

- File separation: This is perhaps the most serious drawback for the use of rotary instrumentation. Studies have shown that this occurs in about 1.6-3.3% of cases treated.^{29,30}
- Double curves (dilaceration of the root—Figure 3b): Double curves subject the instrument to excessive stresses. The plane of one of the curves may be in the third dimension, not visible on a radiograph. These require angled radiographs in order to appreciate their presence and magnitude.
- Very small, calcified, canals (Figure 4): Generally, these cases should be referred to an endodontic specialist, because they are more difficult to negotiate and treat.
- Canals that join apically or have a sharp apical curvature (Figure 3a): As stated previously, the instrument in these cases is subjected to sudden increases in stresses and can easily fracture.

How to reduce the risk of instrument separation with rotary instruments

- Instrument all canals to a size 20 hand instrument before using rotary instrumentation
- Use the light pressure on the instrument, and a torque control motor
- When the dentist starts to use this technology, he/she should lower the rpm gauge by 50-100 units below the recommended level for the system being used until familiarity and expertise with the system is gained. The exception to this is sharp “non-landed” instruments such as the ProTaper and EndoSequence, which need to be used at the recommended speed to avoid binding.

Common Rotary Instrument Systems

• ProFile (ISO & series 29), and ProFile GT (Tulsa-Dentsply)

These instruments have a radial land. A radial land is a flat edge in the cross section of the instrument that prevents the instruments from binding to canal walls. The Instruments are operated at 250-300 rpm. This instrument works by “grinding” the canal walls.

• Lightspeed/LSX (Discus Dental)

These instruments have an active area that is only at the tip of the instrument. The head of the instrument has radial lands. The long shank of these instruments is a smooth surface that is very flexible and is not active. Because the instruments have a low surface area in contact with the canal, they are typically operated at speeds of up to 2000 rpm. These instruments proceed to the apical portion of the canal without being hindered by coronal canal size. They require preflaring with Gates Glidden burs, and are used in a technique that includes step-back preparation after reaching the master apical rotary (the largest instrument to reach the working length). Therefore, these instruments are very affective for apical preparation of the root canal.

• K3 (Sybron Endo)

These instruments also have radial lands and a variable flute pitch (asymmetric lands) that prevent instrument threading into the canal. The cross-sectional design provides a large

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amount of metal to provide strength. The radial land has a more positive rake angle than other "landed" instruments to provide more effective cutting of dentin. This instrument also works by grinding the canal walls. In general, all the "landed" instruments are considered high torque, while the "non-landed" instruments (see below) are considered low torque.

- **ProTaper (Tulsa-Dentsply)**

These instruments do not have a radial land, but have more or less a triangular cross-section. They also have a variable taper within the same instrument. A series of six instruments (three shaping and three finishing instruments) are provided to complete the root canal preparation. The Instruments are operated at 250-300 rpm.

- **Endo Sequence (Brasseler)**

These instruments do not have radial lands. To prevent instrument binding, they have an alternating contact design that minimizes the surface area of the instrument in contact with the canal wall at any time. The instruments have a triangular cross section and are electrochemically polished to prevent surface irregularities. These surface irregularities may initiate instrument fracture. These instruments require operation at a higher rpm (typically about 500-600) in order to glide smoothly and prevent binding. Because they have less surface area in touch with the dentin they are considered low torque instruments. In vitro testing showed that these instruments may have a higher propensity for fracture,³¹ although the cleaning ability in root canals is not different from Profile or Protaper instruments.³²

- **RaCe (Brasseler)**

These instruments also have a triangular cross section and electrochemical polishing. They also have alternating cutting edges and a safety rounded tip.

- **Pow-R (Moyco/Union Broach)**

The design of these instruments is similar to the Flex-R hand files, with triangular cross section and a rounded tip.

- **ProFile Vortex (Tulsa-Dentsply)**

These newer instruments are available in ISO sizes 15-50, and in .04 and .06 tapers. They are made of a new NiTi alloy configuration called the M-Wire.

- **Twisted Files (Sybron Endo)**

These instruments are manufactured by twisting rather than grinding the nickel titanium wire, and are then subjected to a proprietary heat treatment. These instruments are available in taper .04 (sizes 25, 40 and 50), .06 (sizes 25, 30 and 35) and size 25 at tapers .08, .10 and .12.

Because of the variety of systems available, the dentist is frequently uncertain as to which system he/she should use. Generally speaking, dentists should consider the volume of endodontic therapy in their practice, and whether they are treating moderately difficult cases, such as molars, or only simple cases. For dentists who treat only simple cases with straight large canals, rotary instrumentation will probably not offer them significant advantages. For dentists who perform more demanding cases, they should use systems, which have been evaluated objectively and found to yield reliable results. The dentist should request from manufacturers literature on objective data, which have been published in refereed journals. Specifically, data on the incidence of instrument separation, maintenance of canal shape following instrumentation and effectiveness of apical preparation should be sought. Manufacturers usually emphasize the speed of preparation, and the number of instruments needed for completed preparation; however, from a clinical effectiveness perspective this data is usually not useful. Cost is another important factor. The reduced number of repeated use for these instruments should be factored into the cost calculation. Among the newer instrument systems available, studies have shown that the Twisted File (SybronEndo) has superior cyclic fatigue and flexibility when compared with similar sizes of other systems.³³⁻³⁶

Root Canal Disinfection

As noted before, there are two main diagnostic categories of cases that are treated endodontically: cases with vital (albeit inflamed) pulp, and cases with pulp necrosis and a periapical infection. Because of the differences in prognosis for both types of cases, it is important to use more specific disinfection protocols in cases with infections. It has been shown in several studies that elimination of cultivable bacteria at the time of root filling results in better treatment outcomes.^{37,38} For these reasons, there has been an increasing interest in recent

years in methods of root canal disinfection. Sodium hypochlorite remains the gold standard in root canal irrigation. It is an excellent disinfectant, it dissolves vital and necrotic tissue and it acts as a lubricant during instrumentation. However, in the root canal environment, there are restrictions to delivering enough hypochlorite to disrupt microbial biofilms in all canal anatomical intricacies. Studies have shown that following irrigation with hypochlorite solution; about 40% of root canals remain with viable bacteria. Chlorhexidine, at a concentration of 2.0%, rather than the mouthwash concentration of 0.12%, was shown to be effective against some of the resistant root canal bacteria. While the use of 17% ethylenediaminetetraacetic acid (EDTA) by itself does not eliminate cultivable bacteria, the use of EDTA in alternating irrigations with hypochlorite, is now commonly used to remove the smear layer. The smear layer may harbor bacteria and impede the effects of root canal medicaments on bacteria in dentinal tubules. It is important to note that hypochlorite and chlorhexidine should never be allowed to mix with each other, even in very small amounts, because the mixture results in the formation of a brown precipitate (para-chloroaniline) that may be toxic to the patient.³⁹

Recently, a root canal irrigant has been introduced that contains a mixture of a tetracycline isomer (doxycycline), citric acid and detergent (MTAD Biopure, Tulsa Dentsply). This solution has been shown to kill bacteria in bench top experiments. Outcome studies do not show that this irrigant is beneficial.⁴⁰ Clearly, the use of doxycycline would be contraindicated in patients with allergy to tetracycline.

A common method currently used to reduce root canal bacteria is to place calcium hydroxide paste in the root canal between appointments. A systematic review of the clinical use of calcium hydroxide has shown mixed results on its effectiveness in reducing root canal infection. Calcium hydroxide is slow in its action, and requires 1-3 weeks to be effective. This means that cases with infections should be treated in more than one appointment if the reduction of canal bacteria is the objective. Finally, only 2-3 outcome studies to support the specific use of calcium hydroxide are available, and they are equivocal.⁴¹ However, as noted before, several outcome studies do agree that elimination

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of bacteria results in better treatment outcomes. Thus many practitioners today advocate multiple strategies for the elimination of root canal bacteria, in cases of infections, including the use of calcium hydroxide. If the canal is not to be filled at the same appointment, a medicament such as calcium hydroxide is generally recommended, to prevent bacterial growth in the empty canal between appointments.

Root Canal Filling

There have been a growing number of technologies used for in root canal filling in recent years. The newer technologies involve thermoplasticized gutta percha. In the following section a brief description of the available systems will be provided.

Traditionally, lateral condensation of gutta percha has been the technique taught in most dental schools. Filling of root canals with vertical compaction of heat plasticized gutta percha was also used in a few dental schools, but required a more laborious instrumentation of root canals to ensure a highly tapered preparation. With the advent of rotary instrumentation and the use of instruments with high taper in a crown-down manner, the difficulties of preparing a highly tapered canal while maintaining the original canal shape were reduced. Thus the vertical compaction method became more popular, because it assured good seal when tested with microleakage studies. The introduction of the System B (Sybron Endo), which allows an endodontic plugger to be electrically heated to preset values (usually 200 degrees C), further popularized this technique particularly among endodontists. The System B provides a more controlled heat source that can easily be used to both plasticize the gutta percha when warm, and compact the gutta percha mass when cold. The process is commonly known as continuous wave filling. The method involves selecting a plugger that fits within 4-5 mm of the empty canal, then placing a master cone point to the working length. The heated plugger is driven through the cone to reach its pre-determined position, and then maintained cold under pressure to condense the gutta percha in the apical third of the canal. The plugger is then heated again briefly to disengage it from the mass and withdrawn promptly.

Another heat source device that could provide the same functionality is the Touch 'n Heat (SybronEndo). This device comes with pluggers, as well as spreaders that can be used for warm lateral condensation. When using the System B or the Touch 'n Heat, the dentist can continue to back fill the canal with a device that injects plasticized gutta percha such as the Obtura III System (SybronEndo) or the Calamus unit (Dentsply). The Obtura System has been available since the late 1980s. It involves a high temperature (again about 200 degree C) thermoplasticized gutta percha (GP) that are injected from a gun into the root canal. It still requires sealer to be used; however, it allows the GP to fit better into the canals space.

Other systems are available in which there is a core material coated with gutta percha. An example of this is Thermafil (Dentsply). This system consists of GP on a plastic carrier that is manufactured in different canal sizes. The instrumented canal is first measured using a metal sizing instruments to assess the size of the carrier to use. Next, the suitable carrier is placed in a small oven that is provided with the system, which warms the GP to a temperature that can be molded into the canal space. While these systems offer efficiency and ease of use, they do not provide adequate length control. Furthermore, retreatment of cases with carriers present particular challenges, as the core material is frequently difficult to remove.

A number of other thermoplasticized GP systems are available on the market. The most significant limitation of using heat plasticized gutta percha is the lack of length control. Thus it is quite possible with these systems for the thermoplasticized GP to extrude beyond the root apex causing significant overfills.

It is important to emphasize that the seal in any gutta percha filling is dependant on the adequate application of sealer. Many different types of sealers are available. They vary according to the material and the setting time. While the seal of most available sealers are comparable, it is recommended that the dentist not use sealers that contain paraformaldehyde as they have been shown to be quite irritating to periapical tissues. Eugenol-based materials also produce

some inflammation on the cellular level; however, many dentists use them, as it is believed that without microbial irritants, the inflammation is subclinical in its magnitude. Calcium hydroxide-based sealers are very well tolerated. However, there is no value for calcium hydroxide within a sealer, since after setting the material cannot ionize and raise the pH, which is how calcium hydroxide is effective against microbial irritants.

More recently, resin-based and glass ionomer-based root canal filling materials have been introduced and approved by the FDA, to replace gutta percha and sealer. The main advantage purported for these systems is the bonding of the filling material to the root canal wall, thus hypothetically reducing the potential for microleakage. Resilon/Epiphany (Pentron) is a solid/paste dual cure resin material, RealSeal 1 Bonded Obturator (Sybron Endo) is a polyurethane-based root canal-obturation material and urethane acrylate-based root canal sealer, and Activ GP/Activ GP plus (Brasseler) is a glass ionomer-based material. These materials are designed to mimic all the physical properties of gutta percha and sealer. Because the physical properties resemble gutta percha, all the different technologies available for filling root canals with gutta percha, are also available for Resilon and its analogues. The use of these resins or glass ionomer materials requires removing the smear layer at the conclusion of the preparation to assure bonding to dentin. An irrigant other than hypochlorite must be used for the final irrigation to prevent interference with setting or polymerization. For resins, a primer is applied just before filling using paper points. Preliminary reports have shown that resin-based root filling materials seal the root canal system better than gutta percha and sealer, and may add some strength to the root. On recent, long-term outcome study has shown no differences between resin-based and gutta percha-based obturation.⁴²

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Quality Resource Guide: A Guide To Contemporary Endodontic Technology 2nd Edition

POST TEST:

Internet Users: This page is intended to assist you in fast and accurate testing when completing the "Online Exam." We suggest reviewing the questions and then circling your answers on this page prior to completing the online exam.

(1.5 CE Credit Contact Hour) Please circle the correct answer. 70% equals passing grade.

1. The survival of endodontically-treated teeth in the mouth, 4-8 years after treatment is:
 - a. 94-97%
 - b. 84-87%
 - c. 75-85%
 - d. 65-75%
2. The most challenging aspect of using solid state digital sensors in endodontics is:
 - a. managing the cord connecting it to the computer.
 - b. the small active zone on the sensor.
 - c. the sensor thickness.
 - d. the brittleness of the sensor.
3. In Endodontics, Cone Beam Computed Tomography (CBCT) is particularly useful in the diagnosis of:
 - a. apical granulomas versus apical cysts.
 - b. the ideal termination of the root canal filling material.
 - c. isthmuses between canals.
 - d. vertical root fracture.
4. The following statement is true about the use of Electronic Apex Locators:
 - a. They complement radiographs as means of determining the working length and identifying the root canal anatomy.
 - b. They are inaccurate and of little use in modern endodontics.
 - c. They provide accurate data to the extent that working radiographs are no longer necessary.
 - d. Either radiographs or apex locators should be used, the use of both is redundant
5. Electronic apex locators are inaccurate in the following situation:
 - a. endodontic retreatment
 - b. when apex is immature or highly resorbed
 - c. there is purulence in the canal
 - d. dilacerated canals
6. Straight-line access achieves the following advantages except:
 - a. Initiate the crown-down preparation process for rotary instrumentation.
 - b. Reduce the curvature of the canal in a favorable manner as it is in the controlled coronal aspect of the canal.
 - c. Provide sufficient access to facilitate the treatment of canals of posterior teeth.
 - d. Result in sufficient apical preparation.
7. The following is the most important limitation of NiTi rotary instrumentation:
 - a. file separation
 - b. ledging
 - c. apical transportation
 - d. perforation
8. Recently, a number of rotary instrumentation systems have been introduced that involve the use of twisted wire. The advantage of these systems compared with traditional systems is:
 - a. improved cutting of dentin.
 - b. reduced cyclic fatigues (in bench studies).
 - c. reduced fracture in patient studies.
 - d. reduced extrusion of debris into the periapical region.
9. The best available evidence today has shown that:
 - a. the use of calcium hydroxide results in better long-term outcomes.
 - b. single visit cases have better long-term outcomes compared to multi-visit cases.
 - c. elimination of cultivable bacteria at the time of obturation results in better outcomes.
 - d. persistence of bacteria at the time of obturation has no effect on the long-term outcomes.
10. The application of the following material on its own in the root canal does not result in reduction of cultivable bacteria:
 - a. 17% EDTA
 - b. 2.5% sodium hypochlorite
 - c. 2% Chlorhexidine
 - d. calcium hydroxide medicament

REGISTRATION/CERTIFICATION INFORMATION (Necessary for proper certification)

Name (Last, First, Middle Initial): _____

PLEASE PRINT CLEARLY

Street Address: _____ Suite/Apt. Number _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Date of Birth: _____ Email: _____

State(s) of Licensure: _____ License Number(s): _____

Preferred Dentist Program ID Number: _____ Check Box If Not A PDP Member

AGD Mastership: Yes No

AGD Fellowship: Yes No Date: _____

Please Check One: General Practitioner Specialist Dental Hygienist Other

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OFFICE
USE ONLY

Participant Evaluation: A Guide To Contemporary Endodontic Technology 2nd Edition

Providing dentists with the opportunity for continuing dental education is an essential part of MetLife's commitment to helping dentists improve the oral health of their patients through education. You can help in this effort by providing feedback regarding the continuing education offering you have just completed.

Please respond to the statements below by checking the appropriate box, using the scale on the right.

1) How well did this CE offering meet its stated objectives?

2) How relevant was the course material to your practice?

3) How would you rate the quality of the content?

4) Please rate the effectiveness of the instructor/author.

5) Please rate the written materials and visual aids used.

6) Please rate the administrative arrangements for this course.

7) Would you recommend this offering to a colleague?

8) Did this educational offering meet your expectations? Circle: Yes / No
Why or why not?

9) Please identify future topics that you would like to see:

10) Your comments are important to us and will be considered in planning future educational offerings.

Thank you for your time and feedback.

1=Poor 5=Excellent

1 2 3 4 5

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Bridgewater, NJ 08807

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Midwest Dental

Contact Person: Angele Michlig Phone: 715-926-5050 Fax: 715-318-2252

Address: 680 Hehl Way PO Box 69 E-mail: amichlig@midwest-dental.com
Mondovi WI 54755

2. Name of Current Officers, Title, Address, Phone:

Dr. Jeff Moos, CEO 680 Hehlway Mondovi WI 54755 7159265050

Tammy Filipiak, Director of Clinical Development Wausau WI 54401
605 24th Ave S 715-456-2194

Angele Michlig Manager, Clinical Programs Mondovi WI 54755 7159265050
680 Hehl Way

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Angele Michlig Phone: 715926-5050 Fax: 715-318-2252

Full Address: 680 Hehl Way PO Box 69 Mondovi WI 54755

Internet Address: www.midwest-dental.com E-mail: amichlig@midwest-dental.com

4. How many courses, meetings or programs did your organization sponsor last year? 5

5. How many courses, meetings or programs do you anticipate sponsoring this year? 4

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#3003166 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
	Clinical Technique to Create	Dr. Robert Lowe		
1/22/11	World Class Aesthetic/Restorative Dental Practice Exam, Diagnosis & Treatment of PMS Pt.	Dr. James	Madison, WI	7
4/21/11	Understanding & Treating Occlusal Problems	McLee	Madison WI	7
10/29/11	Periodontics: Current thoughts in Dx and Tx using Surgical & Non-Surgical methods	Dr. James Winkler	Madison WI	7
10/29/11	Partners in Periodontics	Sherry	Madison	3
10/29/11	Hand Instruments & Ultrasonic Scalers Expanded Function Training	Buens	Madison	3
12/19-12/10/11	for Dental Assistants	Linda Aitschgen Dr. Stanley Malamed	Waterloo, IA	9
1/28/12	Emergency Medicine: Back to Basics		Madison, WI	6
3/3/12	Everything is Marketing	Fred Joyal	Milwaukee WI	6

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Angela Michlig

Address: 680 Hehl Way Mordon WI 54755 Phone: 715 926-5050

Angela Michlig
Signature

8/21/12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Midwest Geriatric Speech Research + Study Group

Contact Person: Steve Rabedaux Phone: 641 792-2780 Fax: 641-791-9797

Address: 1919 15th Ave E Newton, IA 50208 E-mail: drwab@pcpartners.net

2. Name of Current Officers, Title, Address, Phone:

Gary Smith President: 2612 W. Broadway Council Bluffs, IA 51501 712-323-7615

Steve Rabedaux CE officer 1919 15th Ave E. Newton, IA 50208 641-792-2780

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Steve Rabedaux Phone: 641 792-2780 Fax: 641-791 9797

Full Address: 1919 15th Ave E Newton, IA 50208

Internet Address: None E-mail: drwab@pcpartners.net

4. How many courses, meetings or programs did your organization sponsor last year? 1

5. How many courses, meetings or programs do you anticipate sponsoring this year? 1

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#6038

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

<u>Date</u>	<u>Course Title</u>	<u>Instructor</u>	<u>Location</u>	<u># Hours</u>
11.3+4.2011	Occlusion 101	Kirk Nelson	West DM	12
11.4+5-2010	Oral Appliances for Sleep Disorders	Daniel Cowter	West DM	12

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Steven G Rabedearny

Address: 6919 1st Ave E Phone: 641-792-2750

St Rabedearny
Signature

6.22.12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

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All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Northeast Iowa Community College

Contact Person: Dena Stolze Phone: 563.557.8271 x 234 Fax: 563.557.0319

Address: 680 Main Street, Suite 100, Dubuque, IA 52001 E-mail: stolzed@nicc.edu

2. Name of Current Officers, Title; Address, Phone:

Dawn Klostermann, CDA, RDA, EFDA, 17240 Holy Cross Rd, Holy Cross, IA 52053 ^{563.870.2067}

Gloria Klueoner, CDA, BLS, RDA, EFDA, 201 Anderson St, Manchester, IA 52057 ^{563.927.5629}

Tina Adams, CDA, RDA, BA, EFDA, 2432 Birchwood, Dubuque, IA 52002 ^{563.556.6007}

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Dena Stolze Phone: 563.557-8271 ext. 234 Fax: 563.557.0319

Full Address: 680 Main Street, Ste. 100, Dubuque, IA 52001-6815

Internet Address: www.nicc.edu E-mail: stolzed@nicc.edu

4. How many courses, meetings or programs did your organization sponsor last year? 40

5. How many courses, meetings or programs do you anticipate sponsoring this year? 35-40

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: Expanded functions

#1136750 \$100

Criteria for report: Class Information							
Class Start Date Range On or After: 06/01/2010							
Class Start Date Range On or Before: 06/01/2012							
Class Type: Classes, Online Classes, Contract Training Classes, Certificate Classes, Course Series Classes							
Category: Health and Safety							
Subcategory: Dental / Allied Health							
Schedule Type: Scheduled, Open-Ended							
Class Start Date	Class ID	Class Name	Instructor#1 First Name	Instructor#1 Last Name	Location	City	NICC Clock Hours
5/4/2011	520	Dental Radiography Update	Dawn	Klostermann	Keystone AEA, Elkader	Elkader	2
1/1/2011	1700	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	240
2/16/2011	1872	Limited Practice Radiography	Staff	To Be Announced	Archdiocese of Dubuque	Dubuque	60
1/24/2011	1941	Dental Assistant Radiography Test #1	Dena	Stolze	N/A	N/A	1
1/24/2011	1942	Dental Assistant Radiography Test #2	Dena	Stolze	N/A	N/A	1
1/4/2011	1967	Juris Prudence Testing for Dentists	Staff	To Be Announced	N/A	N/A	1
5/17/2011	2034	Dental Radiography Update	Dawn	Klostermann	Town Clock Center for Professional Development	Dubuque	2
3/3/2011	2177	Dental Assistant Radiography Test Calmar	Test	Proctor	N/A	N/A	1
5/19/2011	2178	Dental Infection Control Update for Dental Assistants	Gloria	Kluesner	Town Clock Center for Professional Development	Dubuque	2
3/10/2011	2246	Dental Assistant Infection Control Test Calmar	Test	Proctor	N/A	N/A	1
3/10/2011	2247	Dental Assistant Jurisprudence Test Calmar	Test	Proctor	N/A	N/A	1
3/8/2011	2253	Monitoring of Nitrous Oxide (Section 2) - Independent Study	Gloria	Kluesner	N/A	N/A	8
4/1/2011	2802	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	240
4/1/2011	2936	Juris Prudence Testing for Dentists	Staff	To Be Announced	N/A	N/A	1
4/8/2011	3010	Impressions - Dental Expanded Function (Section 3) - Independent Study	Tina	Adams	N/A	N/A	9
4/27/2011	3452	Dental Assistant Infection Control Test #1: DBQ	Dena	Stolze	N/A	N/A	1
4/27/2011	3522	Juris Prudence Testing for Dentists Calmar	Staff	To Be Announced	N/A	N/A	1
5/5/2011	3927	Dental Assistant Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
5/12/2011	3928	Infection Control Exam for Denal Assistants	Staff	To Be Announced	N/A	N/A	1
6/21/2011	3998	Dental Radiography Update for Dental Assistants	Dawn	Klostermann	Town Clock Center for Professional Development	Dubuque	2
6/23/2011	4070	Dental Infection Control Update for Dental Assistants	Gloria	Kluesner	Town Clock Center for Professional Development	Dubuque	2
6/24/2011	5907	Dental Assisting Jurisprudence Exam-Calmar	Test	Proctor	N/A	N/A	1
6/21/2011	5908	Dental Hygiene Jurisprudence Exam-Calmar	Test	Proctor	N/A	N/A	1
6/17/2011	5911	Radiography Exam for Dental Assistants	Staff	To Be Announced	N/A	N/A	1
6/17/2011	5913	Infection Control Exam for Dental Assistants	Staff	To Be Announced	N/A	N/A	1
6/17/2011	6073	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	240
8/2/2011	6274	Infection Control Exam for Dental Assistants:#2	Staff	To Be Announced	N/A	N/A	1
8/2/2011	6275	Infection Control Exam for Dental Assistants:#3	Staff	To Be Announced	N/A	N/A	1
9/27/2011	6744	Dental Assistant Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
9/6/2011	6807	Dental Hygienist Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
10/14/2011	6817	District Conference for Dental Assistants	Thomas	King	NICC Peosta Campus	Peosta	5.5

10/1/2011	7324	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	
9/23/2011	7510	Dentist Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
10/21/2011	8258	Dental Hygienist Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
11/16/2011	8995	Dental Assistant Infection Control Test - Calmar	Test	Proctor	N/A	N/A	1
11/18/2011	8996	Dental Assistant Infection Control Test - Calmar	Test	Proctor	N/A	N/A	1
11/18/2011	8997	Dental Assistant Radiography Test - Calmar	Test	Proctor	N/A	N/A	1
11/18/2011	8998	Dental Assistant Jurisprudence Test - Calmar	Test	Proctor	N/A	N/A	1
12/5/2011	9554	Dental Assistant Juris Prudence Test #1	Staff	To Be Announced	N/A	N/A	1
12/14/2011	9696	Dental Assistant Jurisprudence Test - Calmar	Test	Proctor	N/A	N/A	1
1/1/2012	10447	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	
4/1/2012	13146	Clinical Dental Assistant	Gatlin	Facilitator	N/A	N/A	
4/2/2012	13275	Dental Assistant Expanded Functions: Liners	Tina	Adams	N/A	N/A	6
4/17/2012	13306	Monitoring of Nitrous Oxide (Section 2)	Gloria	Kluesner	N/A	N/A	8

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1. Official Name of Sponsor Group: Oral Arts Dental Laboratory

Contact Person: Steve Draby Phone: 563-556-1911 Fax: 563-556-9091

Address: 6701 Chauvenette Rd. Dubuque, IA 52002 E-mail: steve@oralartslab.com

2. Name of Current Officers, Title, Address, Phone:

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: _____ Phone: _____ Fax: _____

Full Address: SEE ABOVE

Internet Address: _____ E-mail: _____

4. How many courses, meetings or programs did your organization sponsor last year? 8

5. How many courses, meetings or programs do you anticipate sponsoring this year? 10-12

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#5501851 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
11/1/11	Controlling Parafunctional Forces	Scott McMullen	Waterloo	2
11/2/11	Controlling Parafunctional Forces	Scott McMullen	Mason City	2
11/4/11	When Bad Implants Happen to Good People	De Laey George	Davenport	5
3/13/12	Oral Appliance Therapy for Snoring and Sleep Apnea	Scott McMullen	Davenport	2
3/23/12	How to Change Your Patients Lives and grow your practice through Treatment of Snoring and Sleep Apnea	Dr. J. Packer	Dubuque	6
4/20/12	Cysts & Tumors	D. J. Hellstein	Davenport	4
4/12/12	Controlling Parafunctional Forces	L. Kearney	Decorah	1
3/27/12	Controlling Parafunctional Forces	L. Kearney	Manchester	1
2/32/12	Controlling Parafunctional Forces	L. Kearney	Waukon	1

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: _____

Address: _____ Phone: _____

Signature

Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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 ADVISORY COMMITTEE ON CONTINUING EDUCATION
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8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
9/24/10			Dubuque	6
10/25/10	Controlling Parafunctional Forces	Scott McMillen	Dubuque	2
10/26/10		Scott McMillen	-----	-----
11/2/10		Dr. Fleury	Des Moines	6
12/3/10	Update on Operative Dentistry	Dr. M. Vargas	Davenport	4
3/5/11	Oral Pathology	Dr. T. Williams for S. Vincent	DBQ	6
4/4/11	Esthetic Restoration Selection and Sleep Apnea	Scott McMillen	Des Moines	2
5/20/11	Endo Update	Dr. M. Gomez Dr. R. Walters.	DAVENPORT	4
9/27/11	Advanced Techniques: Implants & Impressions	Matt Meyer Carric Woods	DBQ	2
10/21/11	Everything I know about Endo I learned after school	Dr. J. Bachall	DBQ	6

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: _____

Address: _____ Phone: _____

Signature _____ Date _____

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Oral Surgeons PC

Contact Person: Ronda Ceynar Phone: (515) 287-7773 Fax: (515) 287-7279

Address: 7400 Fleur Drive, DM 50320 E-mail: rceynar@oralsurgeonspc.com

2. Name of Current Officers, Title, Address, Phone:

Dr John Frank, DDS

7400 Fleur Dr. Suite 200

Des Moines, IA 50320

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Ronda Ceynar, CDA Phone: (515) 274-0797 Fax: 274-1472

Full Address: 3940 Ingersoll Ave.

Internet Address: www.oralsurgeonspc.com E-mail: rceynar@oralsurgeonspc.com

4. How many courses, meetings or programs did your organization sponsor last year? 6

5. How many courses, meetings or programs do you anticipate sponsoring this year? 6

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#23725 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
9-13-11	Straumann Smile Implants	Adam Bast	7400 Fleur Dr	1.5
10-11-11	" Case Study #1	Single tooth Posterior Restoration	"	2
11-8-11	" Cementing Restorations "	"	"	2
11-18-11	Set Your Practice on Fire	Dr Roger Levin, DDS	Courtyard by Marriott	—
1-16-12	Dental Implants & Perio Complications	Adam Bast	7400 Fleur Dr	2
4-6-12	Case Selection & Treatment Options	Dr Dean Morton	7400 Fleur Dr	1.5

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Ronda Ceynar, CDA

Address: 7400 Fleur Dr. Suite 200 Phone: (515) 274-0796

Signature: Ronda Ceynar CDA Date: 6-28-12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and forward to the board's office no later than June 30.

1. Official Name of Sponsor Group: Oral Surgery Associates of Iowa City

Contact Person: Andrew Hartwig DDS Phone: 319-338-5484 Fax: 319-338-9413

Address: 2814 Northgate Drive Iowa City IA 52245 E-mail: hartwig_oralsurg@hotmail.com

2. Name of Current Officers, Title, Address, Phone:

Andrew Hartwig, DDS Phd: Fellow AAOM&S; Diplomate AAOMS

Deborah Zeitler DDS, MS; Fellow AAOMS; Diplomate AAOMS

Chad Pfohl, DDS, Fellow AAOMS, Diplomate AAOMS

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Janet Major Phone: 319-338-5484 Fax: 319-338-9413

Full Address: 2814 Northgate Drive Suite 2 Iowa City IA 52245

Internet Address: www.iowacityoralsurgery.com E-mail: jmajor_kurt31@hotmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 1

5. How many courses, meetings or programs do you anticipate sponsoring this year? 4

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other:

#23063 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
10/25/11	Update Oral Surgery Today	Dr Andrew Hartwig or Chad Pfand or Dev Jettler	Jal City office	1

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Andrew Hartwig

Address: 2814 Norchgate Dr STE 2 Jal City IA 52245 Phone: 319 338 5484

Signature:  Date: 8-3-12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Patterson Dental

Contact Person: Lynn Wirth Phone: 515-254-1700 Fax: 515-254-1710

Address: 10950 Justin Dr. Urbandale, IA 50322 E-mail: lynn.wirth@pattersondental.com

2. Name of Current Officers, Title, Address, Phone: [Corporate Officers]

Scott Anderson President, CEO 1031 Mendota Heights Rd

Paul Guggenheim President of POSI St. Paul, MN 55120

800-328-5536

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Lynn Wirth Phone: 515-254-1700 Fax: 515-254-1710

Full Address: 10950 Justin Dr. Urbandale, IA 50322

Internet Address: pattersondental.com E-mail: lynn.wirth@pattersondental.com

4. How many courses, meetings or programs did your organization sponsor last year? 2 in 2011

5. How many courses, meetings or programs do you anticipate sponsoring this year? 5-7

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

1020313 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
1-20-12	Sleep Disordered Breathing	Dr. Steven Bender	Davenport, IA	6
2-17-12	Prevent Clinical Records Prevent Criminal Records	Dr. Roy Shelburne	Pella, IA	6
5-18-12	Sleep Disordered Breathing	Dr. Steven Bender	Oralville, IA	6
10-18-11	How to Increase Case Acceptance	Gene St. Louis	Davenport, IA	2
9-20-11	Digital Impressions and CAO/CAM Dentistry	Dr. Charles Samaras	Bethendorf, IA	3
7-29-10	Digital X-Ray	Christie Eriatti	Delwith, IA	8
4-27-10	Digital X-Ray	Jamie Schultz	Springfield, IL	8
10-8+9-2010	TMJD	Dr. Paul Breadhead	Ames, IA	15
9-17-10	Dentistry + The Law	Dr. Tim Taylor	Des Moines, IA	4
9-16-10	Bonding + Prosthetic choices	Applewhite Dental + DPS LAB	Des Moines, IA	4

[see additional sheet]

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Lynn Wirth

Address: 10950 Justin Dr. Urbandale IA 50322 Phone: 515-254-1700


Signature

7-5-12
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

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9-30-10	Digital X-Ray	Christie Eriatti	Davenport, IA	8
7-27-10	Digital X-Ray + Electronic Records	Christie Eriatti	Osceola, IA	8
7-16-10	Digital X-Ray	Christie Eriatti	W. Des Moines, IA	7
5-14 thru 15-2010	TMJD	Dr. Paul Readhead	Ames, IA	13.25
5-7-2010	Patient Education + Marketing	Dr. David Craddock + Dr. Mark Mosier	Davenport, IA	3
5-7-10	Clinical Tips + Technology	Dr. David Craddock + Dr. Mark Mosier	Davenport, IA	3.5
4-2-10	Clinical Digital X-Ray	Tom Erickson	Atlantic, IA	3
1-27-10	Nano Restorative Materials, Self Etching + Cements	Gregor Connell	Bettendorf, IA	2

CONTINUING EDUCATION SPONSOR APPLICATION

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JUL 23 2012

IOWA DENTAL BOARD

Groups or organizations wanting to obtain status as a board-approved sponsor of continuing education must complete this application and enclose the sponsor fee of \$100.

1. Official Name of Sponsor Group: The Procter & Gamble Company
Contact Person: Nancy Richter Phone: 513-622-0099 Fax: 513-530-6326
Address: 8700 Mason-Montgomery Rd, CF36B5 E-mail: Richter.NS@pg.com
Mason OH 45040

2. Type of organization (attach bylaws if applicable):
 Constituent or component society Dental School
 Dental Hygiene School Dental Assisting School
 Other (please specify): Manufacturer

3. If applicable, approximate number of active members N/A

4. Name of Current Officers TITLE ADDRESS-Same as Above PHONE
Leslie Winston Associate Director 513-622-0484
Lisa Saebel, Dentalcare.com Content Manager 513-622-5588
Nancy Richter, Webmaster CE Manager 513 622 0099

5. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the Board's website.
Name: Nancy Richter Phone: 513-622-0099 Fax: 513-530-6326
Full Address: 8700 Mason-Montgomery Road, CF3-6B5, Mason OH
45040
Internet Address: www.Dentalcare.com E-mail: Richter.NS@pg.com

6. Approximately how many courses, meetings or programs does your group or organization sponsor each year? 130

7. Average number of attendees at each course or meeting: N/A ONLINE

8. How many courses, meetings or programs do you anticipate sponsoring this year? 24 New Courses

9. Which of the following educational methods does your organization use? Please check all applicable.
 Home study (e.g. self assessment, reading, educational TV, internet courses)
 Lectures
 Participation
 Discussion
 Demonstration

#7208270683 \$100

10. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Risk Management
- OSHA regulations/Infection Control
- Other: All Types of courses
- Patient record keeping
- Communication

11. List all educational programs or courses offered during the preceding two years. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
<u>SEE ATTACHED</u>				

12. Please attach a program brochure, course description, or other explanatory material to describe a "typical" yearly program sponsored by your organization.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the Board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the Board rules for planning and providing continuing education.

Name of person completing this application: Nancy Richter
 Address: 8700 Mason-Montgomery Rd, Mason, OH 45040 Phone: 513 622-0099
Nancy Richter Signature 7/18/12 Date

Please note: The sponsor application fee of \$100 must accompany this application. You will be contacted after the Continuing Education Advisory Committee and Iowa Dental Board has reviewed your application.

RETURN TO:
 IOWA DENTAL BOARD
 Advisory Committee on Continuing Education
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

**LISTING OF CONTINUING EDUCATION COURSES
OFFERED ON THE CREST® DENTAL RESOURCENET
@ www.dentalresourcenet.com**

A Guide to Clinical Differential Diagnosis of Oral Mucosal Lesions (CE110) (AGD Topic 739)

Continuing Education Units: 4 hours

Michael W. Finkelstein, DDS, MS

This continuing education course is intended for the general dentist, dental hygienist, and dental assistant. The primary goal of this course is to help you learn the process of clinical differential diagnosis of diseases and lesions of the oral and maxillofacial region. The first step in successful therapeutic management of a patient with an oral mucosal disease or lesion depends upon creating a differential diagnosis. This course also includes both an interactive and downloadable decision tree to assist in the diagnosis.

A History and Update of Fluoride Dentifrices (CE94) (AGD Topic 011)

Continuing Education Units: 2 hours

James S. Wefel, PhD

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course is a review and update of cosmetic and therapeutic dentifrices, their impact on market shares, and the development of multi-benefit dentifrice technologies.

A Prospective Clinical Study to Evaluate the Effect of Manual and Power Toothbrushes on Pre-existing Gingival Recessions (CE349) (AGD Topic 770)

Christof E. Dörfer, DDS, PhD; Daniela Joerss, DDS; Diana Wolff, DDS

Continuing Education Units: 1 hour

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. The aim of this course is to evaluate gingival recession changes after six months of brushing with an oscillating-rotating power toothbrush (PT) or an ADA reference manual toothbrush (MT).

Actinic Cheilosis: Etiology, Epidemiology, Clinical Manifestations, Diagnosis, and Treatment (CE400) (AGD Topic 730)

Michael A. Huber, DDS; Géza T. Terézhalmy, DDS, MA

Continuing Education Units: 2 hours

Actinic cheilosis commonly affects the dental profession's anatomical area of responsibility and its diagnosis and management falls in the purview of oral healthcare providers. To administer competent care to patients with actinic cheilosis, clinicians must understand the disease, its treatment, and the impact the disease or its treatment may have on the patient.

Addressing Language and Cultural Barriers of the Spanish Speaking Patient (CE328) (AGD Topic 770)

Continuing Education Units: 2 hours

Cynthia Sellers, RDA

This continuing education course is intended for dental hygienists and dental assistants. As this nation of 300 million interacts with and attempts to assimilate 1 million new Hispanic arrivals each year, some dental practices may choose to become more aware of an unfamiliar language and culture. Creating a dental office in which Hispanics are comfortable and well served will be very important to future growth for some dental offices. And all dental practices are likely to find that treating patients with language and cultural differences is much easier if the dental team is prepared.

Adverse Reactions to Latex Products: Preventive and Therapeutic Strategies (CE81) (AGD Topic 148)

Continuing Education Units: 2 hours

Michael A. Huber, DDS; Geza T. Terezhalmay, DDS, MA

This continuing education course is intended for the general dentist, dental hygienist, dental assistant and office manager. With the adoption of standard precautions by the Centers for Disease Control, the use of

gloves extends to all aspects of patient care. The ubiquitous use of latex gloves and other latex products in health-care has resulted in a parallel increase in latex-associated adverse reactions. This course, based on a review of the literature, presents the etiology and epidemiology of adverse reactions to latex products, clinical manifestations of adverse reactions to latex products, strategies for the prevention of adverse reactions to latex products, and strategies for the treatment of allergic reactions to latex products.

Aging Systemic Disease and Oral Health: Implications for Women Worldwide (Part I) (CE302) (AGD Topic 750)

Continuing Education Units: 2 hours
Pam Hughes, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will review global prevalence and risk factors of three common health conditions among aging women: cardiovascular disease, diabetes, and osteoporosis. It explores prevention and treatment approaches, connections to oral health, and specific treatment plans for each condition. (This is Part 1 of a 2-part series on women, aging and oral health. Part 2 will appear in the dentalcare.com CE library.)

Aging, Systemic Disease and Oral Health: Implications for Women Worldwide (Part II) (CE330) (AGD Topic 750)

Continuing Education Units: 3 hours
Pam Hughes, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. Part one of this two-part series on Women, Aging and Oral Health was published in the September 2007 issue of *The Journal of Contemporary Dental Practice* and introduced the global prevalence and risk factors of three common health conditions among aging women: cardiovascular disease, diabetes and osteoporosis. The aim of this course is to provide dental professionals prevention and treatment approaches, information on connections to oral health and specific treatment plans for each condition.

Alginate Impression and Diagnostic Study Model Techniques (CE378) (AGD Topic 770)

Continuing Education Units: 3 hours
Ellen G. Gambardella, CDA, M.Ed.; Rita J. Johnson, COA, RDH, MA

This continuing education course is intended for general dentists, hygienists, dental assistants and dental students. Accumulation of dental data provides the foundation for comprehensive dental care. Alginate impressions and study models have been used in dentistry for years, primarily to aid in diagnosis and treatment planning. This CE course is intended to show how alginate impressions and study models are a valuable adjunct in providing optimal patient care.

An Integrated Clinical Summary: Professional Tooth Bleaching Using 14% Hydrogen Peroxide Whitening Strips (CE204) (AGD Topic 780)

Continuing Education Units: 1 hour
Robert W. Gerlach, DDS, MPH; Matthew L. Barker, PhD

This continuing education course is intended for general dentists, dental hygienists and dental assistants. Various advances in vital bleaching continue to expand the number of treatment options available to patients. A unique bleaching strip with 14% hydrogen peroxide (Crest® Whitestrips® Supreme) was introduced in 2003. This advanced system carries a thinner but more concentrated gel on each strip. The combination of a higher concentration gel with lowered gel volume translates to improved whitening without adversely affecting oral soft tissue tolerability and irritation. This course provides an integrated review of comparative clinical trials evaluating the whitening response and safety of this vital bleaching system.

An Introduction to the Herpes Viruses (CE304) (AGD Topic 739)

Continuing Education Units: 1 hour
Joe Knight, PA-C

This continuing education course is intended for general dentists, dental hygienists and dental assistants. The word herpes evokes an emotional response from almost everyone. Eighty percent of the world's population has serological evidence of the herpes simplex virus type one (HSV-1, generally orolabial herpes), while twenty-to-thirty percent of the U.S. population is seropositive for the herpes virus type 2 (HSV-2, generally genital herpes).

An Update on Demineralization/Remineralization (CE73) (AGD Topic 011)

Continuing Education Units: 3 hours

Mark E. Jensen, MS, DDS, PhD

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. This course was one of the first courses available on the Dental ResourceNet. The course has been updated without changing the original content, which is still valid. The updates include information on new technologies emerging for caries detection and evaluation as well as information on the evidence-based approach for dentistry in the area of demineralization and remineralization. This primarily includes the use of fluorides with information and resources on how to approach evidence-based dentistry for clinical practice. The course begins with a historical perspective on caries as a concern in the 1940's as a major public health problem and moves to the clinical practice today . . . from cure to prevention. Recent changes in the knowledge of the caries process in both enamel and root caries are detailed through the discussion of demineralization/remineralization. The course has been widely used by clinical staff (dental assistants, hygienists, and dentists in clinical practice) as well as students from all over the world. The course is not meant to be a comprehensive cariology course but rather an introduction to the concepts of demineralization and remineralization and how they can and should be incorporated into clinical practice. Upon completion of the course participants will understand the continued need for fluoride in the ongoing challenge to tooth structure, secondary lesions, root caries, and appreciate the need to examine the literature and evidence when applying clinical preventive techniques for caries prevention.

Basic Techniques for Management of the Infant and Toddler Patient (CE54) (AGD Topic 430)

Continuing Education Units: 2 hours

Steven Schwartz, DDS

This continuing education course is intended for the general dentist, hygienist and dental assistant. As the trend in the reduction of caries in the patient population continues and dentists scramble to find ways to maintain business by attracting new patients to their practice, many ignore a potential source of patients that exist in their practices. . . the infant and toddler pediatric patient. Introducing the pediatric dental patient during infancy and the toddler stage can have a mutual benefit for the child, parent, and dentist. Behavior modification techniques such as non-traumatic physical restraint and desensitization may be used to gain patient cooperation. Early examination can uncover potential problems thereby reducing future negative consequences of delayed intervention. Informing parents of the advantages of early dental care for their child is the most effective marketing strategy.

Biofilm: A New View of Plaque (CE42) (AGD Topic 10)

Continuing Education Units: 2 hours

Pamela R. Overman, RDH, MS

This continuing education course is intended for general dentists and hygienists. The primary learning objective for this course is to increase your general knowledge of the various ways that dental professionals have viewed plaque throughout the years, highlighting the current view of plaque as a biofilm and the ramifications for periodontal therapy.

Blood Pressure Guidelines and Screening Techniques (CE86) (AGD Topic 737)

Continuing Education Units: 1 hour

Connie M. Kracher, CDA, MSD

This continuing education course is intended for hygienists and dental assistants. Screening for blood pressure by the dental professional has proven to be extremely effective since most patients with hypertension are unaware of their condition. Many patients see a dentist more frequently than a physician, giving the dental team the responsibility to inform their patients of their blood pressure reading and how it can affect their overall health.

Caries Process and Prevention Strategies: Epidemiology (CE368) (AGD Topic 257)

Continuing Education Units: 1 hour

Edward Lo, BDS, MDS, PhD, FHKAM

This continuing education course is intended for dentists, hygienist and dental assistants. This is part 1 of a 10-part series entitled *Caries Process and Prevention Strategies*. Oral epidemiology is the area of

public health that deals with the distribution and the impact of oral disease on the human population. In this course, emphasis is placed on the relevance of epidemiology to clinical practice and information about the prevalence, incidence, and trends of dental caries in the United States is presented. The term DMF (decayed, missing, and filled teeth) is introduced, along with variations and limitations of the DMF index, and an explanation of how to calculate DMF scores.

Caries Process and Prevention Strategies: The Agent (CE369) (AGD Topic 257)

Continuing Education Units: 1 hour
Susan Higham, BSC, PhD, CBiol, MSB

This continuing education course is intended for dentists, hygienist and dental assistants. This is part 2 of a 10-part series entitled *Caries Process and Prevention Strategies*. Dental caries is a multifactorial, infectious disease affecting a significant percentage of the population. This course describes the etiology and pathways of progression of dental caries, including an in-depth review of the role of dental plaque and oral bacteria.

Caries Process and Prevention Strategies: The Host (CE370) (AGD Topic 257)

Susan Higham, BSC, PhD, CBiol, MSB
Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 3 of a 10-part series entitled *Caries Process and Prevention Strategies*. It has been established that a host must be present for caries to develop. In this course, three host factors – the tooth, saliva, and the oral cavity's immune response – are introduced, and their roles in the caries process are explained.

Caries Process and Prevention Strategies: The Environment (CE371) (AGD Topic 257)

Susan Higham, BSC, PhD, CBiol, MSB
Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 4 of a 10-part series entitled *Caries Process and Prevention Strategies*. In this course, the role of fermentable carbohydrates is discussed, paying particular attention to how caries can be influenced by the cariogenic potential of ingested sugars and starches, the physical traits of ingested carbohydrates (such as their adhesiveness), and the frequency of intake and exposure to sugars. The Stephan curve, which illustrates the dental pH changes over time in response to a carbohydrate challenge, is also introduced, with a discussion of how factors such as the type of carbohydrate, the buffering capacity of bacteria, and the type and amount of bacteria present in plaque affect dental plaque pH responses.

Caries Process and Prevention Strategies: Demineralization/Remineralization (CE372) (AGD Topic 257)

Susan Higham, BSC, PhD, CBiol, MSB
Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 5 of a 10-part series entitled *Caries Process and Prevention Strategies*. In this course, the dynamic process of demineralization and remineralization is discussed, paying particular attention to tooth hard tissue structure, the role of acid production by cariogenic bacteria, and the critical pH at which tooth enamel begins to dissolve. The role of acid-reducing bacteria, saliva, and fluoride in tooth hard tissue remineralization will also be explained.

Caries Process and Prevention Strategies: Diagnosis (CE373) (AGD Topic 257)

Amid I. Ismail, BDS, MPH, MBA, DrPH
Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 6 of a 10-part series entitled *Caries Process and Prevention Strategies*. This course introduces the dental professional to the importance of caries diagnosis in prevention of the disease, as well as the intricate link between caries diagnosis and treatment. The two main methods of lesion diagnosis used today—the visual–tactile method and bitewing

radiography—are discussed, including recent advancements that improve their sensitivity, as well as their limitations. Topics also include newer methods of caries diagnosis, and a brief discussion of why too-early caries lesion diagnosis can be counterproductive and the benefits of enlisting the help of pediatricians in diagnosing caries in children.

Caries Process and Prevention Strategies: Erosion (CE374) (AGD Topic 257)

Susan Higham, BSC, PhD, CBiol, MSB

Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 7 of a 10-part series entitled *Caries Process and Prevention Strategies*. This course establishes the concept of dental erosion as a condition that is distinct from caries, and as an emerging public health issue with increasing prevalence in people of all ages. Although often generalized under the heading of “tooth wear,” there are actually two distinct tooth surface loss processes that must be taken into account. Tooth surface loss can be the result of physical mechanisms, such as attrition and abrasion, or chemical mechanisms triggered by acid. Both of these mechanisms are discussed, as well as the chemical, biological, and behavioral factors that increase or reduce risk of tooth surface loss. In addition, diagnosis and prevention measures related to dental erosion are introduced.

Caries Process and Prevention Strategies: Prevention (CE375) (AGD Topic 257)

Marjolijn Hovius, RDH

Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 8 of a 10-part series entitled *Caries Process and Prevention Strategies*. This course introduces the dental professional to the concept of oral health promotion and education as a means of preventing caries. The topics discussed include understanding patient behavior, the barriers to change a patient may experience, why it is important for a dental professional to provide continuous support even when a patient is slow to change, and helping a patient to set goals that promote caries-reducing habits.

Caries Process and Prevention Strategies: Intervention (CE376) (AGD Topic 257)

Marjolijn Hovius, RDH

Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 9 of a 10-part series entitled *Caries Process and Prevention Strategies*. This course introduces the dental professional to the important role of fluoride in the prevention and control of dental caries. Systemic and topical forms of fluoride delivery are discussed as options for the majority of patients, and professional forms of fluoride delivery are discussed as sometimes-necessary measures for high-risk patients with severe caries.

Caries Process and Prevention Strategies: Risk Assessment (CE377) (AGD Topic 257)

Marjolijn Hovius, RDH

Continuing Education Units: 1 hour

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This is part 10 of a 10-part series entitled *Caries Process and Prevention Strategies*. This course introduces the dental professional to risk terminology, and methods for identifying caries-causing factors and assessing a patient's risk for developing dental caries. It also outlines a risk protocol that can be used with patients.

Child Abuse and Neglect: Implications for the Dental Profession (CE49) (AGD Topic 437)

Continuing Education Unit: 2 hours

Stephen A. Jessee, DDS

This continuing education course is intended for general dentists, hygienists, dental assistants, dental students, dental residents, and dental fellows. This course will provide information on the various types of child abuse and neglect; describe its victims and perpetrators; and outline the dental professionals' responsibilities in the recognition, reporting, treatment, and prevention of such cases.

Clinical Encounters in Pediatric Patients (CE352) (AGD Topic 430)

Continuing Education Unit: 2 hours
Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will discuss a variety of dento/oro/facial conditions commonly found in pediatric patients and their management from infancy to adolescence.

Clinical Practice Guidelines for an Infection Control/Exposure Control Program in the Oral Healthcare Setting (CE342) (AGD Topic 148)

Continuing Education Units: 3 hours
Géza T. Terézhalmy, DDS, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will describe how to develop infection control/exposure control strategies appropriate for the oral healthcare setting.

Commonly Prescribed Medications in Pediatric Dentistry (CE336) (AGD Topic 430)

Continuing Education Unit: 2 hours
Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The prescription of medications are more complicated than in the past with clinicians dealing with an increasing number of issues such as microbial resistance to prescribed antibiotics and drug interactions within the increased number of medications used by both adult and pediatric patients. In this course the reader will learn the characteristics, warnings and precautions and proper dosage for adult and pediatric patients for the following categories of medications: Antimicrobials (antibiotics, antifungals, and antivirals), analgesics, and fluorides.

Complementary and Alternative Medicine Techniques Available for Dentistry (CE357) (AGD Topic 730)

Esther K. Andrews, CDA, RDA, RDH, MA
Continuing Education Units: 1 hour

This continuing education course is intended for general dentists, hygienists, and dental assistants. Complementary and Alternative Medicine (CAM) is a set of procedures considered to be outside the practice of conventional medicine. This CE course is intended to define Complementary and Alternative Medicine terminology and techniques, and recognize that patients may choose complementary and alternative procedures in addition to conventional dentistry.

Counseling & Treating Bad Breath Patients (CE130) (AGD Topic 557)

Continuing Education Units: 2 hours
Patricia Lenton, RDH, MA; Georgia Majerus, RDH, BS; Bashar Bakdash, DDS, MPH, MSD

This continuing education course is intended for general dentists, hygienists, and dental assistants. The purpose of this course is to provide dental professionals with practical strategies to facilitate the discussion and treatment and oral malodor in the dental office. This course describes a useful communication model (P-LI-SS-IT) specifically aimed at discussing potentially sensitive issues. Several simulated dialogues are provided of how this communication model can be applied in the dental office.

Current Concepts in Preventive Dentistry (CE334) (AGD Topic 257)

Continuing Education Units: 5 hours
Connie Myers Kracher, PhD(c), MSD, CDA

This continuing education course is intended for hygienists and dental assistants. This course includes areas of prevention that are important for the dental professional to assess during your patients' dental examinations. Dentistry in the United States includes many different preventive practices, such as prophylaxis, fluoride treatments, full-mouth and bite-wing radiographs, sealants and other forms of primary preventive treatments used to detect dental caries and periodontal disease early.

Dental Business Office Design and Equipment (CE310) (AGD Topic 550)

Continuing Education Units: 2 hours

Betty Ladley Finkbeiner, CDA-Emeritus, BS, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The purpose of this course is to aid the dental team in the selection of equipment for the dental business office.

Dental Care for Infants (CE387) (AGD Topic 436)

Continuing Education Units: 1 hour

Ivonne Ganem, DMD, MPH

This continuing education course is intended for general dentists, hygienists, and dental assistants. The Centers for Disease Control and Prevention report that caries is perhaps the most prevalent infectious disease to US Children. By the time they reach kindergarten, more than 40% of children have caries. To prevent oral disease, preventive interventions must begin at infancy. This course will present to providers the importance of educating their adult patients on when they should begin bringing their children to the dental office for an oral exam and to begin a thorough prevention program that will establish measures to prevent diseases such as Early Childhood Caries (ECC).

Dental Esthetics in Practice: Part 1 - Focus on the Patient (CE1001) (AGD Topic 780)

Continuing Education Units: 1 hour

W. Patrick Naylor, DDS, MPH, MS

This continuing education course is intended for general dentists, hygienists and dental assistants. This is part 1 of a 5-part series called ***Dental Esthetics in Practice***. This course reviews concepts of beauty, factors that influence patients' interest in esthetic procedures, and techniques to effectively communicate treatment options with patients.

Dental Esthetics in Practice: Part 2 - Dental Esthetics and the Practice (CE1002) (AGD Topic 780)

Continuing Education Units: 1 hour

Roger P. Levin, DDS, MBA

This continuing education course is intended for general dentists, hygienists and dental assistants. This is part 2 of a 5-part series called ***Dental Esthetics in Practice***. Topics covered in this course include creating a cohesive esthetic office team, building a profitable esthetic practice, and ensuring successful outcomes for the patient and the practice.

Dental Esthetics in Practice: Part 3 - Understanding Color & Shade (CE1003) (AGD Topic 780)

Continuing Education Units: 1 hour

Charles J. Goodacre, DDS, MSD; Paul Sagel, BS

This continuing education course is intended for general dentists, hygienists and dental assistants. This is part 3 of a 5-part series called ***Dental Esthetics in Practice***. From the fundamentals of color to digital imaging analysis, this course reviews the practical application of color and shade in dental esthetics.

Dental Esthetics in Practice: Part 5 - Tooth Whitening (CE1005) (AGD Topic 780)

Continuing Education Units: 1 hour

Carlos A. Muñoz-Viveros, DDS, MSD; Robert W. Gerlach, DDS, MPH

This continuing education course is intended for general dentists, hygienists and dental assistants. This is part 5 of a 5-part series called ***Dental Esthetics in Practice***. This course focuses on the fundamentals of whitening, including whitening agents and factors that affect whitening response. It also reviews details of popular delivery systems, including in-office systems, tray-based systems and whitening strips.

Dental Implants and Esthetics (CE203) (AGD Topic 690)

Continuing Education Units: 1 hour

Charles J. Goodacre, DDS, MSD

This continuing education course is intended for general dentists, dental hygienists and dental assistants. Dental implants offer patients a means to replace one tooth or multiple teeth in a way that meets functional

and esthetic needs. This course reviews various categories of esthetic complications, including: environmental morphology; surgical and soft tissue healing protocol; implant location; crown/prosthesis form and type of abutment; facial esthetics; and prosthesis discoloration.

Dental Implications of the ADHD Patient (CE359) (AGD Topic 750)

Continuing Education Units: 2 hours

Patricia Frese, RDH, MEd; Elizabeth McClure, RDH, MEd

This continuing education course is intended for general dentists, dental hygienists and dental assistants. The goal of the course is to increase dental healthcare providers' understanding of treating the patient with ADHD.

Dental Management of Patients with Bleeding Disorders (CE319) (AGD Topic 750)

Continuing Education Units: 3 hours

Sandra D'Amato-Palumbo, RDH, MPS

This continuing education course is intended for general dentists and hygienists. When a patient presents with a bleeding disorder, how should dental providers proceed to manage the complexity of the case? Management of such medically-complex patients involves "an understanding of basic physiology of hemostasis", which can greatly enhance one's comprehension of most bleeding and clotting disorders. In addition to this composite of knowledge, clinical application of recent evidence-based recommendations can contribute to the management of these patients who may potentially require specialized medical and or dental care.

Dental Terminology and Professional Knowledge (CE136) (AGD Topic 10)

Continuing Education Units: 1 hour

Nancy Hemingway, RDH, MS

This continuing education course is intended for the general dentist, hygienist and dental assistant. The purpose of this course is for the learner to gain understanding and enhanced vocabulary of dental terminology and overall professional knowledge by training through example, context, engagement and multiple representations of content.

Dentinal Hypersensitivity: A Review (CE200) (AGD Topic 730)

Continuing Education Units: 1 hour

Pat Walters, RDH, MSDH, MSOB

This continuing education course is intended for the general dentist, hygienist and dental assistant. Dentinal hypersensitivity is a common dental problem yet it is often under-reported by patients or misdiagnosed. This course will address the etiology, prevalence and diagnosis of dentinal hypersensitivity as well as review clinical evidence behind popular desensitizing dentifrices.

Designing a Comprehensive Health History (CE76) (AGD Topic 737)

Continuing Education Units: 2 hours

Mary Govoni, CDA, RDA, RDH, MBA

This continuing education course is intended for the general dentist, dental assistant and office manager. This course will teach dental professionals and office managers how to design and update medical and dental history forms for any dental practice. This course emphasizes risk management and optimum patient care. This course teaches the basic components of a patient medical history: including legal, ethical and treatment-related items that must be included on a health history form; requirements for confidentiality and updates of information. Specific suggestions are included for screening patients with cardiovascular disease, diabetes and other potentially life-threatening conditions.

Diabetes: A Multifaceted Syndrome Treatment Considerations in Dentistry (CE93) (AGD Topic 750)

Continuing Education Units: 2 hours

Lynne H. Slím, RDH, MS; Cynthia A. Stegeman, RDH, Med RD, LC, CDE

This continuing education course is intended for general dentists, hygienists, and dental assistants. Diabetes is a major global public health problem and the sixth leading cause of death in the U.S. Proper management of diabetes will positively impact a patient's oral health, especially as it relates to risk for

periodontal infection. Determining whether or not medical issues warrant immediate care before elective dental procedures is an important part of patient protocol and needs to be instituted by dental practitioners. Better overall communication and ongoing interaction between medical and oral healthcare providers is needed to improve the overall health of individuals with diabetes.

Digital Radiography in Dentistry: Moving from Film-based to Digital Imaging (CE350) (AGD Topic 165)

Continuing Education Units: 4 hours
Gail F. Williamson, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The following course will provide a foundation for understanding digital imaging technology, necessary equipment, digital imaging receptors, technique, acquisition, enhancement, transfer and storage. Comparisons with film-based imaging as well as the diagnostic utility of digital images will be discussed.

Diseases of the Teeth and Jaws (CE306) (AGD Topic 731)

Continuing Education Units: 4 hours
Allan G. Farman, BSD, EdS, MBA, PhD; Sandra A. Kolsom, CDA, RDA

This continuing education course is intended for hygienists and dental assistants. The course will help the dental auxiliary to understand the importance of high-quality radiographs and will, in the long run, make him or her that much more valuable to the dental team.

Do's and Don'ts of Porcelain Laminate Veneers (CE333) (AGD Topic 780)

Continuing Education Units: 2 hours
Gerard Kugel, DMD, MS, PhD; Shradha Sharma, BDS, DMD

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will give guidelines on how to make esthetic changes for teeth that are discolored, worn, chipped, or misaligned. Porcelain veneers are considered to be strong and to have great esthetics and a long-term prognosis.

Eastern Medicine Meets Dentistry: The Use of Herbal Supplements in Dentistry (CE305) (AGD Topic 730)

Continuing Education Units: 3 hours
Natalie Kaweckyj, RDARF, CDA, CDPMA, COA, COMSA, MADAA, BA

This continuing education course is intended for hygienists and dental assistants. The dental team must be aware of oral products containing herbs and supplements and recognize potentially dangerous combinations between various herbs or supplements and drugs commonly used in dentistry today.

Eating Disorders...Understanding the Dental Ramifications (CE314) (AGD Topic 750)

Continuing Education Units: 3 hours
Natalie Kaweckyj, RDARF, CDA, CDPMA, COMSA, MADAA, BA

This continuing education course is intended for general dentists, hygienists, and dental assistants. The course will help the dental professional identify early warning signs of eating disorders that a patient may be exhibiting. In the United States, five million to 10 million females and approximately one million males struggle with some type of eating disorder. Dental personnel are usually the first to notice changes in the oral cavity of individuals with certain types of eating disorders. The earlier treatment is sought in the disease process, the more hopeful the prognosis.

Effective Adult Learning for Oral Health Education (CE74) (AGD Topic 557)

Continuing Education Units: 1 hour
Linda D. Boyd, RDH, RD, EdD

This continuing education course is intended for the general dentist, hygienist, and dental assistant. The purpose of this course is to provide dental practitioners with strategies to effectively educate their adult patients in order to prevent and/or manage dental disease. An overview of adult education principles as well as practical strategies for educating adult learners in the dental setting will be provided.

Effective Nitrous Oxide/Oxygen Analgesia Administration (CE92) (AGD Topic 430)

Continuing Education Units: 2 hours

Steven Schwartz, DDS

This continuing education course is intended for the general dentist. Administration of nitrous oxide/oxygen analgesia/anxiolysis is a safe and effective technique for reducing and even eliminating anxiety during dental treatment. This CE course will describe the objectives, indications and contraindications, and technique for successful administration of nitrous oxide to the pediatric patient.

Efficient & Effective Use of the Intraoral Camera (CE367) (AGD Topic 557)

Jill C. Obrochta, RDH, BS

Continuing Education Units: 2 hours

This course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. The course will provide a broad range of techniques and parameters with which to best utilize an intraoral camera within the dental practice. Intraoral cameras provide easy-to-use, high definition magnification and are one of the most powerful diagnosis and teaching tools within dentistry. Knowing the advantages and limitations of the intraoral camera will empower you to be an outstanding, cutting-edge clinician in this age of innovation.

Environmental Infection Control in Oral Healthcare Settings (CE363) (AGD Topic 148)

Continuing Education Units: 2 hours

Géza T. Terézhalmy, DDS, MA; Michael A. Huber, DDS

This continuing education course is intended for dentists, dental hygienists, dental assistants, dental students, dental hygiene students and dental assistant students. The environment (air, water, and fomites) in healthcare settings serves as a reservoir for many pathogens. While there are few reports clearly delineating a cause-and-effect with respect to environmental opportunistic organisms and healthcare-related infections, the strength of available evidence affirms that infection control strategies, when consistently implemented, are effective in preventing environmentally-related healthcare-associated infections among susceptible patients and healthcare workers (HCWs). The course presents essential elements of an infection control/exposure control plan for oral healthcare settings with emphasis on environmental infection control.

Ergonomics in the Dental Business Office (CE312) (AGD Topic 550)

Continuing Education Units: 2 hours

Betty Ladley Finkbeiner, CDA-Emeritus, BS, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course is designed to aid the dental business office team in practicing basic ergonomic concepts through the use of motion economy in order to maximize productivity and reduce strain.

Fabrication of Provisional Crowns and Bridges (CE392) (AGD Topic 17)

Continuing Dental Education Units: 3 hours

Cynthia M. Cleveland, CDA; Angela D. Allen, CDA; Niki Henson, RDH, AS

This continuing education course is intended for dental assistants. The course is designed to teach dental assistants how to fabricate provisional crowns or bridges. The term provisional also can refer to an interim or temporary restoration. Learning the techniques, materials, and procedures should give you a better understanding of what it takes to fabricate a provisional restoration.

Four-Handed Dentistry, Part 1: An Overview Concept (CE65) (AGD Topic 250)

Continuing Education Units: 2 hours

Betty Ladley Finkbeiner, CDA-Emeritus, BS, MS

This continuing education course is intended for the general dentist, hygienist, and dental assistant. This course is the first of a three part series and describes and discusses four-handed dentistry and its integration in the modern dental office.

Four-Handed Dentistry, Part 2: Equipment Selection (CE66) (AGD Topic 250)

Continuing Education Units: 2 hours

Betty Ladley Finkbeiner, CDA-Emeritus, BS, MS

This continuing education course is intended for the general dentist, hygienist, and dental assistant. This course is the second of a three part series and reviews the selection of dental equipment for use in an ergonomic, four-handed dental practice.

Four-Handed Dentistry, Part 3: Instrument Transfer (CE67) (AGD Topic 250)

Continuing Education Units: 2 hours

Betty Ladley Finkbeiner, CDA-Emeritus, BS, MS

This continuing education course is intended for the general dentist, hygienist, and dental assistant. This course is the third of a three-part series and reviews the transfer of dental instruments for use in an ergonomic, four-handed dental practice.

Full Coverage Aesthetic Restoration of Anterior Primary Teeth (CE379) (AGD Topic 430)

Continuing Dental Education Units: 3 hours

Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. Aesthetic treatment of severely decayed primary teeth is one of the greatest challenges to pediatric dentists. Aesthetic full coverage restorations are available for anterior and posterior primary teeth. This continuing education course will concentrate on aesthetic full coverage restorations for anterior primary teeth. A subsequent course will deal with full coverage of posterior primary teeth.

Geriatric Dentistry: Reviewing for the Present, Preparing for the Future (CE123) (AGD Topic 752)

Continuing Education Units: 4 hours

Natalie Kaweckyj, CDA, RDA, CDPMA, COA, COMSA, FADAA

This continuing education course is intended for dentists, hygienists and dental assistants. This course reviews a variety of treatment dilemmas during dental care for the older adult patient and certain factors that should be considered when rendering treatment.

Go Green: It's the Right Thing to Do (CE383) (AGD Topic 550)

Continuing Education Units: 1 hour

American Dental Association Council on Dental Practice; ADA Council on Education

This continuing education course is intended for dentists, dental hygienists, and dental assistants. What exactly is "going green"? What does it mean to the practice of dentistry? Dental healthcare professionals know the importance of preserving the environment and the environment's contribution to overall health and well-being. This course will include the parameters needed to initiate a program for your dental practice that is simple and practical to implement.

Gingival Health - Periodontal Assessment (CE327) (AGD Topic 490)

Continuing Education Units: 2 hours

Members of the ADA Council on Education

This continuing education course is intended for dental hygienists and dental assistants. In today's busy dental practice, the dental team's role in data collection for diagnosis and treatment of periodontal disease is extremely important. The dental profession has a legal responsibility to recognize and record findings and also to inform and educate the patient regarding this disease and the prognosis it presents. Periodontal disease, when recognized and treated early, can have predictable outcomes.

Guidelines for Infection Control in Dental Health Care Settings (CE90) (AGD Topic 148)

Continuing Education Units: 4 hours

Sharon K. Dickinson, CDA, CDPMA, RDA; Richard D. Bebermeyer, DDS; Karen Ortolano

This continuing education course is intended for general dentists, hygienists, and dental assistants. In 2003, the U.S. Centers for Disease Control and Prevention (CDC) published updated recommendations for dental infection control. Developed in collaboration with authorities on infection control from CDC and other public agencies, academia, and private and professional organizations, this course consolidates and expands previous CDC recommendations and incorporates the infection-control provisions of the

Occupational Safety and Health Administration (OSHA) Bloodborne Pathogens Standard. This course provides an overview of current CDC recommendations for minimizing the potential for disease transmission during the delivery of dental care.

Hand Hygiene: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE353) (AGD Topic 148)

Géza T. Terézhalmy, DDS, MA; Michael A. Huber, DDS
Continuing Education Units: 2 hours

This continuing education course is intended for dentists, dental hygienists, and dental assistants. It presents the essential elements of an infection control/exposure control plan for the oral healthcare setting with emphasis on hand hygiene.

Hazard Communications & Hazardous Waste Regulations for Dental Offices (CE55) (AGD Topic 148)

Continuing Education Units: 3 hours
Eve Cuny, BA, RDA, CDA

This continuing education course is for hygienists and dental assistants. Chemical agents are used every day in healthcare settings throughout the United States. Dental offices rely on chemicals to disinfect contaminated surfaces, etch teeth before application of resin restorations, develop X-rays, and for countless other purposes. These benefits do not come without some risks. The Hazard Communication Program applies to all dental offices. It is possible to have a simple program, which can easily be updated as needed. This course is intended to broaden your knowledge in implementing a system to be in compliance with hazardous waste regulations.

Health Literacy for the Dental Team (CE335) (AGD Topic 557)

Continuing Education Units: 2 hours
Patricia A. Lenton, GDH, MA; Jessica Ridpath, BS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This information will increase awareness and understanding by dental health personnel in the matters of health and oral health literacy. This course will define oral health literacy, describe steps being taken by professional oral healthcare organizations to address oral health literacy issues, and provide dental team members with practical strategies and resources to incorporate into their dental practices in improve patient understanding.

Helping the Special Needs Patient Maintain Oral Health (CE393) (AGD Topic 750)

Janet Jaccarino, CDA, RDH, MA
Continuing Dental Education Units: 2 hours

This continuing education course is intended for general dentists, hygienists, and dental assistants. Poor oral hygiene and dental disease may be more prevalent in patients with disabilities due to the effects of their condition and medication on the oral environment. This course provides dental professionals with information to help the patient with special needs and the caregiver attain the appropriate knowledge to treat and maintain good oral health.

Hepatitis: What Every Dental Healthcare Worker Needs to Know (CE307) (AGD Topic 148)

Continuing Education Units: 3 hours
John A. Molinari, PhD; Eve Cuny, RDA, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The risk of cross-infection between dental practitioners, auxiliaries and patients is considered significant, particularly because most human microbial pathogens have been isolated from the oral cavity. This course will increase awareness and understanding by dental health personnel in the matter of viral hepatitis in terms of clinical and asymptomatic disease, transmission and diagnostic tests, with major emphasis on hepatitis B and hepatitis C.

Hepatotropic Viruses: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE309) (AGD Topic 148)

Continuing Education Units: 2 hours
Michael A. Huber, DDS; Geza T. Terezhalmy, DDS, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course presents the essential elements of an infection control/exposure control plan for the oral healthcare setting with emphasis on hepatotropic viral infections.

Herpetic Infections: Etiology, Epidemiology, Clinical Manifestations, Diagnosis, and Treatment (CE356) (AGD Topic 739)

Continuing Education Units: 2 hours

Vidya Sankar, DMD, MHS; Géza T. Terézhalmy, DDS, MA

This continuing education course is intended for dentists, dental hygienists, and dental assistants. It presents the etiology, epidemiology, clinical manifestations, diagnosis, and treatment of herpetic infections relevant to dentistry.

HIV: Infection Control Issues for Oral Healthcare Personnel (CE97) (AGD Topic 148)

Continuing Education Units: 2 hour

Michael A. Huber, DDS; Geza T. Terezhalmay, DDS, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course presents currently available knowledge essential for the implementation of an effective HIV-related infection control plan with special emphasis on: (1) education and training related to the etiology and epidemiology of HIV infection and exposure prevention; (2) plans for the management of oral healthcare personnel potentially exposed to HIV and for the follow-up of oral healthcare personnel exposed to HIV; and (3) a policy for work restriction of HIV-positive oral healthcare personnel.

HSV and VZV: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE323) (AGD Topic 148)

Michael A. Huber, DDS and Géza T. Terézhalmy, DDS, MA

Continuing Education Units: 2 hours

This continuing education course is intended for dentists, dental hygienists, and dental assistants. It presents the essential elements of an infection control/exposure control plan for the oral healthcare setting with emphasis on HSV and VZV infections.

Immunological and Inflammatory Aspects of Periodontal Disease (CE1) (AGD Topic 490)

Continuing Education Units: 4 hours

Michael P. Mills, DMD, MS

This continuing education course is designed for general dentists, dental hygienists, dental students and dental hygiene students. The course reviews key components of the immune system and their coordinated roles in preventing and eliminating the etiologic agents of disease. Current concepts in the immunopathogenesis of periodontal disease will be discussed with emphasis on the role of inflammation in periodontal tissue destruction.

Intimate Partner Violence and Elder Maltreatment: Implications for the Dental Professional (CE338) (AGD Topic 156)

Continuing Education Units: 1 hour

Amos S. Deinard, MD, MPH; Marniasha Ginsberg, BA

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental residents, and dental fellows. This course will provide information on Intimate Partner Violence (IPV) and Elder Maltreatment (EM), describe their victims and perpetrators, and outline the dental professionals' responsibilities to recognize, report, treat, and prevent such cases.

Intraoral Radiographic Techniques (CE119) (AGD Topic 731)

Continuing Education Units: 4 hours

Christoffel J. Nortjé, PhD; Riann Ferreira, BChD; Ebrahim M. Parker, BChD, MScRad; Allan G. Farman, BDS, EdS, MBA, PhD; Sandra Kolsom, CDA., RDA

This continuing education course is intended for dental assistants. When examined under proper conditions, diagnostic-quality intraoral radiographs reveal evidence of disease that cannot be found in any

other way. The course presents basic principles and concepts of intraoral procedures. Includes discussion of proper techniques for bitewing radiography as well as the use of paralleling, bisecting angle, and intraoral and extraoral occlusal techniques.

Intraoral Radiography: Principles, Techniques and Error Correction (CE137) (AGD Topic 731)

Continuing Education Units: 2 hours

Gail F. Williamson, RDH, MS

This continuing education course is intended for hygienists and dental assistants. Proper patient care includes obtaining diagnostic intraoral and extraoral radiographs which are essential to patient assessment, periodontal therapy, treatment and re-evaluation. Radiographs are especially helpful during instrumentation as a guide for detection of calculus deposits or faulty restorations, as well as the diagnosis of dental caries, alveolar bone loss, pulpal changes, and anatomical imperfections in tooth and root surfaces. It is imperative that dental professionals are competent in taking radiographs to ensure diagnostically acceptable images, while keeping the amount of radiation exposure to patients at a minimum.

Introduction of Specialized Dental Software (CE382) (AGD Topic 550)

Connie Effinger, BS; Suzanne Kump, CDA, LDA, MBA; Kathy Zweg, CDA, LDA; Wilhemina R. Leeuw, CDA, MS

Continuing Education Units: 3 hours

This continuing education course is intended for dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. The course introduces a variety of functions and concepts that facilitate the transition from a manual dental-office accounting system to a computerized system - a change that can enhance and strengthen the practice for years to come. Although this course does not endorse any specific computer system, it presents principles that can be applied to most any com

Lasers in Dentistry: Minimally Invasive Instruments for the Modern Practice (CE394) (AGD Topic 260)

Steven R. Pohlhaus, DDS

Continuing Dental Education Credits: 4 hours

Lasers have been used in dentistry for over 20 years now. Recent developments in technology and differing wavelengths are creating a host of innovative treatments using various dental lasers. The modern practitioner needs to be familiarized with these devices and understand the possibilities and limitations of each device. This course will be designed to help educate the dental team and to clear the confusion regarding the various wavelengths available.

Lección 1. La Asistente Dental y el Consultorio (Lesson 1: The Dental Assistant and the Dental Office) (CE601) (AGD Topic 10)

Continuing Education Units: 3 hours

Maite Moreno, DDS, MS

Al iniciar el curso de asistente dental está usted ingresando en el interesante campo de la salud, como parte del gremio odontológico. Ser asistente dental le ofrece enormes oportunidades de desarrollo. Felicidades. (When you start the course of a dental assistant you are entering the interesting field of health, as part of the dental profession. Being a dental assistant offers enormous development opportunities. Congratulations.)

Lección 2. La Boca, Los Dientes y la Primera Cita del Paciente (Lesson 2: The Mouth, Teeth and the First Appointment Patient) (CE602) (AGD Topic 10)

Continuing Education Units: 3 hours

Maite Moreno, DDS, MS

En esta lección usted aprenderá la terminología usada para describir la estructura dentaria. La clasificación de los dientes, nomenclatura y cronología de erupción de los dientes será descrita. (In this lesson you will learn the terminology used to describe the tooth structure. The classification of the teeth, nomenclature and chronology of eruption of the teeth will be described.)

Local Anesthesia in Pediatric Dentistry (CE325) (AGD Topic 430)

Continuing Education Units: 2 hours

Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will teach the clinician how to administer an effective, safe and atraumatic local anesthesia injection to a child (or adult). Rather than avoiding local administration for fear of traumatizing the pediatric patient, the clinician should strive to learn and use the latest modalities of local pain control to create a pleasant and comfortable dental experience for the child.

Local Anesthesia in Today's Dental Practice (CE364) (AGD Topic 132)

Margaret I. Scarlett, DMD

Continuing Education Units: 2 hours

This continuing education course is intended for dental hygienists and dental assistants. The success of contemporary dental practice largely hinges on the use of local anesthesia for patient comfort and safety. Dental hygienists and dental assistants should have a basic understanding of local anesthesia, proper methods for handling syringes, possible complications, and how to manage emergencies.

Maintaining Proper Dental Records (CE78) (AGD Topic 159)

Continuing Education Units: 2 hours

Luisa Bernoni

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course provides dental team members with the necessary background and instructions for proper charting. Although this course presents guidelines to minimize legal risks, it is for guidance purposes only and is not intended to be legal in nature. Legal counsel should be sought any time a practice decides to change and/or implement new forms, recordkeeping procedures, or privacy safeguards. A lawyer will be able to inform and advise on the specific laws, rules, and regulations that pertain to specific states and in specific situations.

Management of Pediatric Medical Emergencies in the Dental Office (CE391) (AGD Topic 430)

Steven Schwartz, DDS

Continuing Education Units: 2 hours

The dentist's successful management of medical emergencies requires preparation, prevention and knowledge of definitive management not just by the dentist but by all dental staff. Although the primary focus of this course is the pediatric dental patient, adult medical emergencies will also be addressed.

Management of Traumatic Injuries to Children's Teeth (CE98) (AGD Topic 430)

Continuing Education Units: 2 hours

Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course presents currently available knowledge of the latest techniques for treatment of dental injuries in children and adults based on the guidelines from the American Academy of Pediatric Dentistry and the International Association of Dental Traumatology.

Mandated and Highly Recommended Vaccines for Oral Healthcare Workers (CE318) (AGD Topic 148)

Continuing Education Units: 2 hours

Michael A. Huber, DDS; Geza T. Terezhalmay, DDA, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course presents currently available knowledge essential for the development and implementation of an effective vaccination strategy in an oral healthcare setting.

Maskcessorize: The Art of Choosing the Proper Face Mask for the Task (CE405) (AGC Topic 148)

Gaylene Baker, RDH, MBA

Continuing Dental Education Credits: 1 hour

This course provides a review of the clinical considerations regarding the appropriate selection and use of facial protection devices in various dental practice settings. The types and designs of facial protection devices available today will be reviewed, accompanied by a discussion of the relevant regulations and professional recommendations for use.

Measles, Mumps and Rubella: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE322) (AGD Topic 148)

Continuing Education Units: 2 hours

Michael A. Huber, DDS; Geza T. Terezhalmly, DDA, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. The course presents the essential elements of an infection control/exposure plan for the oral healthcare setting with emphasis on measles, mumps, and rubella (German measles) infections.

Mercury in Dentistry: The Facts (CE88) (AGD Topic 251)

Continuing Education Units: 2 hours

Jennifer K. Blake, CDA, EFDA, FADAA

This continuing education course is intended for general dentists, hygienists, and dental assistants. The proper handling of mercury in the dental office is an important occupational safety issue for the dental team. This course addresses not only patient safety, but also the occupational safety issues for the dental team. The intent of this course is to provide the dental professional with currently available information about mercury hygiene.

Methamphetamine: Implications for the Dental Team (CE332) (AGD Topic 739)

Continuing Education Units: 3 hours

Patricia Frese, RDH, MEd; Barbara Kunselman, RDH, MS; Elizabeth McClure, RDH, MEd; and Janelle Schierling, RDH, EdD

Methamphetamine (meth) abuse is increasing and is a situation that is being dealt with on a national level. Meth has a profound effect on the user's entire body including the oral cavity. As health professionals, we have an obligation to seek education on the symptoms of methamphetamine use and the protocol to use when treating a methamphetamine abuser. This course explores the history, physical and psychological effects, implications for dental team members and other topics related to the meth phenomenon

Motivational Interviewing: A Patient-Centered Approach to Elicit Positive Behavior Change (CE381) (AGD Topic 557)

Continuing Education Units: 2 hours

Karen B. Williams, RDH, MS, PhD; Kimberly Bray, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The course reviews the fundamental principles of Motivational Interviewing (MI), a patient-centered, goal-directed approach to elicit positive oral health behavior change. The four key principles of MI – expressing empathy, developing discrepancies, rolling with resistance and supporting self-efficacy – are reviewed and then illustrated in two clinical case scenario videos.

***Mycobacterium tuberculosis*: Infection Control/Exposure Control Issues for Oral Healthcare Workers (CE316) (AGD Topic 148)**

Nuala B. Porteous, BDS, MPH; Géza T. Terézhalmly, DDS, MA

Continuing Education Units: 2 hours

This continuing education course is intended for general dentists, hygienists, and dental assistants. In the absence of an effective vaccine, exposure prevention remains the primary strategy for reducing occupational exposure to *Mycobacterium tuberculosis* (MTB). Knowledge about potential risks and concise written procedures intended to minimize exposure and promote a seamless response following accidental exposure can greatly reduce the emotional impact of such events.

Nitrous Oxide and Oxygen Sedation - An Update (CE396) (AGD Topic 132)

Ann Brunick, RDH, MS; Morris Clark, DDS, FACD

Continuing Dental Education Credits: 2 hours

This continuing education course is intended for general dentists, hygienists, and dental assistants. Nitrous oxide and oxygen (N₂O/O₂) in combination have been used safely and successfully for over 160 years to assist in the management of pain and anxiety. This course will teach about the desirable characteristics of nitrous oxide, indications and contraindications for N₂O/O₂ use as well as facts and myths surrounding chronic exposure to nitrous oxide, the biologic effects associated with high levels of the gas, and ways to assess and minimize trace gas contamination in an outpatient setting.

Not all Face Masks are Created Equal - What is Best for You (CE358) (AGD Topic 148)

Pamela J. Runge, RDH, MBA

Continuing Education Units: 1 hour

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course provides important information to help dental professionals make informed decisions regarding surgical face masks, a critical piece of personal protective equipment.

Nutrition & Oral Health: Eating Well for a Healthy Mouth (CE301) (AGD Topic 150)

Continuing Education Units: 2 hours

Diane Verneti-Callahan, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course is intended to provide awareness and a deeper understanding of the connection between optimal nutrition and its impact on oral health.

Objective Quantitative Methods for Oral Health Research (CE354) (AGD Topic 770)

Continuing Education Units: 3 hours

Donald J White, PhD Malgorzata Klukowska, DDS, PhD; Robert W. Gerlach, DDS, MPH; Edward Lynch, BDentSc, MA, TCD, PhD(Lon); George K. Stookey, PhD

Continuing Education Units: 3 hours

This continuing education course is intended for general dentists and dental hygienists. Examiner-based diagnostic measures have served oral health clinical research for many years. They have a historical connection to established therapies and represent a direct context to practitioner experiences. Despite the advantages of the clinical grader, numerous contemporary technical developments from a variety of disciplines may hold promise in expanding the sensitivity and specificity of our clinical measures. In this video CE course, four experts share their knowledge regarding advances in objective methods used to evaluate oral health in the clinical setting. Three presentations focus on the opportunities presented by advanced imaging and image processing techniques while a fourth reviews opportunities presented by high field magnetic resonance.

Older Dental Patients: Myths and Realities (CE6) (AGD Topic 752)

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS

This course presents information for the hygienist and dental assistant on the elderly dental patient. There are many misconceptions about elderly patients, and this course addresses key aspects of the elderly that will provide a greater understanding of this dynamic population. The course content includes analysis of the elderly of today compared to that of two and four decades ago, the status of today's dentate elderly, as well as periodontal status and dry mouth.

Oral Cancer (CE348) (AGD Topic 739)

Richard C. Jordan, DDS, PhD, FRCD(C) FRCPATH

Continuing Education Units: 1 hour

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. This course will cover the important general features of oral cancer, its causes and clinical presentation and how the disease is managed.

Oral Cancer Genetics: From Diagnosis to Treatment (CE72) (AGD Topic 739)

Continuing Education Units: 3 hours

Natalie Kaweckyj, RDA, CDA, CDPMA, COA, COMSA, FADAA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will teach the dental professional to recognize signs and symptoms of cancer, the effects various cancer treatments have on the oral cavity, and how you can ease patient discomfort.

Oral Health and the Older Adult (CE8) (AGD Topic 752)

Continuing Education Units: 2 hours
Kenneth Shay, DDS, MS

This continuing education course is intended for hygienists and dental assistants. This course presents information that is key to working with the growing older adult patient population. It is important for dental professionals to understand the risk factors in dental disease, the primary causes of xerostomia, maintenance techniques for dental prostheses, and appropriate communication skills for this patient population.

Oral Health Care: A Whole New Language (CE21) (AGD Topic 10)

Continuing Education Units: 3 hours
Patricia J. Nunn, RDH, MS

This course is intended for anyone new to the field of dental healthcare, whether they are a dental assistant, dental hygienist, dental student, or anyone already in the field, who would like a dental vocabulary refresher. The most commonly used terms in dentistry will be defined and memory joggers will be provided for most. Useful prefixes and suffixes often used to create dental/medical words are presented as are some common abbreviations.

Oral Health Maintenance of Dental Implants (CE339) (AGD Topic 690)

Continuing Education Units: 2 hours
Connie Myers Kracher, PhD(c), MSD, CDA; Wendy Schmeling Smith, RDH, BSEd

This continuing education course is intended for hygienists and dental assistants. In recent years, the demand for dental implants has risen greatly. Not only have techniques improved, but the benefits that implants provide patients have increased as well. Dental implants can improve appearance, confidence, and self-esteem; preserve remaining teeth; improve a person's ability to speak and masticate properly; and eliminate the need for full and partial dentures.

Oropharyngeal Candidiasis: Etiology, Epidemiology, Clinical Manifestations, Diagnosis, and Treatment (CE380) (AGD Topic 730)

Continuing Education Units: 2 hours
Géza T. Terézhalmy, DDS, MA; Michael A. Huber, DDS

This continuing education course is intended for dentists and dental hygienists. Candidal infections commonly affect the dental profession's anatomical area of responsibility and the diagnosis and management of such infections, to a great extent, fall in the purview of oral healthcare providers. This course presents the etiology, epidemiology, clinical manifestations, diagnosis, and treatment of candidal infections relevant to dentistry.

Orthodontics: A Review (CE202) (AGD Topic 370)

Continuing Education Units: 1 hour
Calogero Dolce, DDS, PhD

This continuing education course is intended for the general dentist, dental hygienist and dental assistant. Orthodontics, the first specialty in dentistry, emphasizes proper occlusion and tooth alignment as well as ideal dental and facial esthetics. The American Association of Orthodontists estimates that three-quarters of the US population could benefit from orthodontic care, so it's important for dental professionals to understand the basic elements of orthodontics. This course reviews the need for orthodontic treatment, diagnostic procedures and records, biological factors affecting tooth movement, goals of orthodontic treatment, categories of treatment, popular orthodontic devices and oral hygiene considerations.

Osteoporosis: Prevention, Management, and Screening Using Dental Radiographs (CE303) (AGD Topic 754)

Continuing Education Units: 2 hours
Diane Verneti-Callahan, RDH, BS

This continuing education course is intended for the general dentist, dental hygienist and dental assistant. The course is intended to provide dental practitioners with an awareness and a deeper understanding of osteoporosis; prevention, causes, detection and treatment options.

Osteoradionecrosis: Oral Health and Dental Treatment (CE351) (AGD Topic 739)

Continuing Education Units: 2 hours

Daniel E. Jolly, DDS, FAAHD, FACD, DABSCD

This continuing education course is intended for the general dentist, dental hygienist and dental assistant. The course will define and explain the development of Osteoradionecrosis (ORN) as well as help the dental professional in identifying the signs and symptoms of ORN.

Periodontal Management of the Diabetic Patient (CE331) (AGD Topic 490)

Continuing Education Units: 3 hours

Spencer L. Fried, DDS, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course provides information to assist clinicians in understanding the diabetes mellitus disease state and how it affects the course and treatment of periodontal diseases. The course reviews the manifestations and epidemiology of diabetes mellitus, its control and measures. It also reviews periodontal risk factors and indicators and the goals of periodontal therapies. Finally the effects of uncontrolled diabetes on periodontal disease are discussed, as well as the effects of uncontrolled periodontal disease on diabetes mellitus. The objective of the course is to review the rationale for the importance of diagnosing and treating periodontal disease as a necessary part of the diabetic patient's overall healthcare.

Periodontal Screening and Recording: Early Detection of Periodontal Diseases (CE53) (AGD Topic 490)

Continuing Education Units: 1 hour

Tanya Villalpando Mitchell, RDH, MS

This continuing education course is intended for general dentists and hygienists. Periodontal Screening and Recording (PSR) is a rapid method of screening patients to decide if a more comprehensive assessment is necessary. After taking this course, the participant will understand the benefits of the PSR system, identify who should be screened for periodontal problems, discuss the PSR system scoring and understand how it works, recommend treatment based upon the code interpretations, and discuss the PSR system with patients.

Periodontics: Oral Health and Wellness. I. Understanding Periodontal Health, Recognizing Disease States and Choices in Treatment Strategies (CE50) (AGD Topic 490)

Continuing Education Units: 4

Jason M. Mailhot, DMD, MS; Spencer L. Fried, DDS, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course provides information to assist clinicians in promoting the goals of oral health by first understanding periodontal health, recognizing disease states and providing choices in treatment strategies. The course reviews basic periodontal anatomy (to include connective tissue, bone, periodontal ligament, and cementum) and physiology, periodontal disease classification, as well as the challenges, manifestations and implications of attachment loss. Evaluation of periodontal therapeutic strategies is best accomplished through a review of the scientific evidence on the topic. The objective of the therapeutic strategies reviewed is to improve the health and function of all periodontal attachment structures rather than only bone in isolation.

Pit & Fissure Sealants: The Added Link in Preventive Dentistry (CE128) (AGD Topic 430)

Continuing Education Units: 2 hours

Mary Ann Haisch, RDH, MPA

This course is for dental hygienists and dental assistants. The course presents an overview of dental pit and fissure sealants as a safe and effective way to prevent dental caries. The course starts with a brief look at the history of dental sealants followed by the current rationale for their use. Frequently asked questions about sealants are addressed along with the presentation of guidelines for sealant use.

Information about materials currently used for sealants is presented along with general instructions for the successful placement of sealants. The use of sealants in public health programs is also addressed.

Power Toothbrushes: Everything You Need to Make Informed Recommendations for Your Patients (CE89) (AGD Topic 557)

Continuing Education Units: 3 hours
Ginger B. Mann, BSDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. Power brushes are designed to facilitate the removal of bacterial plaque and food debris from the teeth and gingiva and to reduce calculus and stain accumulation. The information found in this continuing education course will arm the dental professional with information and resources needed to make effective power brush recommendations that motivate patients and boost brushing compliance.

Practical Panoramic Radiography (CE71) (AGD Topic 731)

Continuing Education Units: 3 hours
William C. Scarfe, BDS, FRACDS, MS; Gail F. Williamson, RDH, MS

This continuing education course is intended for general dentists, dental hygienists and dental assistants certified to operate x-ray equipment as well as students enrolled in dental and allied dental educational programs. The primary focus of this course is to broaden awareness of panoramic radiographic technique, error recognition and error correction.

Practice in Motion (CE366) (AGD Topic 770)

Continuing Education Units: 4 hours
Jacquelyn M. Dylla, PT, DPT; Jane L. Forrest, EdD, RDH

This continuing education course is intended for general dentists, hygienists, dental assistants, dental students, dental hygiene students, and dental assistant students. This course is designed to educate dental professionals about efficient sitting positions and movements that assist with minimizing occupational pain and/or injury. As part of this course, we will examine why many practitioners need to change how they sit, discuss common postures/habits that contribute to life long pain and the consequences of not changing.

Prevention and Management of Oral Complications of Cancer Treatment: The Role of the Oral Health Care Team (CE129) (AGD Topic 754)

Continuing Education Units: 2 hours
ADAA 2000 Council Members

This course is for dentists, dental hygienists, and dental assistants. The course provides the dental team with information about potential oral complications and how these potentially serious problems can be prevented or managed.

Promoting the Patient Oral Self-Assessment (CE347) (AGD Topic 730)

Continuing Education Units: 2 hour
Nancy W. Burkhart, BSDH, MEd, EdD; Leslie DeLong, BS, MHA

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. This CE course is intended to give the dental practitioner a helpful guide that may be used to teach patients to perform an oral examination.

Prosthesis Retention and Effective Use of Denture Adhesive in Complete Denture Therapy (CE360) (AGD Topic 670)

Continuing Education Units: 2 hours
David R. Cagna, DMD, MS; Joseph J. Massad, DDS

This continuing education course is intended for prosthodontists, general dentists, hygienists, and dental assistants. This course will review epidemiologic data on the growing older adult population and its impact on the need for complete denture therapy today and in the future. The challenges faced by the profession with respect to managing edentulism in this older adult population will also be considered. Finally, the

therapeutic utility of denture adhesives, appropriate adhesive application to denture bases, and recommendations for denture and oral hygiene will be discussed and illustrated.

Radiation Biology, Safety and Protection for Today's Dental Team (CE399) (AGD Topic 731)

Continuing Dental Education Credits: 5 hours

Gail F. Williamson, RDH, MS

This continuing education course is intended for dentists, dental hygienists and dental assistants. This course will provide an overview of radiation biology and the safety and protection measures that the dental team can implement to reduce radiation exposure to dental patients as well as minimize occupational exposure. This information applies to both film-based and digital radiography.

Radiographic Techniques for the Pediatric Patient (CE63) (AGD Topic 430)

Continuing Education Units: 2 hours

Steven Schwartz, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. The purpose of this course is to provide a discussion on the guidelines for radiographic exposure intervals for the reduction of ionizing radiation and innovative techniques that are helpful in conducting radiographic examinations for the pediatric patient. Also, suggestions for communicating with patients and parents about radiation safety and the need for radiographs are covered.

Recognizing and Managing Eating Disorders in Dental Patients (CE321) (AGD Topic 750)

Continuing Education Units: 2 hours

Cynthia A. Stegeman, RDH, MEd, RD, CDE; Lynne H. Slim, RDH, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. An increasing number of people, mostly girls and women, are struggling with eating disorders. Research has shown that there are now over 70 million individuals affected by eating disorders worldwide. Dental professionals have been recognized with important roles in the secondary prevention of eating disorders which includes early detection, patient-specific oral treatment, and referral for care. It is also recognized that increasing the number of oral healthcare professionals who are involved in secondary prevention behaviors is essential in helping those individuals with eating disorders that are in need of identification.

Salivary Gland Dysfunction: Etiology, Epidemiology, Clinical Manifestations, Diagnosis, and Treatment (CE385) (AGD Topic 730)

Vidya Sankar, DMD, MHS; Géza T. Terézhalmy, DDS, MA

Continuing Dental Education Credits: 2 hours

This continuing education course is intended for general dentists, hygienists, and dental assistants. Salivary gland dysfunction may be characterized by either hyposalivation or hypersalivation. To provide competent care to patients with salivary gland dysfunction, clinicians must understand its many causes and associated complications, and develop preventive and therapeutic strategies accordingly. This course presents the etiology, epidemiology, clinical manifestations, diagnosis, and treatment of salivary gland dysfunction.

Setting It Straight – Advanced Orthodontics (CE326) (AGD Topic 370)

Continuing Education Units: 3 hours

Lori Garland Parker, MAOM, RDAEF

This continuing education course is intended for dental assistants. The goal of this course is to familiarize dental professionals with the more advanced aspects of orthodontics.

Smiles for Tomorrow (CE4) (AGD Topic 430)

Continuing Education Units: 4 hours

Prashant Gagneja, DDS

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course has been developed in cooperation with the American Academy of Pediatric Dentistry and is designed to offer pediatric oral health information. The topics reviewed include: normal oral structures,

common oral conditions, eruption patterns, dental caries and prevention, and orofacial trauma. Upon completion of this course the user will better understand appropriate evaluation, treatment, and preventive measures that should be instituted during infancy and continued on a regular basis to maintain optimal health.

Special Needs Care in Dentistry for Children (CE386) (AGD Topic 436)

Continuing Education Units: 1 hour

Ivonne Ganem, DMD, MPH

This continuing education course is intended for general dentists, hygienists, and dental assistants. Over nine million US children and adolescents age 17 and under have a special health care need. This is 13% of the population. This course will provide an overview of the importance of the oral health care workforce under the current health care system for the special needs pediatric patient and the techniques necessary to successfully treat special needs pediatric patients.

Sports-Related Injuries and Sports Dentistry (CE127) (AGD Topic 154)

Continuing Education Units: 2 hours

Wendy Schmeling Smith, RDH, BSEd; Connie Myers Kracher, CDA, BSEd

This continuing education course is intended for general dentists, hygienists, and dental assistants. Whether for exercise, competition or the simple enjoyment of participating, increasing numbers of health conscious Americans are involved in sporting activities. This course is designed to explain the various sports-related dental injuries, discuss the three types of mouth guards utilized and the dental team's role in sports-related injuries and sports dentistry.

Squamous Cell Carcinoma of the Oral Tissues: A Comprehensive Review for Oral Healthcare Providers (CE83) (AGD Topic 739)

Continuing Education Units: 2 hours

Samer A. Bsoul, BDS, MS; Michael A. Huber, DDS; Geza T. Terezhalmay, DDS, MA

This continuing education course is intended for general dentists, hygienists, and dental assistants. Annually, over 28,000 cases of oral and pharyngeal carcinoma are diagnosed in the United States. Oral health care providers can be instrumental in reducing the incidence of oral and pharyngeal premalignant and malignant lesions by identifying patients with high-risk behavior, educating their patients about the consequences of their high-risk behavior, and by early detection of premalignant and malignant conditions. To facilitate early diagnosis, oral health care providers must take into consideration the capriciousness of oral cancer and must be familiar with the availability and application of diagnostic modalities beyond conventional visual inspection and palpation of oral soft tissues.

Strategies for Searching the Literature Using PubMed (CE340) (AGD Topic 130)

Continuing Education Units: 3 hours

Jane L. Forrest, EdD, RDH; Syrene A. Miller, BA

This continuing education course is intended for general dentists, dental hygienists, and dental assistants and is a follow up to the course, *Evidence-Based Decision Making: Introduction and Formulating Good Clinical Questions*. The primary learning objectives for this course are to increase your skills in conducting an efficient computerized search using PubMed to answer a specific clinical question, the second step of the Evidence-based process.

The Business of Dentistry: Financial Management for the Dental Office (CE389) (AGD Topic 550)

Continuing Education Units: 4 hours

Natalie Kaweckyj, LDARF, CDA, CDPMA, COA, COMSA, MADAA, BA; Wendy Frye, CDA, RDA, FADAA; Lynda Hilling, CDA, MADAA; Lisa Lovering, CDA, CDPMA, MADAA; Linette Schmitt, CDA, RDA, MADAA; Wilhemina Leeuw, CDA, BS

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. This financial management course focuses on how a dental practice protects information, receives monies for services rendered, and makes payments to outside entities. Upon completion of this course, the dental professional will be able to apply standard financial procedures to any dental practice.

The Business of Dentistry: Patient Records and Records Management (CE390) (AGD Topic 550)

Continuing Education Units: 4 hours

Natalie Kaweckyj, LDARF, CDA, CDPMA, COA, COMSA, MADAA, BA; Wendy Frye, CDA, RDA, FADAA; Lynda Hilling, CDA, MADAA; Lisa Lovering, CDA, CDPMA, MADAA; Linette Schmitt, CDA, RDA, MADAA; Wilhemina Leeuw, CDA, BS

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. This course focuses on several office and management responsibilities including the attainment of complete and accurate records and their legal ramifications with regards to risk management, storage and patient consent. The dental professional must have a basic working knowledge of these procedures to maintain all office records.

**The Complete Denture Prosthesis: Clinical & Laboratory Applications
Baseline Data & Prognostic Indicators (CE102) (AGD Topic 670)**

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS; Joseph E. Grasso, DDS, MS; Kenneth S. Barrack, DDS

This continuing education course is intended for general dentists. The first of a multi-part series, this course focuses on the range of data that must be compiled and assessed at the onset of treatment and presents the rationale and procedures for making preliminary impressions.

**The Complete Denture Prosthesis: Clinical & Laboratory Applications
The Patient Analog, Part 1: Final Impressions (CE106) (AGD Topic 670)**

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS; Joseph E. Grasso, DDS, MS; Kenneth S. Barrack, DDS

This continuing education course is intended for general dentists. The second of a multi-part series, this course will review procedures and rationale for fabricating and evaluating the custom tray, for refining its borders in the mouth, for assessing the quality of the impression, and for ensuring the formation of a well-extended and durable master cast.

**The Complete Denture Prosthesis: Clinical & Laboratory Applications
The Patient Analog, Part 2: Intermaxillary Relations Records (CE107) (AGD Topic 670)**

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS; Joseph E. Grasso, DDS, MS; Kenneth S. Barrack, DDS

This continuing education course is intended for general dentists. The third of a multi-part series, this course will describe: designing and fabricating baseplates and occlusion rims; determining the location and orientation of the occlusal plane and the occlusal vertical dimension; accurately recording centric relation; and transferring this record to an articulator.

**The Complete Denture Prosthesis: Clinical & Laboratory Applications
Fabricating the Trial Denture (CE108) (AGD Topic 670)**

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS; Joseph E. Grasso, DDS, MS; Kenneth S. Barrack, DDS

This continuing education course is intended for general dentists. The fourth of a multi-part series, this course will review the factors that have been found to be most useful in selecting and arranging teeth, developing the occlusal scheme, and designing the posterior palatal seal.

**The Complete Denture Prosthesis: Clinical & Laboratory Applications
Insertion, Patient Adaptation, and Post-Insertion Care (CE109) (AGD Topic 670)**

Continuing Education Units: 2 hours

Kenneth Shay, DDS, MS; Joseph E. Grasso, DDS, MS; Kenneth S. Barrack, DDS

This continuing education course is intended for general dentists. The fifth of a multi-part series, this course will review the steps that must be accomplished before the patient is dismissed with the new dentures, the essential elements of appropriate patient education about the new prostheses, and guidelines for diagnosing and addressing post-insertion problems that are most likely to be encountered.

The Dental Assistant's Role in Preventing Family Violence (CE124) (AGD Topic 156)

Continuing Education Units: 3 hours

This continuing education course will provide information regarding the dental assistant's role in preventing child abuse and neglect. Through the understanding of what causes family violence and learning the definitions of child abuse and neglect, the dental assistant will also learn the protocol for properly identifying suspected cases of child abuse and neglect. This course will help the dental assistant understand the common symptoms that may mimic abuse and the differences in intervening in family violence cases involving adults. Additionally, the assistant should become very familiar with local and state dental initiatives to prevent family violence.

The Dental Staff's Management of Medical Emergencies (CE131) (AGD Topic 142)

Continuing Education Units: 5 hours

Sue Protzman; Jeff Clark, MS, REMT-P

This continuing education course is designed for hygienists and dental assistants. Medical emergencies can occur at any time in the dental office. The best way to handle an emergency is to be prepared in advance. This course reviews how to handle medical emergencies and should make the dental professional more confident in his or her ability to handle all aspects of the job.

The Flu . . . and You: A Novel Challenge with 2009 H1N1 Influenza A (CE355) (AGD Topic 148)

Continuing Education Units: 2 hour

Nancy Andrews, RDH

This continuing education course is intended for general dentists, hygienists, and dental assistants. Dental healthcare workers will undoubtedly be exposed to both 2009 H1N1 (previously called "Swine Flu") and seasonal influenza. Every dental team member must take necessary precautions to avoid illness, maintain a safe office environment for both the dental team and its patients and keep current on new strains of influenza and other respiratory illnesses. A program should be put in place in every dental office that screens patients for aerosol transmitted diseases (ATD). Understanding the symptoms, risks and how to deal with them can avoid panic, illness and even death. This course will describe the various strains of influenza, suggest how to recognize flu, and present facts about prevention and treatment of the flu.

The Importance of Pharmacology in the Delivery of Quality Dental Care (CE329) (AGD Topic 730)

Continuing Education Units: 5 hours

Mary Govoni, CDA, RDA, RDH, MBA; Richard L. Wynn, PhD

This continuing education course is intended for dental hygienists and dental assistants. The course provides the dental professional with a broad overview of various categories of drugs and their implications for dental patients and treatment.

The Intraoral and Extraoral Exam (CE337) (AGD Topic 739)

Continuing Education Units: 3 hours

Nancy W. Burkhart, BSDH, MEd, EdD; Leslie DeLong, RDH, AS, BSHS, MHA

This course will introduce the protocol for a complete oral cancer screening with proper techniques for both the intraoral and extraoral exam; provide some patient education information, as well as information on some adjunct considerations that may be utilized in lesion detection and lastly, to suggest that all patients be told they are actually receiving a complete oral screening exam.

The Many Faces of Oral Lichen Planus (CE313) (AGD Topic 739)

Continuing Education Units: 3 hours

Nancy Burkhart, BSDH, MEd, EdD

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course will increase awareness and understanding by dental health personnel in the matter of Lichen planus. Lichen planus is a mucocutaneous disease affecting approximately 1.5 to 2% of the world population. The course of the disease is usually unpredictable with bouts of remission and exacerbation being common.

The Patient with Special Needs: General Treatment Considerations (CE384) (AGD Topic 754)

Janet Jaccarino, CDA, RDH, MA
Continuing Education Units: 3 hours

This continuing education course is intended for general dentists, hygienists, and dental assistants. Patients with disabilities, who make up a large segment of the population, are often overlooked when it comes to oral health care for a variety of reasons. However, it is our responsibility as dental health care professionals to meet the needs of this very special group of patients. By taking this course the dental professional will be able to recognize the patient with special needs, understand the oral health issues facing patients with disabilities, and implement simple design changes to treat these patients.

Therapeutic Mouthrinsing: An Effective Component to Oral Hygiene (CE317) (AGD Topic 730)

Continuing Education Units: 1 hour
Pam Hughes, RDH, BS, MS

This continuing education course is intended for general dentists, hygienists, and dental assistants. Brushing and flossing remain the preferred method for plaque control. Unfortunately, many patients lack the motivation or ability to maintain low plaque levels, leading to periodontal disease, dental caries and other oral health conditions. Chemotherapeutic rinses provide a convenient, cost-effective way to enhance plaque control achieved with mechanical hygiene. This course reviews three common agents used in chemotherapeutic rinses and recommends factors to consider when advising patients to add a rinse to their oral hygiene routine.

Treatment of an Edentulous Patient with a Dry Mouth (CE20) (AGD Topic 752)

Continuing Education Units: 4 hours
Kenneth Shay, DDS, MS

This continuing education course is intended for general dentists and hygienists. The primary learning objective for this course is to increase general knowledge and skills in the dental management of the complete denture patient with a dry mouth.

Understanding Nicotine Addiction and Tobacco Intervention Techniques for the Dental Professional (CE51) (AGD Topic 158)

Continuing Education Units: 3 hours
Arden G. Christen, DDS, MSD, MA; Jennifer A. Klein, RDH, MSA; Stephen J. Jay, MD; Joan A. Christen, BGS, MS; James L. McDonald, Jr., PhD; Christianne J. Guba, DDS, MSD

This continuing education course is intended for general dentists, dental hygienists, and dental assistants. The purpose of this course is to alert dental professionals to the harmful effects of tobacco, both to the oral cavity and to the body. The course is also designed to teach professionals specific skills they may use to help tobacco users become free of their addiction.

Understanding the Dangers and Health Consequences of Spit Tobacco Use (CE120) (AGD Topic 158)

Continuing Education Units: 3 hours
Susan C. Dodd, RDH, BA

This continuing education course is intended for general dentists, hygienists, and dental assistants. This course reviews the reasons the dental team is in an ideal position to use the "teachable moments" that occur during a dental visit to counsel their patients on the dangers of tobacco use while supporting them in their cessation efforts.

Using Research for Clinical Decision-Making: Elements of a Research Report (CE45) (AGD Topic 130)

Continuing Education Units: 2 hours
Ann L. McCann, RDH, MS; Emet D. Schneiderman, PhD

This continuing education course is designed for general dentists, hygienists, and dental assistants. This course describes the parts of a research report and the information that should be contained within each section. This will guide practitioners in their review of research articles so that they can identify the specific research questions/hypotheses being explored and what was discovered about them. These

skills will help dental healthcare providers decide whether or not to incorporate these research findings into their patient therapy and practice procedures.

Using Research for Clinical Decision-Making: Evaluating a Research Report (CE46) (AGD Topic 130)

Continuing Education Units: 2 hours

Ann L. McCann, RDH, MS; Emet D. Schneiderman, PhD

This continuing education course is designed for general dentists, dental hygienists, and dental assistants. The course describes the criteria for judging the quality of a research report and provides guidelines for interpreting the research information. These skills will help dental health care providers decide whether or not to incorporate the research findings into their patient therapy and practice procedures.

Wired for Learning - Orthodontic Basics (CE365) (AGD Topic 370)

Lori Garland Parker, BS, MAOM, RDAEF, CDA, COA

Continuing Education Units: 3 hours

This continuing education course is intended for dental hygienists and dental assistants. Orthodontics specializes in the diagnosis, prevention and treatment of dental and facial irregularities, but from a patient's view, it simply creates great smiles! This course introduces the basics of orthodontics, with the goal of peaking interest in this specialty of dentistry, and providing education to springboard an individual considering a career in this specialty.

Xerostomia: A Continuing Challenge for Oral Healthcare Professionals (CE96) (AGD Topic 750)

Continuing Education Units: 2 hours

Lynne H. Slim, RDH, BSDH, MSDH; Cheryl Thomas, RDH

This continuing education course is designed for general dentists, hygienists, and dental assistants. The care administered by healthcare professionals should be guided by evidence-based decision making and practice recommendations. The purpose of this course is to provide information on Xerostomia, or dry mouth, a rapidly growing problem in the U.S. population, and a xerogenic condition that has a variety of possible causes. Clinical guidelines for oral treatment and dental caries prevention in patients with chronic xerostomia are complicated by new products and therapies and need to be updated by dental teams on an annual basis.

X-ploring Metabolic Syndrome (CE388) (AGD Topic 750)

Continuing Dental Education Credits: 3 hours (

Sandra D'Amato-Palumbo, RDH, MPS; Melissa Janeiro, RDH, BS; Renee Prajer, RDH, MS; Gwen Grosso, RDH, MS

This continuing education course is intended for dentists and dental hygienists. The primary goal of this course is to educate oral health care professionals about the emerging diagnosis and prevalence of patients with **Metabolic syndrome (MetS)**, and its impact on oral and systemic health. The secondary goal is to present practical and evidence-based clinical guidelines and strategies that can assist oral health care professionals when treating patients with **MetS** and/or its associated risk factors. Comprised of a group of co-existing risk factors, this syndrome predisposes patients to coronary artery disease, stroke, and type 2 diabetes mellitus.

SPONSOR RECERTIFICATION APPLICATION

RECEIVED

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

AUG 13 REC'D

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Scott County Dental Society
Contact Person: Danae Krutzfeldt Phone: ⁵⁶³ 359-5510 Fax: ⁵⁶³ 359-3051
Address: 3475 Jersey Ridge Rd E-mail: danaelynne@yahoo.com
Davenport, IA 52807

2. Name of Current Officers, Title, Address, Phone:
Dr. Jen Fritz, president, 2820 AAA Ct. Suite 3 Bettendorf, IA 52722 ⁵⁶³⁻³³²⁻³⁶⁹¹
Dr. Rachel Dant, vice-president 5216 Sheridan St, Davenport IA 52806 ⁵⁶³⁻³⁸⁶⁻⁷⁵⁴⁰
Dr. Danae Krutzfeldt, treasurer/secretary -SEE ABOVE

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Danae Krutzfeldt Phone: ⁵⁶³ 359-5510 Fax: ⁵⁶³ 359-3051
Full Address: 3475 Jersey Ridge Road, Davenport, IA 52807
Internet Address: _____ E-mail: danaelynne@yahoo.com

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 3

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1453 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
Feb 17, 2012	CPR renewal	Clinton Fire	The Lodge Bettendorf, IA	8 hours

~~Several other courses were put on in conjunction with~~
~~Oral Arts Dental Lab in Dubuque, IA. They will be submitting~~
~~those courses for renewal. Please disregard. See back of form for~~
~~all sponsored courses.~~

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants.

Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Danae Krutzfeldt

Address: 3475 Jersey Ridge Rd, Davenport, IA Phone: 563-359-5510

Danae Krutzfeldt
Signature

8/10/2012
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

Continuing education courses sponsored by Scott County Dental Society 2010-2012. All courses were at The Lodge Hotel in Bettendorf, IA

December 3, 2010 – Update on bonded restorations and anterior esthetics Dr. Marcos Vargas 4 hours

May 20, 2011 – Endodontic review/resorptive lesions Dr. Richard Walton/Dr. Manuel Gomez 4 hours

November 4, 2011 – Prosthodontic review including implant reconstruction Dr. Lary George 5 hours

February 17, 2012 – CPR renewal course Clinton Fire Department 4 hours

April 20, 2012 – Odontogenic tumors and mucosal conditions Dr. John Hellstein 4 hours

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IOWA DENTAL BOARD

JUL 19 2012

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Sioux City Dental Society

Contact Person: Michael Wheatley Phone: 712-258-3636 Fax: _____

Address: 2928 Hamilton Blvd. Suite 101 E-mail: scdentalsociety.com
Sioux City, IA 51104

2. Name of Current Officers, Title, Address, Phone:

Past Pres. Shawn Walton 2410 Pierce St. Sioux City IA 51104

President Jane Lilly 2100 Indian Hills Drive Sioux City IA 51104

V President Clinton Norby 301 oaktree Ln Dakota Dunes SD 57049

Secretary/Treasurer Michael Wheatley 2928 Hamilton Blvd. Suite 101
Sioux City, IA 51104

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Michael Wheatley Phone: 712-258-3636 Fax: 712-255-4163

Full Address: 2928 Hamilton Blvd Suite 101 Sioux City IA 51104

Internet Address: dr.wheatley@siouxlan.net E-mail: MTWheatley@yahoo.com
small case

4. How many courses, meetings or programs did your organization sponsor last year? 5

5. How many courses, meetings or programs do you anticipate sponsoring this year? 5

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1287 \$100

* Address: Marina Inn + Conference Center
 4th + B Streets
 South Sioux City, NE 68776

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
10-8-10	Pediatric Dentistry	Michael Kanellis	Marina Inn	6
10-8-10	Radiology for Assistants	Jan Hillis	Marina Inn	2
11-12-10	21 st Century Endodontics	George Bruder	Marina Inn	6
1-14-11	The Virtues of Profitable Dentistry	Howard Farran	Marina Inn	0
2-11-11	Hot Topics in Aesthetic + Restorative Dentistry	David Hornbrook	Marina Inn	6
3-11-11	I Made It Pretty, Why Did It Break? When Esthetics Isn't Enough.	Steve Ratcliff	Marina Inn	6
10-21-11	Infection Control/Oral Pathology	Michael Finkelstein	Marina Inn	6
11-11-11	What's New In Dental Pharmacotherapy	Karen Baker	Marina Inn	6
1-3-12	The Christensen Bottom Line	Gordon Christensen	Marina Inn	6
2-10-12	Oral Surgery for General Dentist	Karl Koerner	Marina Inn	6
3-9-12	The Team Approach To Comprehensive Periodontal/Restorative Treatment	Daniel Melker	Marina Inn	6 hrs.

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Shawn Walton

Address: 2410 Pierce St. Sioux City, IA 51104 Phone: 712-255-7607

Shawn Walton
 Signature

7-15-12
 Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
 IOWA DENTAL BOARD
 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

CONTINUING EDUCATION SPONSOR APPLICATION

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AUG 27 REC'D

IOWA DENTAL BOARD

Groups or organizations wanting to obtain status as a board-approved sponsor of continuing education must complete this application and enclose the sponsor fee of \$100.

1. Official Name of Sponsor Group: Sioux City Dental Society
 Contact Person: Clinton Norby Phone: 712-635-1181 Fax: _____
 Address: 301 Oak Tree Lane, Dakota Dunes SD 57049 E-mail: cnorb@i@gmail.com

2. Type of organization (attach bylaws if applicable):
 Constituent or component society Dental School
 Dental Hygiene School Dental Assisting School
 Other (please specify): _____

3. If applicable, approximate number of active members 200 - 300 Dentists

4. Name of Current Officers	TITLE	ADDRESS	PHONE
<u>Jane Lilly</u>	<u>President</u>	<u>2100 Indian Hills Dr. Sioux City IA 51104</u>	<u>712-239-5125</u>
<u>Clinton Norby</u>	<u>V. P.</u>	<u>301 Oak Tree Lane Dakota Dunes SD 57049</u>	<u>605-242-0107</u>
<u>Mike Wheatley</u>	<u>Sec/Treasurer</u>	<u>2928 Hamilton Blvd Lower E Sioux City IA 51104</u>	<u>712-258-3636</u>

5. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the Board's website.

Name: Clinton Norby Phone: 712-635-1181 Fax: _____
 Full Address: P.O. Box 1403, Sioux City IA 511
 Internet Address: scdental.society.com E-mail: cnorb@i@gmail.com

6. Approximately how many courses, meetings or programs does your group or organization sponsor each year? 5

7. Average number of attendees at each course or meeting: 200

8. How many courses, meetings or programs do you anticipate sponsoring this year? 5

9. Which of the following educational methods does your organization use? Please check all applicable.

- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Lectures
- Participation
- Discussion
- Demonstration

#2259 \$100

10. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Risk Management
- OSHA regulations/Infection Control
- Other: _____
- Patient record keeping
- Communication

11. List all educational programs or courses offered during the preceding two years. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
See Attached				
Schedules				

12. Please attach a program brochure, course description, or other explanatory material to describe a "typical" yearly program sponsored by your organization.

See Attached Above

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the Board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the Board rules for planning and providing continuing education.

Name of person completing this application: Clinton Norby

Address: 301 Oak Tree Lane / Dakota Dunes SD 57049 Phone: 712-675-1181

CL Norby
Signature

8/24/12
Date

Please note: The sponsor application fee of \$100 must accompany this application. You will be contacted after the Continuing Education Advisory Committee and Iowa Dental Board has reviewed your application.

RETURN TO:
IOWA DENTAL BOARD
Advisory Committee on Continuing Education
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

Sioux City Dental Society, Inc www.scdentalsociety.com

The Sioux City Dental Society, Inc. is a non-profit organization dedicated to providing excellent continuing education programs for the Siouxland Dental Community. Continuing education hours are endorsed through the Academy of General Dentistry. 3.0 credit hours are available for attending only the morning session and 6.0 hours for attending the entire day's program.

- 10/08/2010 Michael Kanellis DDS, MS (pediatric dentistry, title and objectives TBA)
- 11/12/2010 George Bruder DMD 21st Century Endodontics
- 01/14/2011 Howard Farran DDS, MBA, MAGD The Virtues of Profitable Dentistry
- 02/11/2011 David Hornbrook, DDS FAACD Hot Topics in Aesthetic & Restorative Dentistry
- 03/11/2011 Steve Ratcliff, DDS MS I Made it Pretty, Why Did it Break? When Esthetics Isn't enough

Radiology for Dental Assistants and Hygienists- 2 Credit Hours***10:00-12:00*** 10/08/2010
Jan Hillis RDM, MA

Location: Marina Inn Conference Center 510 E 5th St., South Sioux City, NE 402-494-4000

(Continental breakfast served with each program)

Time: Registration begins at 8:30am. Program begins at 9:00am

Dues: Entire program year (October to March)- \$300 per practicing Dentist
Individual program- \$125 per practicing Dentist
Radiology update for assistants not accompanied by a dentist- \$30 per assistant
Employed staff may accompany their dentist to any of the included programs at no additional cost

Officers: Brian Bursick, DDS Past President 712-274-2038 drbrian7@mac.com
Amber Wisner, DDS President 605-242-7123 president@scdentalsociety.com
Shawn Walton, DDS Vice President 712-255-7607 waltondocw@cableone.net
Jane Lilly, DDS Secretary/Treasurer 712-239-5125 info@lillyfamilydentistry.com

Look for schedule and/or announcements at: www.scdentalsociety.com/

Send registration and dues payable to Sioux City Dental Society Inc, to: Sioux City Dental Society Inc
PO Box 1403, Sioux City, IA 51102

For 2010-2011 program registration, please return this portion with appropriate dues

Name: _____ Email: _____

Address: _____ Phone: _____

Sioux City Dental Society, Inc. www.scdentalsociety.com

2011-2012 Program Schedule

The Sioux City Dental Society, Inc. is a non-profit organization dedicated to providing continuing education programs for the Siouxland Dental Community and is designated as an Approved PACE Program Provider by the Academy of General Dentistry. Each full day program provides 6 hours of continuing education credit. 3 hours CE credit will be given for half day attendance.

- October 21, 2011** **Michael W. Finkelstein, DDS, MS** University of Iowa
Infection Control/ Oral Pathology (infection control lecture will be the first 2 hours)
- November 11, 2011** **Karen A. Baker, BS, MS** University of Iowa
What's New In Dental Pharmacotherapy?
- January 13, 2012** **Gordon J. Christensen, DDS, MSD, PhD**
The Christensen Bottom Line
- February 10, 2012** **Karl R. Koerner, DDS**
Oral Surgery for the General Dentist
- March 9, 2012** **Daniel J. Melker, DDS**
The Team Approach To Comprehensive Periodontal/ Restorative Treatment

Location: Marina Inn & Conference Center, 4th and B Streets, South Sioux City, NE
(Continental breakfast is served with each program. Lunch is on your own.)

Time: Registration begins at 8:30am. Program begins at 9:00am and ends approximately at 4:00pm

Dues: Entire program year membership (October to March) - **\$350** per practicing doctor
Individual program - **\$175** per practicing doctor (includes staff for that meeting only)
Staff of Sioux City Dental Society member doctors may attend meetings at no additional cost.
Staff not employed by a Sioux City Dental Society member doctor - **\$30** each per meeting

Officers:	Amber Wisner, DDS	Past President	605-242-7123	alreinks@gmail.com
	Shawn Walton, DDS	President	712-255-7607	waltondocw@aol.com
	Jane Lilly, DDS	Vice President	712-239-5125	janedds99@gmail.com
	Clinton Norby, DDS	Secretary/ Treasurer	712-255-0107	cnorb001@gmail.com

Look for schedule changes and/ or announcements at www.scdentalsociety.com

Send check payable to Sioux City Dental Society, Inc. and registration form to: Sioux City Dental Society, Inc
PO Box 1403
Sioux City, IA 51102

For 2011-2012 program registration, please return this portion with appropriate registration fee:

Name: _____ Email: _____

Address: _____ Phone #: _____

SPONSOR RECERTIFICATION APPLICATION

JUL 25 2012

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: SPRING PARK DENTAL IMPLANT STUDY CLUB

Contact Person: PAUL R. SMITH DDS Phone: 563-359-1601 Fax: 563-355-7111

Address: 5345 SPRING ST DAVENPORT IA 52807 E-mail: paoulraoul@hotmail.com

2. Name of Current Officers, Title, Address, Phone:

DR PAUL R. SMITH DDS - DIRECTOR - Address as above

DR KAREN K POTACEK DDS - ASST DIR. "

DR STANLEY BAILEY ASST DIR. "

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Glenna Kohlmeier Phone: 563-359-1601 Fax: 563-355-7111

Full Address: 5345 Spring Street, Davenport, IA 52807

Internet Address: Springparkoms.com E-mail: sposgk@hotmail.com

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#70366

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
11-11-10	"Update on Restorative Options for Implant Fixtures"	Matt Meyer	our office	2
6-7-12	"Abutment Selection and Digital Impressioning with Implants"	Shayne Szpra	our office	2
8-10-11	"Management of Medical Emergencies in the Dental Office"	Shawn Bailey, DDS, MD	our office	3
5-11-11	OSHA training	Paul R. Smith, DDS	our office	2
4-11-12	OSHA training	Paul R. Smith, DDS	our office	2

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Paul R. Smith PAUL R. SMITH

Address: 5345 Spring St Dav IA 52807 Phone: 563-359-1601

Signature: Paul R. Smith

Date: 7-17-2012

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
 IOWA DENTAL BOARD
 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

RECEIVED

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687

Phone (515) 281-5157 • www.dentalboard.iowa.gov

JUN 25 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: TALLCORN DENTAL SYMPOSIUM (TCDS)

Contact Person: LARRY ALQUIST DDS Phone: (641) 456-4666 Fax: (641) 456-5592

Address: 109 3RD ST NE HAMPTON, IA 50441 E-mail: —

2. Name of Current Officers, Title, Address, Phone:

PRES. - DR. GEORGE NORTH ALLISON, IA

SEC-TREAS. - DR. LARRY ALQUIST HAMPTON, IA
(641) 456-4666

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: LARRY ALQUIST DDS Phone: (641) 456-4666 Fax: (641) 456-5592

Full Address: 109 3RD ST NE HAMPTON IA 50441

Internet Address: — E-mail: —

4. How many courses, meetings or programs did your organization sponsor last year? 8 MAY 2011 →
MAY 2012

5. How many courses, meetings or programs do you anticipate sponsoring this year? ≈ 7-8

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: —

#1014 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
5-22-12	CASE STUDIES	DR. JON HARDINGER	ALLISON IA	2
3-27-12	PREGNANCY/DENTISTRY	DR. LORI MASON	PARKERSBURG, IA	2
2-28-12	RCT on STEP WISE CARRIES EXCAV.	DR. TRAVIS HARBAUGH	ALLISON IA	2
1-31-12	FIXED PROSTHODONTICS	DR. MIKE ARCURI	CEDAR FALL, IA	2
10-25-11	SOFT TISSUE LASERS	BRIAN ARCURI DDS	WAVERLY, IA	2
8-30-11	ORTHODONTICS	DR. LUCAS BOE	IOWA FALLS IA	2
6-30-11	IMPLANTS	DR. JON HARDINGER	SHEFFIELD IA	2
5-24-11	IMPLANTS	DR. KAREN WOLF	WAVERLY, IA	2
11-30-10	MAXILLOFAC. PROS.	DR. MIKE ARCURI	CEDAR FALLS	2
10-26-10	DENTISTRY INTER-PERSONAL RELATIONSHIPS	JILL HUISMAN	MASON CITY	2
9-30-10	NEW CERAMIC RESTOR. + SNAP ON SMILE	DPS LAB OWNERS (TROY SCHALL)	IOWA FALLS IA	2
8-24-10	CLINICAL DIAGNOSIS	DR. MIKE ARCURI	SHEFFIELD IA	2

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: LARRY ALQUIST DDS FAGD

Address: 109 3RD ST NE HAMPTON IA 50441 Phone: (641) 456-4666

Larry J. Alquist DDS, FAGD 6-26-12
Signature Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
400 S.W. 8th Street, Suite D
Des Moines, IA 50309-4687

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IOWA DENTAL BOARD

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IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Ultradent Products, Inc.

Contact Person: Christalee Durrant Phone: 801-553-4589 Fax: _____

Address: 505 West 10200 South E-mail: _____

2. Name of Current Officers, Title, Address, Phone: South Jordan UT 84095 Christalee.durrant@ultradent.com

Christalee Durrant, CE manager Jill White, CE specialist

Jason McFarland, CE specialist Arleena Fischer, CE specialist

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Christalee Durrant Phone: as above Fax: _____

Full Address: as above

Internet Address: www.ultradent.com E-mail: Christalee.durrant@ultradent.com

4. How many courses, meetings or programs did your organization sponsor last year? 90+

5. How many courses, meetings or programs do you anticipate sponsoring this year? 100+

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1276806 \$100

West Des Moines, IA - FREE SEMINAR

Call Ultradent Seminars at 800-520-6640 to register

Sponsored by Ultradent Products, Inc.

Date: June 22, 2012

JOIN US! EARN UP TO 8 CE CREDITS

LOCATION	<i>West Des Moines Marriott 1250 Jordan Creek Parkway West Des Moines, IA</i>
PRICE	<i>Complimentary course (light breakfast and lunch provided)</i>
SCHEDULE (Doctors)	<i>Registration: 7:30 AM; Seminar: 8:00 AM - 5:00 PM</i>
SCHEDULE (Staff)	<i>Registration: 7:30 AM; Seminar: 8:00 AM - 5:00 PM (Space is limited)</i>

ABOUT THE LECTURERS

Dr. Dan Fischer and Carol Jent, RDH, BA



DR. DAN E. FISCHER graduated from Loma Linda University in 1974. Following graduation, he was an instructor in the restorative department at Loma Linda. Dr. Fischer maintained a full-time private practice for fifteen years, working after hours on research and development. Since 1990 he has worked extensively in research and development but still maintains a part-time practice with an emphasis on esthetic dentistry. He is president and chief executive officer of Ultradent Products, Inc. and extensively involved in the research and development of many products used widely in the dental profession, with numerous U.S. and foreign patents granted/pending. He currently serves as an adjunct professor at Loma Linda University and the University of Texas at San Antonio. He was awarded the Lifetime Achievement Award from the AACD in 2005.



SCAN WITH YOUR SMARTPHONE FOR MORE DETAILS

In October, 2011, Dr. Fischer was inducted into the American College of Dentists (ACD), the oldest national honorary organization for dentists. Its members have exemplified excellence through outstanding leadership and exceptional contributions to dentistry and society. Long regarded as the "conscience of dentistry," the ACD serves to elevate the standards of dentistry, encourage graduate study, and grant fellowship to those who have done meritorious work.



CAROL JENT, RDH, BA Some people think Carol Jent is trying to fit two lifetimes into one. While running marathons, hunting big game, and crashing small planes, she earned a degree in dental hygiene from the University of Alaska. Later, she graduated from the University of Utah in communications and marketing with an emphasis in health care. Now the dental hygiene program manager and R&D clinical hygienist for Ultradent Products, Inc., Carol maintains a busy lecture schedule, authors dental and dental hygiene articles, and serves on the boards of numerous organizations, including Dimensions of Dental Hygiene magazine, Sealants for Smiles, and the Utah and Alaska Dental Hygiene Associations. An avid volunteer, Carol contributes her time and expertise to Donated Dental Services, Sealants for Smiles, and an annual healthcare mission to China. Thankfully she no longer flies small planes.

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ADA CERP® Continuing Education Recognition Program

Ultradent Products, Inc. is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. Ultradent Products, Inc. designates this activity for 8 continuing education credits.



Cancelation Fees May Apply

800.520.6640 | www.ultradent.com/desmoines

SPONSOR RECERTIFICATION APPLICATION

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

SEP 21 2010

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: University District Dental Society

Contact Person: Dr. Dave Hansen Phone: 351-6622 Fax: _____

Address: 2814 Northgate Drive E-mail: dchansen@icendo.com
Iowa City IA 52245

2. Name of Current Officers, Title, Address, Phone:

Dr. Dave Hansen President (Same as above)

Dr. Michael Spector ^{Vice President} University of Iowa College of Dentistry
Iowa City, IA 52242 335-7322

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Dr. Dave Hansen ^{same as above} Phone: _____ Fax: _____

Full Address: _____

Internet Address: _____ E-mail: _____

4. How many courses, meetings or programs did your organization sponsor last year? 2

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#1360 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
Oct 6, 2010	I Don't Have All The Answers But I Know Where to Find Them	Baker, Holmes, Marshall, Cedar Rapids Morarand, Hellstein, Van Horn	Cedar Rapids	6
April 6, 2011	Hottest Topics in Dentistry Today	Malemacher	Iowa city	6
Oct 5, 2011	Updates in Dentistry	Carroll, Borgwardt, Gratten, Baker	Iowa city	6
April 4, 2012	Computer Guided Implant Treatment Planning Medical Emergencies	Williamson Morarand Clark	Iowa City	6

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I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Ann Romanewski

Address: 1517 Mall Drive Iowa City, IA 52242 Phone: 337-5752

Ann Romanewski
Signature

Sept 14, 2012
Date

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
IOWA DENTAL BOARD
ADVISORY COMMITTEE ON CONTINUING EDUCATION
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Des Moines, IA 50309-4687

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JUN 20 2012

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IOWA DENTAL BOARD

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1. Official Name of Sponsor Group: The University of Iowa College of Dentistry

Contact Person: Ms. Penni Ryan Phone: 319-335-7166 Fax: 319-335-7155

Address: 346 Dental Science Bldg. N. E-mail: penni-ryan@uiowa.edu

2. Name of Current Officers, Title, Address, Phone:

Dr. David Johnsen Dean College of Dentistry 319-335-7144

Dr. Galen Schneider Executive Associate Dean College of Dentistry 319-335-7146

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Ms. Penni Ryan Phone: 319-335-7166 Fax: 319-335-7155

Full Address: The University of Iowa College of Dentistry 346 Dental Science N. Iowa City, IA 52242-1010

Internet Address: www.dentistry.uiowa.edu/ce E-mail: penni-ryan@uiowa.edu

4. How many courses, meetings or programs did your organization sponsor last year? 21

5. How many courses, meetings or programs do you anticipate sponsoring this year? 20

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
Home study (e.g. self assessment, reading, educational TV, internet courses)
Participation
Discussion
Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
Patient record keeping
Risk Management
Communication
OSHA regulations/Infection Control
Other:

#02628977 \$100

SPONSOR RECERTIFICATION APPLICATION

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IOWA DENTAL BOARD

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Phone (515) 281-5157 • www.dentalboard.iowa.gov

JUL 25 2012

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: UNMC College of Dentistry Continuing Education

Contact Person: Dr. MaryLynn Froeschle Phone: (402) 472-7993 Fax: (402) 472-5290

Address: 40th + Holdrege Lincoln, NE 68583-0740 E-mail: mlfroesc@unmc.edu

2. Name of Current Officers, Title, Address, Phone:

Dr. MaryLynn Froeschle, CE Director, PO Box 830740 Lincoln, NE, 68583-0740
(402) 472-7993

Connie Whitson, CE Coordinator, PO Box 830740 Lincoln, NE, 68583-0740
(402) 472-2611

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: MaryLynn Froeschle Phone: (402) 472-7993 Fax: (402) 472-5290

Full Address: PO Box 830740, 40th + Holdrege, Lincoln, NE 68583-0740

Internet Address: www.unmc.edu/dentistry/continuing-education.htm E-mail: codce@unmc.edu

4. How many courses, meetings or programs did your organization sponsor last year? 11

5. How many courses, meetings or programs do you anticipate sponsoring this year? 11

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#21323588 \$100

Dental Museum

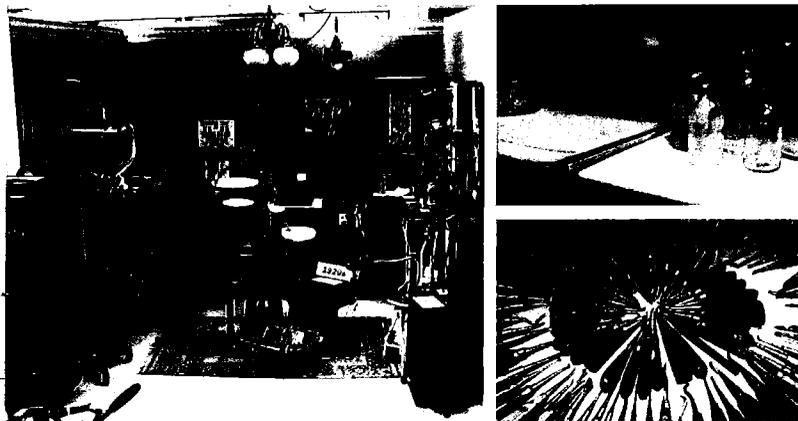
Open all week: September 20-25

HOURS

Monday, Tuesday, & Friday: 8:00 a.m.-5:00 p.m.

Wednesday & Thursday: 8:00 a.m.-9:00 p.m.

Saturday: 8:00 a.m. - 11:30 a.m.



Several historical offices from the 1850s to the 1930s are on display, including a laboratory from the early 1900s. Thousands of dental artifacts will also be on display at the College of Dentistry's Dental Museum. Dr. Stanton D. Harn, the museum's curator, will be available to answer your questions.

General Information for Continuing Education

Registration: Registration and payment are suggested for ALL courses two weeks prior to the course. If you have not registered, please call Extended Education to see if space is available.

We reserve the right to limit the number of participants and to cancel any course. Confirmation letters are generally sent two weeks prior to the course. If registration was sent at least two weeks prior to the course and no confirmation letter is received, please contact Extended Education to verify that your registration reached the office at (402) 472-2175 (locally) or call toll free 1-866-700-4747.

CE Credit/Record Keeping: CE attendance certificates will be provided only for those participants completing a CE verification card at the conclusion of the programs. CE credit hours will be adjusted as appropriate for actual attendance.

Cancellation: Participants canceling their registration will receive a refund minus a \$25 processing fee. Notice of cancellation must be made prior to the course. **NO REFUNDS WILL BE MADE AFTER THE COURSE BEGINS.**

Recognition: The University of Nebraska Medical Center College of Dentistry Office of Continuing Education is an ADA CERP recognized provider. The college is a member of the American Dental Education Association and the Association for Continuing Dental Education. Academy of General Dentistry credit is available.



UNIVERSITY OF NEBRASKA MEDICAL CENTER unmc.edu

Dental Reunion 2010

September 24 & 25, 2010

Lincoln, Nebraska

Continuing Education Pre-Game Festivities Big Red vs S. Dakota St. Tour the Dental Museum

The Dental Museum is back and will be open for tours during this year's Dental Reunion. And you won't want to miss seeing the new improvements to the College of Dentistry this year! See you in September!

**C.E. Registration: (402) 472-2175
or (866) 700-4747**

C.E. Coordinator/Info: (402) 472-2611

Hotel Reservation: (402) 474-1111

General Info: (402) 472-1344

www.unmc.edu/dentistry



Hotel Accommodations: A block of hotel rooms has been reserved for the College of Dentistry alumni on a first-come, first-served basis at the Embassy Suites, 10th & P Streets, (402) 474-1111. Rooms in this block are limited to a maximum of two rooms per registration. Please indicate that you are with the UNMC Dentistry Alumni when you are making your reservations.

College of Dentistry
Alumni Association
UNIVERSITY OF NEBRASKA MEDICAL CENTER

DENTAL REUNION 2010

ADDRESS SERVICE REQUESTED

40th and Holdrege
P.O. Box 830740
Lincoln, NE 68583-0740

COLLEGE OF DENTISTRY

UNIVERSITY OF
Nebraska
Medical Center



Registration

www.unmc.edu/dentistry
Follow the Link to Continuing Education
866-700-4747 • 8-5 CST

Name _____ Class Year _____
Address _____ Home Business
City/State/Zip _____
Daytime Phone _____ Home Business
E-mail _____
Name(s) of Guests/Staff and Events: _____

Friday, September 24	#	Cost	Subtotal
Continuing Education (3 CE hrs.)			
Dentists	___	x \$125 =	___
Auxiliary & Dental Hygiene	___	x \$80 =	___
Luncheon: Dr. Tom Osborne, University of Nebraska Athletic Director (No Charge for CE attendees)	___	x \$0 =	0
Luncheon Guests (Limited Seats Available)	___	x \$25 =	___
Dinner Banquet (Registration Required)	___	x \$40 =	___

Saturday, September 25			
Pre-game Festivities	___	x \$0 =	0
Football Tickets: NU vs SD State (Limit Two)*	___	x \$55 =	___

Credit Card Information

MasterCard Visa American Express

Total Charge

Credit Card # _____ Exp. Date _____

Signature _____ Date _____

***FOOTBALL TICKET ELIGIBILITY:** A limited number of tickets is available for the **South Dakota State** game. Randomly selected names of those who have requested tickets by the due date will be mailed confirmations on September 3. To be eligible for tickets you must 1) Return your ticket request no later than Friday, **August 27, 2010**; 2) Not currently have a season ticket to Nebraska football games; 3) Be a paid member of the **Nebraska Alumni Association**; and 4) Participate in both the CE seminar and the Friday banquet (CE participation may be waived for life members of the **UNMC COD Alumni Association or Nebraska Alumni Association**). Tickets are limited to two per family. Ticket allocation is by lottery. Priority is given to life members of the **UNMC COD Alumni Association and/or Nebraska Alumni Association**.

Make checks payable to **EXTENDED EDUCATION**. Return completed form to: Dental Alumni Reunion, c/o Extended Education, 900 N. 22nd Street, Lincoln, NE 68583-9101. Phone: Toll free at 1-866-700-4747 or locally, (402) 472-2175.

Schedule

Continuing Education,
Luncheon, & Dinner
Embassy Suites,
1040 P Street

Friday, September 24

8:00-8:30 a.m. Registration & Continental Breakfast
8:30-10:00 a.m. Continuing Education
10:00-10:15 a.m. Break
10:15-11:45 a.m. Continuing Education
12:15 p.m. Luncheon and Speaker: Dr. Tom Osborne,
University of Nebraska Athletic Director
2:30-4:30 p.m. Student-guided Tours of the College
5:00-6:00 p.m. Cocktail Hour (cash bar)
6:00-7:00 p.m. Dinner
7:00-8:00 p.m. Awards & Recognition

Honor Classes: 1950, 1955, 1960, 1970, 1980, 1985, 1990, 2000, & 2005. Commemorative pins will be presented to the classes of 1950, 1960, and 1985.

Saturday, September 25

Pre-game Festivities / Tour the College / Museum
College of Dentistry, 40th & Holdrege Streets

- Pre-game Festivities: 9:00 a.m. - 11:00 a.m.
- Student-guided Tours of the College of Dentistry
- Dental Museum is open to the public
- Van service is available from the Embassy Suites to the College of Dentistry and back to Embassy Suites during the tailgate festivities.
- Kickoff! Nebraska vs. South Dakota State at Memorial Stadium!

Please Note:

There will be no bus transportation provided to and from Memorial Stadium.

ADA C.E.R.P.[®] | Continuing Education Recognition Program

UNMC College of Dentistry is an ADA CERP recognized provider.

Continuing Education

Edward R. Kusek, DDS

Dental Lasers: From Fillings to Complex Surgical Procedures

Course Description: Using clinical photography and video presentations, this course will show how dental lasers can be used in treatment for dental caries removal; laser assisted periodontal therapy; removal of frenectomies, fibromas, mucoceals, and denture epulis; tissue troughing to aid in final impressions; tissue grafting (allograft, subepithelial, and xenograft); extraction of teeth; implant surgery, including sinus lifts, block grafts, decortication and detoxification of osteotomy sites; immediate implants into infected sites with maximum aesthetics; endodontics; and biostimulation.

Objectives: The clinician will gain a better understanding of how dental lasers can make traditional dentistry better for the dentist and patient, plus how they affect the target tissue (soft and hard). In addition, we will discuss the side effects of biostimulation on cells and how hydroaustics affects bacteria in osteotomy sites and dentinal tubules. In comparison with the traditional surgery, the clinician will also discover how lasers will allow a non-invasive approach.



About the Speaker: Born and raised in Omaha, Edward R. Kusek, DDS (1984) is a general dentist who is truly compassionate about continuing education, offering his patients the latest advancements in general dentistry. After graduation Dr. Kusek established his practice in Sioux Falls and has been serving the Sioux Falls area for over 25 years.

Dr. Kusek enjoys being knowledgeable in the field of restorative and implant dentistry; he began placing and restoring dental implants in 1987, and is continually advancing techniques to restore healthy, natural smiles. He holds the title of Diplomate of the American Board of Oral Implantology, one of approximately 300 worldwide. Dr. Kusek also holds several other higher levels of distinction including Fellow of the American Academy of Implant Dentistry, Mastership in the Academy of General Dentistry, Diplomate of the International Conference of Oral Implantologists, Mastership in the World of Clinical Laser Institute, Fellow in Academy of Laser Dentistry, and is an adjunct professor for the hygiene program at the University of South Dakota. Dr. Kusek is also a long time member of the American Dental Association, South Dakota Dental Association, and Southeastern Dental Society.

Credits: 3 hours pending in Nebraska

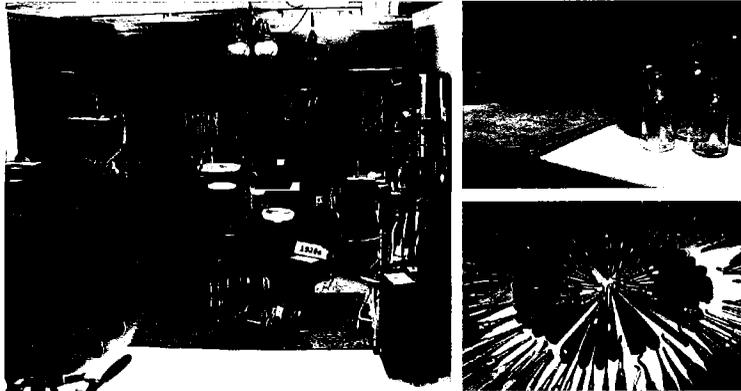
This event is sponsored by the UNMC College of Dentistry Alumni Association under the umbrella of the UNMC Alumni Association.

Dental Museum

Open all week: September 12-17

HOURS

Monday, Tuesday, & Friday: 8:00 a.m. - 5:00 p.m.
Wednesday & Thursday: 8:00 a.m. - 9:00 p.m.
Saturday: 8:00 a.m. - 12:00 p.m.



Several historical offices from the 1850s to the 1930s are on display, including a laboratory from the early 1900s. Thousands of dental artifacts will also be featured at the College of Dentistry's Dental Museum. Dr. Stanton D. Harn, the museum's curator, will be available to answer your questions.

General Information for Continuing Education

Registration: Registration and payment are suggested for ALL courses two weeks prior to the course. If you have not registered, please call Extended Education to see if space is available.

We reserve the right to limit the number of participants and to cancel any course. Confirmation letters are generally sent two weeks prior to the course. If registration was sent at least two weeks prior to the course and no confirmation letter is received, please contact Extended Education to verify that your registration reached the office at (402) 472-2175 (locally) or call toll free 1-866-700-4747.

CE Credit/Record Keeping: CE attendance certificates will be provided only for those participants completing a CE verification card at the conclusion of the programs. CE credit hours will be adjusted as appropriate for actual attendance.

Cancellation: Participants canceling their registration will receive a refund minus a \$25 processing fee. Notice of cancellation must be made prior to the course.
NO REFUNDS WILL BE MADE AFTER THE COURSE BEGINS.

Recognition: The University of Nebraska Medical Center College of Dentistry Office of Continuing Education is an ADA CERP recognized provider. The college is a member of the American Dental Education Association and the Association for Continuing Dental Education. Academy of General Dentistry credit is available.



UNIVERSITY OF NEBRASKA MEDICAL CENTER unmc.edu

Dental Reunion 2011

September 16 & 17, 2011
Lincoln, Nebraska

Continuing Education Pregame Festivities Big Red vs Washington Tour the Dental Museum

The Dental Museum will be open for tours during this year's Dental Reunion. You won't want to miss seeing the new improvements to the College of Dentistry this year! See you in September!

**C.E. Registration: (402) 472-2175
or (866) 700-4747**

C.E. Coordinator/Info: (402) 472-2611

Hotel Reservation: (402) 474-1111

General Info: (402) 472-1344

www.unmc.edu/dentistry



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College of Dentistry
Alumni Association
UNIVERSITY OF NEBRASKA MEDICAL CENTER

DENTAL REUNION 2011

UNIVERSITY OF
Nebraska
Medical Center
40th and Holdrege
P.O. Box 830740
Lincoln, NE 68583-0740

COLLEGE OF DENTISTRY

Registration

www.unmc.edu/dentistry
Follow the Link to Continuing Education
866-700-4747 • 8-5 CST

Name _____ Class Year _____
Address _____ Home Business
City/State/Zip _____
Daytime Phone _____ Home Business
E-mail _____
Name(s) of Guests/Staff and Events: _____

Friday, September 16

	#	Cost	Subtotal
Continuing Education (3 CE hrs.)			
Dentists	___	x \$125 =	___
Auxiliary & Dental Hygiene	___	x \$80 =	___
Luncheon: Matt Davison, Color Analyst Husker Sports Network (No Charge for CE attendees)	___	x \$0 =	0
Luncheon Guests (Limited Seats Available)	___	x \$25 =	___
Dinner Banquet (Registration Required)	___	x \$42 =	___

Saturday, September 17

Pre-game Festivities	___	x \$0 =	0
Football Tickets: NU vs Washington (Limit Two)*	___	x \$70 =	___

Credit Card Information

MasterCard Visa American Express **Total Charge**

Credit Card # _____ Exp. Date _____
Signature _____ Date _____

***FOOTBALL TICKET ELIGIBILITY:** There are a limited number of tickets available for the Nebraska versus Washington game. Randomly selected names of those who have requested tickets by the due date will be mailed confirmations on August 26. To be eligible for tickets you must 1) Return your ticket request no later than Friday, August 19, 2011; 2) Not currently have a season ticket to Nebraska football games; 3) Be a paid member of the Nebraska Alumni Association or UNMC COD Alumni Association; and 4) Participate in both the CE seminar and the Friday banquet (CE participation may be waived for life members of the Nebraska Alumni Association or UNMC COD Alumni Association). Tickets are limited to two per family. Ticket allocation is by lottery. Priority is given to life members of the UNMC COD Alumni Association and/or Nebraska Alumni Association.

Make checks payable to EXTENDED EDUCATION. Return completed form to: Dental Alumni Reunion, c/o Extended Education, 2100 Vine Street, Lincoln, NE 68588-8400. Phone: Toll free at 1-866-700-4747 or locally, (402) 472-2175.

Schedule

Continuing Education,
Luncheon, & Dinner
Embassy Suites,
1040 P Street

Friday, September 16

8:00-8:30 a.m. Registration & Continental Breakfast
8:30-10:00 a.m. Continuing Education
10:00-10:15 a.m. Break
10:15-11:45 a.m. Continuing Education
 12:15 p.m. Matt Davison, Color Analyst for the
 Husker Sports Network and President
 of the Creating Captains Foundation
2:30-4:30 p.m. Student-guided Tours of the College
5:00-6:00 p.m. Cocktail Hour (cash bar)
6:00-7:00 p.m. Dinner
7:00-8:00 p.m. Awards & Recognition

Honor Classes: 1951, 1956, 1961, 1971, 1981, 1986, 1991, 2001, & 2006. Commemorative pins will be presented to the classes of 1951, 1961, and 1986.

Saturday, September 17

Pregame Festivities / Tour the College / Museum
College of Dentistry, 40th & Holdrege Streets

- Pregame Festivities: 9:00 a.m. - 11:00 a.m.
- Student-guided tours of the College of Dentistry
- Dental Museum is open to the public
- Kickoff! Nebraska vs. Washington at Memorial Stadium!

Please note: There will be no bus or van transportation provided for any of the alumni homecoming reunion events.

ADA C.E.R.P.® | Continuing Education
Recognition Program

UNMC College of Dentistry is an ADA CERP recognized provider.

This event is sponsored by the
UNMC College of Dentistry Alumni Association
under the umbrella of the UNMC Alumni Association.

Continuing Education

Tegwyn H. Brickhouse, DDS, PhD
Amy Killeen, DDS, MS

Dental Pearls for Patients with Special Needs

Course Description & Objectives: This course will describe physical, mental, and behavioral challenges of special needs patients. In addition, it will examine management and treatment modalities for special needs patients, including preventive services (fluoride varnish) and restorative care. This course will discuss common oral health problems in patients with special needs and alternative strategies for care, covering passive immobilization, conscious sedation, and general anesthesia. Additionally, it will educate caregivers of patients with special needs on how to maintain oral health as an integral part of general health and well-being.



About the Speaker: Dr. Tegwyn Brickhouse joined the faculty at the Virginia Commonwealth University School of Dentistry in 2003 and is an associate professor and chair of the department of pediatric dentistry. She earned her dental degree from the University of Nebraska Medical Center and received her pediatric dentistry specialty training at the University of North Carolina at Chapel Hill. She also earned a Ph.D. in epidemiology at the UNC School of Public Health and completed a dental public health residency at the North Carolina Oral Health Section in Raleigh, NC.

Contemporary Periodontics: Treating and Maintaining Complex Periodontal Patients

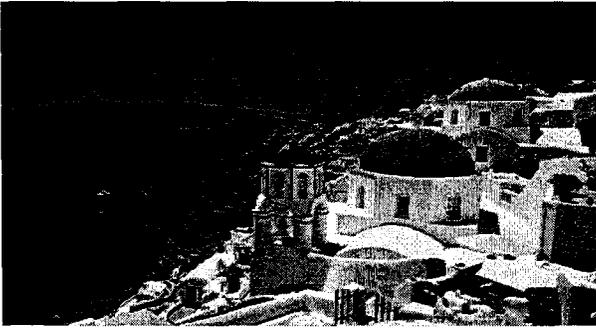
Course Description: Using clinical photography and up-to-date research, this course will discuss the latest treatment standards in contemporary periodontics. Both non-surgical and surgical treatments will be discussed, as well as the role of periodontal maintenance in improving the longevity of the natural dentition. Specific procedures that will be discussed include non-surgical therapy (scaling/root planing), local and systemic antibiotics, guided tissue regeneration, biologics, soft tissue grafting, and host-modulation therapies.

Objectives: The clinician (dentist and hygienist) will gain a better understanding of what current treatment options are available to the periodontal patient in both the general dentist's and specialist's office. In addition, emphasis will be placed on maintaining periodontal patients who have been successfully treated either surgically or non-surgically.



About the Speaker: Dr. Amy Killeen, born and raised in southern Missouri, received her D.D.S. degree (2006) as well as her certificate in periodontics (2010) and M.S. degree (2011) from the University of Nebraska Medical Center College of Dentistry. Dr. Killeen is a member of the American Academy of Periodontology, the Academy of Osseointegration and a Diplomate of the American Board of Periodontology. In addition to private practices in both Lincoln and Omaha, she is a clinical instructor in undergraduate and graduate periodontics at the College of Dentistry.

Medical Drugs/Dentistry, Pain Control/Analgesics, Use/Abuse of Antibiotics



Location: Mediterranean 10 day cruise aboard the Holland America ms Noordam
Friday, May 18—May 28, 2012
Course: 8:00am - 12:15 pm (15-min.break) 2:30pm - 4:30 pm
May 19, 2012 Medical Drugs and Dentistry (4 hrs)
May 19, 2012 Pain Control and Analgesics (2 hrs)
May 26, 2012 Pain Control and Analgesics (2 hrs)
May 26, 2012 Use and Abuse of Antibiotics (4 hrs)
Total CE Credit: 12 hours \$395

Medical Drugs and Dentistry

The course covers the recognition and identification of various medical drugs, their uses, actions and the diseases they are prescribed for. The course will cover drug interactions with dental therapy and/or dental drugs.

Course Objectives -

At the completion of this course, participants will be able to:

- Identify common medications taken by patients
- Categorize common medications by systemic use
- Understand common drug interactions

Pain Control and Analgesics

The course covers the physiologic and psychological basis of pain, evaluation of pain, pain medications, uses and indications. The course covers narcotics and non-narcotic pain management along with alternative methods of pain control.

Course Objectives

At the completion of this course participants will be able to evaluate the patient's level of pain; will know the pathophysiologic basis of pain; will know the indications and contraindications of analgesic usage; and will be able to provide pain control for their patients.

Use and Abuse of Antibiotics

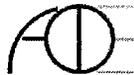
The course covers the micro-organism of dental infections, the available antibiotics, the suggestive use of antibiotics with an overview of each of the antibiotic classes and correlates with clinical dental cases involving various oral infections, bacterial, viral and fungal.

Course Objectives -

At the completion of this course, participants will be able to:

- Identify clinical criteria for initiating antibiotics
- Understand the risk/benefit of antibiotic use/abuse
- Identify specific selection criteria for antibiotics

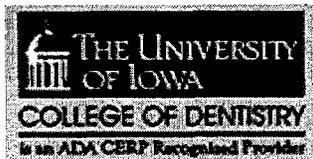
Dr. Gobetti is a former director and professor of undergraduate Oral Medicine / Oral diagnosis at the University of Michigan School of Dentistry. Dr. Gobetti obtained his D.D.S. degree and his M.S. degree in Oral Diagnosis and Radiology from the University of Michigan School of Dentistry. He is board certified in oral medicine since and a Fellow of The International College of Dentists.



Association for Continuing Dental Education



Co-sponsored by



Greek Isles Cruise

Holland America's *ms Noordam*

May 18 - 28, 2012

Begin your cruise in the enchanting city of Rome where we board the ship for ten wonderful days at sea . Our first stop is the walled city of Dubrovnik. Then we are off to the beautiful beaches of Corfu. Next, take a lap around the original Olympic track as we visit Katakolon. Beautiful white-washed houses of Santorini and black beaches await you in Thira. History comes to life in Athens as we climb to the top of the Acropolis. Last stop is the Cathedral and Porta Grazia in Messina before sailing back to Rome.

Arrive Depart

- Day 1 Rome/Civitavecchia 5:00pm
- Day 2 At Sea
- Day 3 Dubrovnik 8:00AM 6:00PM
- Day 4 Corfu 9:00AM 7:00PM
- Day 5 Katakolon 7:00AM 3:00PM
- Day 6 Thira 8:00AM 6:00PM
- Day 7 Kusadasi 7:00AM 6:30PM
- Day 8 Athens/Piraeus 9:00AM 6:00PM
- Day 9 At Sea
- Day 10 Messina 7:00AM 1:00PM
- Day 11 Rome/Civitavecchia



Cruise Prices Starting At:

- Inside Stateroom\$1,879
- Ocean View Stateroom.....\$2,199
- Verandah.....\$2,499
- 3rd and 4th in same stateroom \$799

Rates are per person based on double occupancy and subject to availability. Taxes, port charges and gratuities included.

Book Early – Space is Limited!

**For more information or to register call Jodi at Cruise and Travel Partners:
1-800-856-8826 or visit www.cruiseandtravelpartners.com**

Cruise and Travel Partners, LLC is a Florida Seller of Travel Registration No. ST35789





College of Dentistry Continuing Dental Education



Golf and Learn 2011 at Lochland Country Club, Hastings NE

Three Under Par
Friday, August 12th

Lochland Country Club
601 W. Lochland Rd
Hastings, Nebraska
Credits: 3 CE hrs
Registration: 7:30am
Course: 8:00am-11:30am
Costs:
CE only fee: \$135 Dentists,
\$75 Auxiliary—includes lunch
Golf Fee: \$75 -includes 18 holes,
cart , range balls
CE and Golf: \$175 Dentists,
\$125 Auxiliary
Course IDs:
DENT110010 CE only—Dentists
DENT110011 CE &Golf—Dentists
DENT110012 Golf only—All
DENT110013 CE only—Aux.
DENT110014 CE & Golf—Aux.
Speakers : Larry Baker MD, DDS.
Matthew Pershing DDS. Toby
Comer DDS (see website for more
information on speakers)

Instrument Separation
Dr. Toby Comer (1CEU)

This course will discuss the endodontic mishap of instrument separation.

Including:

- Causes for separation
- Prevention
- Patient communication
- Treatment options
- Techniques for retrieval

Third Molar Removal
Dr. Larry Baker (1CEU)

This course will focus on indications for third molar removal including clinical and radiographic evidence. Radiographic findings predicting more complex surgery will be shown. Medical and surgical circumstances resulting in delayed healing after third molar surgery will be discussed.

Orthodontics & Restorative:
Missing and worn teeth

Dr. Matthew Pershing (1CEU)

This course will focus on Orthodontic evaluation and the team approach to restoring the mutilated dentition. It involves case presentations including pretreatment and post restorative treatment examples. After this course the participants should be able to better:

- Identify cases suited for orthodontic assisted restorative.
- Comprehend the limitations of tooth movement.
- Understand the pros and cons of closing space vs. tooth replacement.

Teaching method: Lecture/discussion

Lochland Country Club: 601 W. Lochland Rd, Hastings, NE

For more information on courses or to register online
www.unmc.edu/dentistry
To register by phone please call toll free
1-866-700-4747 Ext.#4

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Radiology for Dental Auxiliary
December 12-13, 2011
April 30-May 1, 2012*
Location: COD, Lincoln and Gering
Instructor: Shawneen Gonzalez DDS, MS
Costs:\$300 /\$350 Gering
Course: 8am-5pm(CST) both days
Credits: 16 hr course
Course ID:
December : DENT110025 Lincoln
DENT110026 Gering
April: DENT110027 Lincoln
DENT110028 Gering
Participants must have over 200 hrs chair side experience to attend this course

Coronal Polishing for Dental Auxiliary
July 10-11, 2012 *
Location: COD, Lincoln and Gering
Instructor: Darlene Carritt, RDH
Costs: \$300Lincoln/\$350 Gering
Course: 8am-4pm(CST) both days
Credits: 14 hr course
Course ID:
Lincoln: DENT110029
Gering: DENT110030
Participants must have over 1500 hrs chair side experience to attend this course
Limited space available
*Tentative dates, please see website for final dates.

Both courses comply with the Statutes, Rules and Regulations approved by the NE State Board of Dental Examiners.

Come for the CE - Stay for Big Ten football!

Nebraska vs Ohio State Confidence with Implant Dentistry

Friday, October 7th, 2011
Location: College of Dentistry
Speaker: Edwin McGumphy DDS, Ohio State University
Credits: 3 CE hrs
Costs: \$120 Dentists, \$60 Aux.
Registration: 9:30am
Course: 10:00am-1:15pm
Course ID:
 DENT110015 Dentists
 DENT110016 Auxiliary
Speaker: Dr Edwin McGumphy is the Director, Ohio State Implant Prosthodontic Clinic, and Associate Professor, Section of Restorative and Prosthetic Dentistry, The Ohio State University College of Dentistry, Columbus, Ohio
Course description:
 The implant dentist and patient want the same things: restorations

that look good, done as quickly as possible and remaining trouble free over the long term. This program will address the treatment plans that have allowed these positive outcomes over the last 20 years and contrast them with those that have had less optimum outcomes. Likewise implant strength, anti-rotational features, torque control and occlusion unique to contemporary implant systems will be discussed. Particular emphasis will be given to practical applications of biomechanical principles to assure long term, successful implant restorations. Clinically relevant research conclusions on early and immediate loading will be highlighted. Guidelines regarding bone dimensions and implant numbers will be

addressed. Current controversies on wide and narrow diameter implants, bioactive surface coatings, immediate provisionals, splinting and screw vs. cement retention will be emphasized. Potential biomechanical and esthetic problem areas will be illustrated with clinical examples. Multiple solutions will be offered to help the experienced, and the non-experienced, dentist avoid esthetic or biomechanical failure after initial implant success.

Teaching Method: Lecture/discussion

This CE course is co-sponsored by The Ohio State University and the University of Nebraska. It will be held at UNMC College of Dentistry.

Nebraska vs Michigan State Aging Gracefully

Friday, October 28, 2011
Location: College of Dentistry
Speaker: Doreen Smeltzer RDH, MA
Credits: 3 CE hrs
Costs: \$120 Dentists, \$60 Aux.
Registration: 9:30am
Course: 10:00am-1:15pm
Course ID:
 DENT110017 Dentists
 DENT110018 Auxiliary
Speaker: Doreen Smeltzer is a clinical educator for DENTSPLY Professional, graduated from the

University of Pittsburg School of Dental Medicine in oral hygiene and has a master's degree in adult education from National Louis University. She is a dental hygiene consulting examiner for the North East Regional Board of Dental Examiners and presents educational programs both nationally and internationally.

University of Pittsburg School of Dental Medicine in oral hygiene and has a master's degree in adult education from National Louis University. She is a dental hygiene consulting examiner for the North East Regional Board of Dental Examiners and presents educational programs both nationally and internationally.

Course description: This course will cover the aging statistics that di-

Teaching Method: Lecture/discussion

DENTSPLY
PROFESSIONAL

Nebraska vs Iowa Management of the Immature Apex

Friday, November 25, 2011
Location: UNL Student Union
Speaker: William Johnson DDS
Credits: 2 CE hrs
Costs: \$80 Dentists, \$40Aux.
Course: 9:00am-11:00am **
Course ID:
 DENT110019 Dentists
 DENT110020 Auxiliary
Speaker: Dr. William Johnson received his DDS from the University of Iowa College of Dentistry in 1975 and his Certificate of Specialization in Endodontics and MS Degree in

1981. He is currently the Departmental Executive Officer. In 2006 Dr. Johnson was awarded the Richard E. Walton Endodontic Professorship by the University of Iowa Provost.

Course description: Endodontic treatment is a highly successful and predictable clinical procedure. However, managing the patient with pulp pathosis and immature apical development is challenging and less predictable. Vital pulp treatment, the

barrier technique, and regenerative/revascularization are contemporary treatment options that give the clinician treatment options with enhanced clinical outcomes. This presentation will review treatment techniques and options for teeth with pulp pathosis and incomplete root development using a case-based format.

Teaching Method: Lecture/discussion

**could change due to kick off time

Weeth Lecture 2012

Friday, January 6, 2012

Location: Ross Theater

Credits: 6 CE hrs

Costs: \$175 Dentists (\$150 if also attending *What's New*)

\$100 Auxiliary (\$75 if also attending *What's New*)

Lunch is not included.

Registration: 8:00am

Course: 8:30am-4:00pm

Course ID:

DENT110021 Dentist

DENT110022 Auxiliary



Speaker: Hal Crossley DDS is a professor emeritus at the University of Maryland Dental School in Baltimore. Dr. Crossley earned BS (1964), MS (1970) and PhD (1972) degrees in pharmacology from the University of Rhode Island. He earned his DDS degree in 1980 from the University of Maryland Dental School. Dr Crossley has co-authored a number of articles and four books dealing with a variety of topics within the field of pharmacology. Other areas of expertise include the pharmacology of street drugs and chemical dependency. He has been a consultant for the U.S. DEA and other law enforcement agencies since 1974. Drawing on his unique background, Dr. Crossley has become nationally and internationally recognized as an expert on street drugs and chemical dependency as well as the clinical pharmacology of dental drugs.

The Top 50 Most Prescribed Medications (8:30-11:45am)

Are there any medications used in my dental office that could adversely interact with drugs the patient is taking? This discussion includes the indications, contraindications, and side effects of the fifty most commonly prescribed medications. These medications represent 30% of all prescription medications taken by your dental patients. Familiarity with these drugs will provide the dental practitioner with a better appreciation for the health profile of today's dental patient.

Managing the Dental Patient in Pain (1:00-4:00pm)

How can I maximize the effectiveness of the traditional NSAIDs? Is it safe to prescribe the NSAIDs in patients with cardiovascular disease or who have been prescribed ACE inhibitors? What are the indications and contraindications for the use of opiate analgesics? How can I combine local anesthetics with analgesics to minimize post-operative pain? No area of oral therapeutics presents such diversity as the control of post-operative dental pain.

Teaching Method: Lecture/discussion

What's New 2012

Friday, February 17, 2012

Location: East Campus Union

Credits: 6CE hrs

Costs: \$175 Dentists (\$150 if also attending *Weeth*)
\$100 Auxiliary (\$75 if also attending *Weeth*)

Lunch is not included.

Registration: 8:00am

Course: 8:30am-4:00pm

Course ID:

DENT110023 Dentists

DENT110024 Auxiliary

Speakers: Drs. Fahd Alsalleeh, Matthew Byarlay and Nagamani Narayana, UNMC College of Dentistry faculty members.

Course Descriptions:

Clinical Applications of Endodontic Regeneration Fahd Alsalleeh BDS, PhD (1.5 CEU)

This course will discuss keeping the vital pulp alive and giving the dead one new life.

Course Objective:

- Discuss the use of Mineral Trioxide Aggregate (MTA) for Pulp Capping; When and how to do it; Evidence-based.
- Discuss the concept of Revascularization/Regeneration of Non-vital teeth with Chronic Periapical Periodontitis; Clinical cases.

Guided Bone Regeneration

Matthew Byarlay DDS, MS (1.5CEU)

This course will examine the many techniques and materials available today to augment bone prior to implant and restorative therapy.

Course Objectives:

- Review guided bone regeneration materials
- Discuss various surgical techniques to achieve augmentation
- Provide clinical examples for discussion

Differential Diagnosis of Common Oral Lesions

Nagamani Narayana DMD (3 CEU)

In a busy dental practice patients can present with a variety of oral symptoms. Sometimes a definitive diagnosis can be made solely from information gleaned from a proper clinical exam and health history, and sometimes additional tests are required. This seminar will discuss a range of oral diseases starting from the very common and proceeding to those which are intriguing, challenging and puzzling. At the end of the session you will be able to arrive at a list of differential diagnosis and management options for common conditions in day to day practice. This will enhance patient retention and augment your practice building strategies.

Teaching Method: Lecture/discussion





UNIVERSITY OF NEBRASKA MEDICAL CENTER unmc.edu

College of Dentistry
Continuing Education
40th and Holdrege Streets
PO Box 830740
Lincoln, NE 68583-0740
Phone: 402-472-2611
Fax: 402-472-5290
E-mail: codce@unmc.edu

Non Profit
US Postage
PAID
UNL

General Information

Registration:

Registration will close **10 days** prior to ALL course dates. Registration will not be processed until payment is received by Extended Education. After the registration deadline, please contact the CE office to see if space is available (402-472-2611).

We reserve the right to limit the number of participants and to cancel any course. Confirmation letters are generally sent two weeks prior to the course. If registration and payment were sent at least two weeks prior to the course and no confirmation letter is received, please contact Extended Education to verify that your registration reached the office (866) 700-4747 ext #4.

CE credits provided through
Nebraska and Iowa

Cancellations:

Participants cancelling their registrations will receive a refund minus a \$25 processing fee. Notice of cancellation must be made prior to the course by calling

Extended Education at (866) 700-4747 ext #4.

NO REFUNDS WILL BE MADE AFTER THE COURSE BEGINS.

Locations:

Lochland Golf course is located at 601 W. Lochland Rd, Hastings, NE. The College of Dentistry and East Campus Union are located at 40th and Holdrege Streets on UNL East Campus, UNL Student Union is located on main campus at 14th and R streets.

Mary Riepma Ross Theater is located at 313 N 13th St. in Lincoln.

UNMC West Division Dental Hygiene Program Site, Gering, NE.

Parking:

Parking is only complimentary for courses held on East Campus.

Recognition:

The University of Nebraska Medical Center
College of Dentistry Office of Continuing

Education is an ADA CERP Recognized Provider.

The College is a member of the American Dental Education Association and the Association for Continuing Dental Education. Academy of General Dentistry credit is available.

Questions:

UNMC
College of Dentistry
Continuing Education
Phone: 402-472-2611
E-mail: codce@unmc.edu

This newsletter will be the only printed CE material mailed out this academic year. For additional copies, please contact the CE office at 402-472-2611. For additional information on courses and speakers please visit www.unmc.edu/dentistry.

ADAC·E·R·P®
CONTINUING EDUCATION RECOGNITION PROGRAM



Continuing Education

UNMC College of Dentistry's Information for 2010-2011 Continuing Dental Education

Golf and Learn 2010: Topics in Pediatric Dentistry Infant Oral Health, Case Studies, Review of Current AAPD Policies

Friday, August 13, 2010
CE Credit: 3 CE hours

**Lied Lodge & Conference Center
Arbor Links, 2700 Sylvan Road,
Nebraska City, Nebraska**

**Scott Hamilton, DDS, &
Brent Johnson, DDS, MS**

Registration: 8:00 a.m.
Course: 8:30 a.m. - 11:45 a.m.

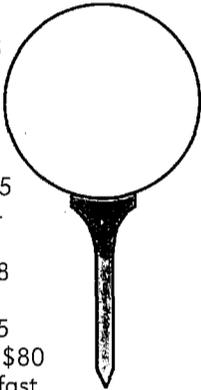
CE Course Only Fee: \$105
(includes continental breakfast and box lunch)

Golf Fee: \$120 (includes 18 holes, cart, and tax)

CE Course/Golf Fee: \$175

CE Course for Auxiliary: \$80
(includes continental breakfast and box lunch)

CE & Golf for Auxiliary: \$165



Course ID: DENT100010 (CE Only)
Course ID: DENT100011 (CE & Golf)
Course ID: DENT100012 (Golf Only)
Course ID: DENT100013 (CE for Auxiliary)
Course ID: DENT100014 (CE & Golf for Auxiliary)

Scott Hamilton, associate professor at the University of Nebraska College of Dentistry, received his DDS and certificate in pediatric dentistry from UNMC College of Dentistry. Dr. Hamilton is the interim program director of pediatric dentistry at UNMC COD and has a private practice.

Brent D. Johnson graduated from UNMC COD and earned a certificate in pediatric dentistry and master's degree in dentistry from Columbus (Ohio) Children's Hospital and Ohio State University. Dr. Johnson, a Diplomate of the American Board of Pediatric Dentistry, currently practices in Lincoln, Nebraska.

Course Description: This course will walk you through the steps in an oral health care program. Cases of interest from the pediatric dentistry program will be reviewed and participants are encouraged to discuss.

Educational Objectives: Upon completion of this course, participants will be able to:

- Understand infant oral health protocols and the rationale for age 1 dental visits.
- Perform age 1 dental visits in their offices
- Apply the current AAPD Policy statements and guidelines on topics such as SBE prophylaxis, asthma and other common childhood illnesses, pharmacology, and trauma to young patients.
- Recognize unique cases in pediatric dentistry from the residency program this year.

Teaching Method: Lecture/discussion.

Women's Health & Dental Management of the Pregnant Patient

Friday, October 15, 2010
Credits: 3 CE hours

Wendy S. Hupp, DMD

**UNMC College of Dentistry,
Lincoln, Nebraska**

Registration: 9:30 a.m.

Course: 10:00 a.m. - 1:15 p.m.

Course Fee: \$120 Dentists / \$60 Auxiliary

Course ID: DENT100020 (Dentists)

Course ID: DENT100021 (Auxiliary)

**Western Dakota Tech,
Rapid City, South Dakota**

Registration: 8:30 a.m.

Course: 9:00 a.m. - 12:15 p.m.

Course Fee: \$150 Dentists / \$75 Auxiliary

Course ID: DENT100022 (Dentists)

Course ID: DENT100023 (Auxiliary)

Registration Deadline: 4:00 p.m. October 1, 2010 (Minimum number of participants to transmit course).

Wendy Hupp, assistant professor of oral medicine at the University of Louisville

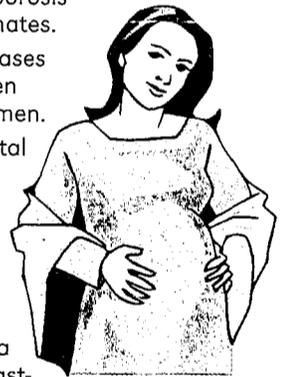
School of Dentistry, graduated from the University of Pennsylvania School of Dental Medicine, and received her residency training in oral diagnosis, oral medicine, and oral and maxillofacial radiology at Naval Postgraduate Dental School in Bethesda, Maryland.

Dr. Hupp, a Diplomate of the American Board of Oral Medicine, lectures nationally on the treatment of medically complex patients, pharmacology, HIV/AIDS, clinical oral pathology, and women's health. Her most recent publications include the management of oral piercings, dental management of cancer patients, laboratory medicine for dentists, and women's health.

Course Description: This course will focus on women's health including osteoporosis and bisphosphonate-associated osteonecrosis, as well as the dental management of the pregnant or breast feeding patient.

Educational Objectives: Upon completion of this course, participants will be able to:

- Understand current dental treatment regarding osteoporosis and bisphosphonates.
- Understand diseases that affect women differently from men.
- Manage the dental treatment of a pregnant or breast-feeding patient.
- Choose the appropriate medications for a pregnant or breast-feeding patient.
- Recognize the oral changes related to pregnancy.
- Recognize the need for medical consultation and referral related to all of the above, and ask for the appropriate information from physicians.



Teaching Method: Lecture/discussion.

Battling Biofilm: Leverage the Power of Ultrasonics

Friday, November 12, 2010

Credits: 3 CE hours

Doreen Smeltzer, RDH, MA Ed
Sponsored by Dentsply

UNMC College of Dentistry,
Lincoln, Nebraska

Registration: 9:30 a.m.

Course: 10:00 a.m. - 1:15 p.m.

Course Fee:

\$120 Dentists,
\$60 Auxiliary

Course ID:
DENT100030
(Dentists)

Course ID:
DENT100031 (Auxiliary)

Western Dakota Tech,
Rapid City, South Dakota

Registration: 8:30 a.m.

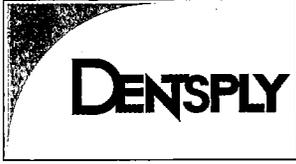
Course: 9:00 a.m. - 12:15 p.m.

Course Fee: \$150 Dentists, \$75 Auxiliary

Course ID: DENT100032 (Dentists)

Course ID: DENT100033 (Auxiliary)

Registration Deadline: 4:00 p.m., Nov. 1,
2010 (Minimum number of participants to
transmit course.)



Doreen Smeltzer, clinical educator for DENTSPLY Professional, graduated from the University of Pittsburgh School of Dental Medicine in oral hygiene and has a master's degree in adult education from National Louis University. She is a dental hygiene consulting examiner for the North East Regional Board of Dental Examiners and presents educational programs both nationally and internationally.

Course Description: This course is based on the current scientific literature and evidenced-based strategies to provide clinicians practical guidelines regarding the use of ultrasonic instrumentation. Ultrasonic instrumentation techniques will be covered extensively following the dental hygiene process of care. Patient cases demonstrating successful treatment with ultrasonic instrumentation will be shared.



Educational Objectives: Upon completion of this course, participants will be able to:

- Differentiate advantages/limitations of the various technologies which drive power scaling units.
- Compare/ contrast effectiveness, efficiency, and ergonomics of instrumentation techniques.
- Describe technology and define key terminology of ultrasonics.
- Identify/assess pretreatment considerations: medical history and indications/contraindications.
- Identify modifying factors which influence/change instrumentation protocols.
- List criteria for the appropriate selection of ultrasonic inserts, both standard and modified.
- Demonstrate the correct technique for utilization of the ultrasonic scaler.
- Implement ultrasonic instrumentation to facilitate thorough periodontal debridement and enhance clinical outcomes.

Teaching Method: Lecture/discussion

Radiology for Dental Auxiliary

Thursday & Friday, Dec. 16-17, 2010

Monday & Tuesday, May 2-3, 2011

Credits: 16 CE hours

Shawneen Gonzalez, DDS, MS

UNMC College of Dentistry,
Lincoln, Nebraska

Registration: 7:45 a.m.

Course: 8:00 a.m. - 5:00 p.m. both days

Lunch: 12:00 - 12:30 p.m. (provided)

Course Fee: \$300 (Dental auxiliary only.)

Course ID for Dec. 2010: DENT100040

Course ID for May 2011: DENT100080

Gering, Nebraska, via telecast

Registration: 6:45 a.m.

Course: 7:00 a.m. - 4:00 p.m. both days

Lunch: 11:00 - 11:30 p.m. (provided)

Course Fee: \$350 (Dental auxiliary only)

Course ID for Dec. 2010: DENT100041

Course ID for May 2011: DENT100081

(Minimum number of participants to
transmit course.)

Shawneen Gonzalez, assistant professor
in the department of oral biology and
director of the oral radiology clinic at the

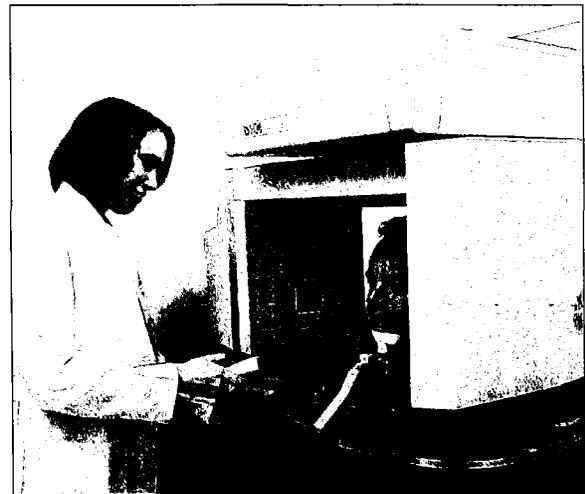
UNMC College of Dentistry, obtained her DDS from the University of Washington School of Dentistry and her oral and maxillofacial radiology certificate and MS (stomatology) at the University of Iowa College of Dentistry. She is a member of the American Academy of Oral and Maxillofacial Radiology.

Course Description: This course complies with the statutes, rules, and regulations approved by the Nebraska State Board of Dental Examiners.

Educational Objectives:

Upon completion of this course,
participants will be able to:

- Recognize the geometric relationships of the radiation source, film and anatomical structures.
- Identify the specific teeth and other structures that should be recorded in each acceptable periapical and bitewing radiograph.
- Identify basic anatomic landmarks for identifying radiographs.



- Apply the image shift principles.
- Evaluate intraoral radiographs.

Teaching Method: Lecture/discussion,
mannequin clinical participation.

Participants must have over 200 hours
chair side experience to attend this course.

Course limited to 12 participants.

2011 Weeth Lecture: Minimally Invasive Contemporary Pediatric Dentistry

Friday, January 7, 2011

Credits: 6 CE hours

Kevin J. Donly, DDS, MS

Sponsored by Proctor and Gamble

Mary Riepma
Ross Theater,
Lincoln,
Nebraska



Registration:
8:00 a.m.

Course: 8:30 a.m. - 4:00 p.m.

Course Fee: \$175 Dentists (\$150 if also attending *What's New.*)

Course Fee: \$100 Auxiliary (\$75 if also attending *What's New.*)

Lunch is not included.

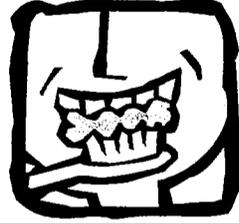
Course ID: DENT100060 (Dentists)

Course ID: DENT100061 (Auxiliary)

Kevin Donly, professor, chair, and postdoctoral program director in the department of pediatric dentistry and professor in the department of pediatrics at the University of Texas Health Science Center at San Antonio, received his DDS, certificate in pediatric dentistry, and MS from the University of Iowa. He has published over 300 chapters, manuscripts, and received grants or research support from the 3M,

ESPE, Premier, Bisco, GC, Dentsply, Ivoclar, Kerr, Procter and Gamble, Church and Dwight, Optiva, Oral-B, Enamelon, Aatrix Laboratories, Inc., and Guidor companies.

Course Description: This course will discuss the early diagnosis of tooth demineralization, focusing on the use of quantitative light fluorescence (QLF). Intervention with fluoride (including fluoride varnish), glass ionomer surface protectants, sealants. Minimally invasive products and procedures will also be presented.



The history and formulation of glass ionomer cements and their development through the contemporary photopolymerized glass ionomers will be discussed. The use of composite resins in pediatric dentistry will be reviewed, including the concept of using hybrid, flowable and condensable composite resins. The explanation of why the esthetic enamel microabrasion technique is effective and how to explain this to patients and parents will be discussed.

Educational Objectives: Upon completion of this course, participants will be able to:

- Be exposed to early diagnosis of enamel demineralization and understand preventive regimens.
- Understand pediatric dentistry standards of care using risk assessment in decision-making.
- Understand the clinical utilization of traditional, photopolymerized glass ionomer cements and compomers, including indications and contraindications.
- Be exposed to the newer commercially available composite resins, understand their mechanism of action and visualize clinical utilization of these materials.
- Understand properties of fluoride-releasing restorative materials marketed today.
- Understand the mechanism of action for microabrasion and its case selection and treatment, safety and effectiveness of bleaching alone and in conjunction with microabrasion.

Teaching Method: Lecture/discussion.

What's New in Dentistry 2011: Stick to It – Predictable, Durable Adhesion in Esthetic Restorative Dentistry

Friday, February 25, 2011

Credits: 6 CE hours

Edmond R. Hewlett, DDS

Sponsored by GC America

Nebraska
East Union,
Lincoln,
Nebraska



Registration:
8:00 a.m.

Course: 8:30 a.m. - 4:00 p.m.

Course Fee: \$175 Dentists (\$150 if also attending *Weeth Lecture.*)

Course Fee: \$100 Auxiliary (\$75 if also attending *Weeth Lecture.*)

Lunch is not included.

Course ID: DENT100070 (Dentists)

Course ID: DENT100071 (Auxiliary)

Ed Hewlett received his DDS degree and certificate in prosthodontics from the UCLA School of Dentistry. Dr. Hewlett teaches esthetic dentistry at UCLA, has published numerous articles, and has lectured on adhesive restorative dentistry materials and techniques both nationally and internationally. He maintains a private practice at the UCLA Faculty Group Dental Practice.

Course Description: Esthetic restorative materials available to dentists are diverse and widely applicable to common clinical situations. Clinical success of these materials is critically dependent upon the tooth-restoration interface being continuous, tenacious, and durable. Numerous variables (substrates, products, techniques) challenge our ability to consistently and predictably establish this interface. This presentation distills the best currently

available evidence on resin-tooth adhesion into sound, practical tips for selecting and utilizing today's materials to overcome variables and achieve optimal results with adhesive dentistry.

Educational Objectives: Upon completion of this course, participants will be able to:

- Understand the fundamentals of resin adhesion to tooth structure and the commonly-encountered clinical variables which can produce sub-optimal adhesion.
- Reduced confusion when selecting from the vast array of adhesive dental materials.
- Improved clinical results through better understanding of material properties, interactions, and limitations.

Teaching Method: Lecture/discussion.

Continuing Education
40th & Holdrege Streets
P.O. Box 830740
Lincoln NE 68583-0740

Coronal Polishing for Dental Auxiliary

Wed. & Thursday, Dec. 15-16, 2010
Tues. & Wednesday, July 12-13, 2011

Credits: 14 CE hours

Darlene Carritt, RDH, BSDH

College of Dentistry, Lincoln, Nebraska

Registration: 7:45 a.m.

Course: 8:00 a.m. - 5:00 p.m. both days

Lunch: 12:00 - 12:30 p.m. (provided)

Course Fee: \$300 (Dental auxiliary only)

Course ID for December: DENT100050

Course ID for July 2011: DENT100090

Gering, Nebraska, via telecast

Registration: 6:45 a.m.

Course: 7:00 a.m. - 4:00 p.m. (Both days)

Lunch: 11:00 - 11:30 p.m. (provided)

Course Fee: \$350 (Dental auxiliary only)

Course ID for in Dec.: DENT100051

Course ID for in July: DENT100091

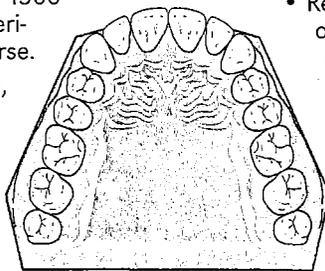
(Minimum number of participants to transmit course.)

Participants must have 1500 hours of chair-side experience to attend this course.

Darlene Carritt, RDH, BSDH, is a dental hygiene graduate and a part-time instructor at the college, and practices clinical dental hygiene. She has served as a member of the Nebraska Board of Dental Examiners and a dental hygiene examiner and coordinator for Central Regional Dental Testing Service.

Course Description: A board approved professional techniques course on coronal polishing including didactic instruction and clinical participation for the dental auxiliary.

Course Objectives: Upon completion of this course, participants will be able to:



- Recognize dental anatomy and physiology of the hard and soft tissues of the deciduous and permanent oral facial complex.
- Understand the correct management of the hard/soft tissues during coronal polishing procedures.
- Know appropriate patient and operator positions.
- Identify universal precautions and infection control.
- Perform laboratory exercises utilizing manikins or extracted teeth.
- Apply indications and contraindications for coronal polishing, armamentarium, and principles of polishing agents.

Teaching Method: Didactic instruction /clinical participation

General Information & Registration: Call toll free 1-866-700-4747 or online at www.unmc.edu/dentistry.

Please register at least two weeks in advance to facilitate course planning and preparation. Registration will not be processed until payment is received by **Extended Education**. Confirmation letters are generally sent seven to ten days prior to a course.

If registration and payment were sent at least two weeks prior to the course and no confirmation letter is received, please contact **Extended Education** to verify that your registration reached the office (402) 472-2175.

CE credits provided through Nebraska and Iowa.

Cancellation: Participants cancelling their registrations will receive a refund minus a \$25 processing fee. Notice of

cancellation must be made prior to the course.

NO REFUNDS WILL BE MADE AFTER COURSE BEGINS.

CE Credit/Record Keeping: CE attendance certificates will be provided only for those participants completing a CE verification card at the conclusion of the programs. CE credit hours will be adjusted as appropriate for actual attendance.

Locations:

UNMC College of Dentistry, 40th and Holdrege Streets, UN-L's East Campus, Lincoln, Nebr., with complimentary parking for courses on East Campus.

Mary Riepma Ross Theater, 313 N. 13th St., UN-L City Campus, Lincoln, Nebr.

UNMC West Division Dental Hygiene Program site, Gering, Nebr.

Western Dakota Tech, 800 Mickelson Drive, Rapid City, S.D.

Recognition: The University of Nebraska Medical Center College of Dentistry Office of Continuing Education is an ADA CERP Recognized Provider, plus a member of the American Dental Education Association and the Association for Continuing Dental Education. Academy of General Dentistry credit is available. We reserve the right to limit the number of participants and to cancel any course.

Questions: 402-472-2611, 402-472-5290 (fax), CODCE@unmc.edu.

ADA CERP® Continuing Education Recognition Program

SPONSOR RECERTIFICATION APPLICATION

JUL 16 REC'D

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

IOWA DENTAL BOARD

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Western Iowa Tech Community College

Contact Person: Don Young Phone: (712) 274-8733 Fax: (712) 274-6448

Address: 4647 Stone Ave. Sioux City, Ia 51102 E-mail: don.young@witcc.edu

2. Name of Current Officers, Title, Address, Phone:

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Don Young Phone: (712) 274-8733 Fax: (712) 274-6448

Full Address: 4647 Stone Ave Sioux City, IA 51102-5199

Internet Address: witcc.com E-mail: don.young@witcc.edu

4. How many courses, meetings or programs did your organization sponsor last year? 87

5. How many courses, meetings or programs do you anticipate sponsoring this year? 87

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: _____

#0374534 \$100

8. List all educational programs or courses conducted during the preceding 24-month compliance period. If additional space is needed, please attach a separate listing.

Date	Course Title	Instructor	Location	# Hours
July 1, 2011 - June 30, 2012	Infection Control Update	Joni Miller	Online	2.0
July 1, 2011 - June 30, 2012	Radiography Update	Joni Miller	Online	2.0
July 1, 2011 - June 30, 2012	Infection Control Review	Joni Miller	witcc	2.0
July 1, 2011 - June 30, 2012	Radiography Review	Joni Miller	witcc	2.0
8/22/11 - 10/27/11		Kathy Pierce	Online	
1/16/12 - 5/17/12	RDA Expanded Functions I	Joni Miller	witcc	32.0
8/22/11 - 12/16/11			Online	
1/18/12 - 5/14/12	RDA Nitrous Oxide Monitoring	Joni Miller	witcc	32.0
8/22/11 - 10/27/11		Kathy Pierce	Online	
1/16/12 - 5/17/12	RDA Expanded Functions II	Joni Miller	witcc	32.0

Sponsors must be formally organized and adhere to board rules for planning and providing continuing education. When courses are promoted as approved continuing education courses that do not meet the requirements as defined by the board, the sponsor will be required to refund the registration fee to participants. Sponsors may offer non-credit courses provided participants are informed that no credit will be given. Failure to meet this requirement may result in loss of approved sponsor status. Subjects, which are NOT acceptable for continuing education credit include, but are not limited to: personal development, business aspects of practice, personnel management, government regulations, insurance, collective bargaining, and community service presentations.

I understand and agree to follow the board rules for planning and providing continuing education.

Name of person completing this application: Don Young

Address: 4647 Stone Ave Sioux City, IA 51102 Phone: (712) 274-8733

Signature 

Date 7/10/12

Please note: The biennial renewal fee of \$100 must accompany this Recertification Application.

RETURN TO:
 IOWA DENTAL BOARD
 ADVISORY COMMITTEE ON CONTINUING EDUCATION
 400 S.W. 8th Street, Suite D
 Des Moines, IA 50309-4687

SPONSOR RECERTIFICATION APPLICATION

SEP 11 REC'D

IOWA DENTAL BOARD

400 S.W. 8th St, Suite D • Des Moines, IA 50309-4687
Phone (515) 281-5157 • www.dentalboard.iowa.gov

All board-approved sponsors of continuing education must submit a sponsor re-certification record biennially and pay the biennial renewal fee of \$100. Please complete this application and return it to the Board office by August 31.

1. Official Name of Sponsor Group: Zila

Contact Person: Jennifer Hunt Phone: 970.212.5884 Fax: 970.449-4461

Address: 701 Centre Ave. Ft. Collins, CO 80526 E-mail: jhunt@zila.com

2. Name of Current Officers, Title, Address, Phone:

David Speights, CEO, 701 Centre Ave, Ft. Collins, CO (970.212.4500)

3. Please provide contact information below. The name you provide will be posted as the contact person for your organization on the board's website.

Name: Jennifer Hunt Phone: 970.212.5884 Fax: 970.449-4461

Full Address: 701 Centre Ave, Ft. Collins, CO 80526

Internet Address: www.zila.com E-mail: jhunt@zila.com

4. How many courses, meetings or programs did your organization sponsor last year? 0

5. How many courses, meetings or programs do you anticipate sponsoring this year? 2

6. Which of the following educational methods does your organization use? Please check all applicable.

- Lectures
- Home study (e.g. self assessment, reading, educational TV, internet courses)
- Participation
- Discussion
- Demonstration

7. Course Subjects Offered: (check all applicable)

- Related to clinical practice
- Patient record keeping
- Risk Management
- Communication
- OSHA regulations/Infection Control
- Other: Soft tissue Management / Periodontal Disease

#84329 \$100

