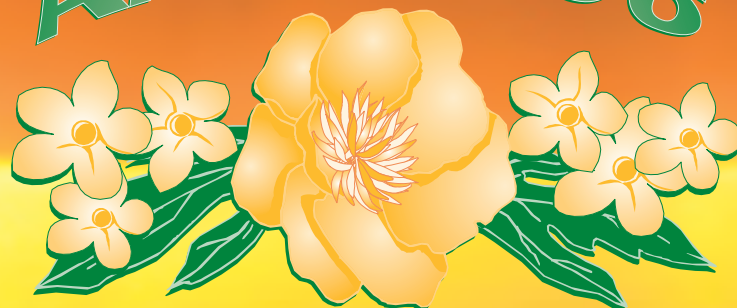




AAE 2006



ANNUAL SESSION

Honolulu Hawaii • March 29 - April 1

Raising the Bar

Elevating the Standard
of Endodontic Care

Program



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Pili iā Kākou (Join Us)...

Raising the Bar

Elevating the Standard of Endodontic Care

Education

- More than 70 educational sessions provide over 125 hours of endodontic-related continuing education opportunities
- Each educational track features the top experts in that arena
- Learn essential tips that you can implement into your practice or curricula

Relaxation

- Come early and stay late with the pre- and post-meeting hotel discounts at the Hilton Waikoloa Village on the Big Island
- Take advantage of the excellent optional tour packages and the discount available at the Hilton Hawaiian Village's Mandara Spa

Meeting Your Needs

- Each day starts early and ends early with all educational sessions and exhibits completed by mid-afternoon
- Ample time is provided in this schedule to network with your colleagues in both learning and social situations
- One-stop shopping in an exhibit hall full of companies offering the latest in endodontic products and services

Register now to be a part of the 2006 Annual Session!

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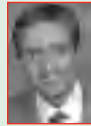
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Aloha Kākou (Dear Colleagues),

On behalf of the Board of Directors and the 2006 Annual Session Planning Committee, we would like to invite you to join us in paradise for a continuing education opportunity like no other. This spring, the Hawaiian island of Oahu will host the 2006 AAE Annual Session, *Raising the Bar—Elevating the Standard of Endodontic Care*, which will present the most comprehensive curriculum ever assembled for the entire endodontic team.

The pages that follow overflow with valuable information about the educational program, as well as the social opportunities that will make this four-day excursion a priceless learning experience and a lot of fun! Attendees will again have the option of focusing on one interest area within the track format, which covers subjects that are of critical significance to the specialty, including digital imaging, endodontic differential diagnosis, implantology, nonsurgical root canal treatment, practice management, auxiliary topics and submitted presentations. Many of the special events have been arranged to accommodate an abbreviated island schedule, maximizing time spent with family and friends at the meeting and beyond.

This year, the meeting gets off to a quick start on Wednesday, with new educational offerings and exciting special events. The eight prominent speakers for the Pre-Session Symposium will provide participants with tools to apply new technology research outcomes within their practice. This all-day program and select sessions in the nonsurgical root canal treatment track will be simultaneously translated into Japanese, Korean and Portuguese. The day will also offer two hands-on workshops on implantology and microsurgery, a golf outing at the Honolulu Country Club, and Welcome to Honolulu, combining the ever-popular Welcome Reception and *Celebrate Honolulu!*, for an evening to remember.

While getting the most out of the meeting schedule and resort setting, a good breakfast will be key to starting each day. The Opening Session, Edgar D. Coolidge and General Assembly events are all scheduled for the breakfast hour on Thursday, Friday and Saturday. The Louis I. Grossman Memorial will retain a luncheon format on Thursday, and the President's Dinner Dance, moved to Friday evening, will draw from the rich Hawaiian setting. The exhibit hall will be open Thursday through Saturday, featuring the finest in endodontic products and services, while family-friendly tour options, ranging from a visit to the battleship memorials at Pearl Harbor to a refreshing waterfall hike, will supplement meeting offerings daily.

We have only begun to scratch the surface of all that will be available during your stay in Honolulu. Be sure to bring this program with you—this year, all of the meeting information, from room assignments to schedule details, is included in this book. A special on-site meeting guide will be provided with your registration materials to present any schedule changes or additions that may take place.

See you there—Aia ho'i!

Sincerely,



Marc Balson

Marc Balson, D.D.S.
President



Jeffrey W. Hutter

Jeffrey W. Hutter, D.M.D., M.Ed.
General Chair, 2006 Annual Session
Committee



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Schedule At-A-Glance

Location Key: HHV = Hilton Hawaiian Village, HCC = Hawaii Convention Center

Please refer to the Educational Sessions portion of this program for session room assignments. All optional tours and activities depart from the Tapa Tower bus depot at the Hilton Hawaiian Village.

Tuesday, March 28

4 – 8 p.m. Registration and Information
Lobby/HCC

Wednesday, March 29

6 a.m. – 3 p.m. Registration and Information
Lobby/HCC

6 – 7 a.m. Pre-Session Symposium/Hands-On
Workshops Continental Breakfast
Kalakaua Ballroom Foyer/HCC

7 a.m. Golf Outing
Departs Tapa Tower bus depot/HHV

7 a.m. – 3 p.m. Arizona and Battleship Missouri
Memorials Tour*

7 a.m. – 4 p.m. Pre-Session Symposium/Hands-On
Workshops
HCC

8 a.m. – 1:30 p.m. Sailing and Snorkeling Tour*

12:30 – 3:30 p.m. Honolulu Highlights Tour*

7 p.m. – midnight Welcome to Honolulu
7:30 - 9:30 p.m.: Ilima Lawn
(adjacent to the Hilton)
10 p.m. - midnight: Tapa
Ballroom/HHV

Thursday, March 30

6 a.m. – 2 p.m. Registration and Information
Lobby/HCC

7 – 9 a.m. Opening Session Breakfast
Kalakaua Ballroom/HCC

7:30 a.m. – 4 p.m. Circle Island Tour*

9 – 9:45 a.m. District Caucuses
HCC

I - Room 314

II - Room 315

III - Room 316 C

IV - Room 318

V - Room 323 C

VI - Room 324

VII - Room 325

9 a.m. – noon Homes and Gardens Tour*

9 a.m. – 2 p.m. Exhibits/A&E Oasis Open
Exhibit Halls II-III/HCC

9:45 – 10:15 a.m. Affiliate Leadership Meeting
Room 318/HCC

10:30 a.m. – noon Educational Sessions and Oral
Research Presentations
HCC

10:30 a.m. – 2 p.m. Poster Research Presentations
and Table Clinics
Exhibit Halls II-III/HCC

10:30 a.m. – 2:30 p.m. 'Iolani Palace Grand Tour*

11:30 a.m. – 1 p.m. Cash 'n Carry Lunch
Exhibit Halls II-III/HCC

Noon – 1:30 p.m. Louis I. Grossman Memorial
Luncheon
Room 311/HCC

12:30 – 2 p.m. Educational Sessions and
Oral Research Presentations
HCC

4:30 – 8 p.m. Sunset Dinner Cruise*

Schedule At-A-Glance

Friday, March 31

6 a.m.	Fun Run Departs Kalia Tower/HCC
6:30 a.m. – 2:30 p.m.	Registration and Information Lobby/HCC
7 – 8:30 a.m.	Edgar D. Coolidge Breakfast Kalakaua Ballroom/HCC
7 a.m. – 3 p.m.	Arizona and Battleship Missouri Memorials Tour*
7:30 a.m. – 4 p.m.	Circle Island Tour*
8 a.m. – noon	Hawaiian Waterfall Hike*
8 a.m. – 2 p.m.	Exhibits/AAE Oasis Open Exhibit Halls II-III/HCC
8:45 – 10:15 a.m.	Educational Sessions and Oral Research Presentations HCC
9 a.m. – noon	Homes and Gardens Tour*
10:15 – 10:30 a.m.	Networking Break Exhibit Halls II-III/HCC
10:30 a.m. – 2 p.m.	Poster Research Presentations and Table Clinics Exhibit Halls II-III/HCC
10:30 a.m. – noon	Educational Sessions and Oral Research Presentations HCC
Noon – 1:30 p.m.	Cash 'n Carry Lunch Exhibit Halls II-III/HCC
12:45 – 2:15 p.m.	Educational Sessions and Oral Research Presentations HCC
7 – 8 p.m.	Pre-Dinner Reception Coral Ballroom Foyer/HHV
8 p.m. – midnight	President's Dinner Dance Coral Ballroom/HHV

Saturday, April 1

6 – 8:30 a.m.	Diamond Head Crater Climb*
6:30 a.m. – 2:30 p.m.	Registration and Information HCC
7 – 8:30 a.m.	General Assembly Breakfast Kalakaua Ballroom/HCC
7 a.m. – 7 p.m.	One-Day Volcano Tour*
8 a.m. – 2 p.m.	Exhibits/AAE Oasis Open Exhibit Halls II-III/HCC
9 – 10:30 a.m.	Educational Sessions HCC
10 a.m. – 2 p.m.	The Hole-In-The-Wall Eating Tour*
10:30 – 10:45 a.m.	Networking Break Exhibit Halls II-III/HCC
10:45 a.m. – 12:15 p.m.	Educational Sessions HCC
11:15 a.m. – 3 p.m.	Whale Watch Cruise*
11:30 a.m. – 1 p.m.	Cash 'n Carry Lunch Exhibit Halls II-III/HCC
1 – 2:30 p.m.	Educational Sessions HCC

*Optional Tour

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Hands-On Workshops

For a complete workshop synopsis, please refer to the page numbers denoted below. Early registration is encouraged as attendance is limited.

To participate in any of these hands-on workshops, you must be registered for the Annual Session and pay the additional workshop fee. Registrations will be accepted via the AAE Web site, or by facsimile (please refer to the registration form), on a first-come, first-served basis, in the order in which they are date/time stamped. Therefore, registrations received via mail for any workshop will not be processed. Your annual session confirmation will reflect whether or not your registration has been accepted.

Wednesday, March 29

7 a.m. – 4 p.m.

SP-10: Endodontic Microsurgery

Richard A. Rubinstein, D.D.S., M.S.

Track: Submitted Presentations

Fee: \$745 early/\$795 standard (includes continental breakfast and lunch)

See page 19 for a complete session synopsis.

7:30 a.m. – 3:30 p.m.

I-10: Understanding and Applying the Keys to Implant Therapy

Stephen D. Campbell, D.M.D., M.S.

Kent L. Knoernschild, D.M.D., M.S.

Track: Implantology

Fee: \$350 early/\$400 standard (includes continental breakfast and lunch)

See page 19 for a complete session synopsis.

Thursday, March 30

10:30 a.m. – 2 p.m.

IG-100: Microscope Photography

Eric J. Herbranson, D.D.S., M.S.

Track: Imaging

Fee: \$250 early/\$300 standard

See page 21 for a complete session synopsis.

On-site registration will not be available for this course.

Friday, March 31

8:45 a.m. – noon

NS-200: Endodontic Retreatment

Frederic Barnett, D.M.D.

Gilberto J. Debelian, D.M.D., Ph.D.

Track: Nonsurgical

Fee: \$400 early/\$450 standard

See page 30 for a complete session synopsis.

SP-202: Root Canals and Reporters: Media Training for Endodontists

Heidi Umbhau

Track: Submitted Presentations

Fee: \$100 early/\$150 standard

See page 32 for a complete session synopsis.

12:45 – 2:15 p.m.

SP-203: MTA Delivery

Edward S. Lee, D.D.S.

Track: Submitted Presentations

Fee: \$150 early/\$200 standard

See page 38 for a complete session synopsis.

Saturday, April 1

9 a.m. – 12:15 p.m.

SP-302: Root Canals and Reporters: Media Training for Endodontists

Heidi Umbhau

Track: Submitted Presentations

Fee: \$100 early/\$150 standard

See page 44 for a complete session synopsis.

9 a.m. – 2:30 p.m.

IG-300: Introduction to Endodontic Microscopy

Scott K. Bentkover, D.D.S.

Track: Imaging

Fee: \$400 early/\$450 standard

See page 44 for a complete session synopsis.

The AAE would like to recognize the following track organizers for their contributions to the 2006 Annual Session educational program:



Auxiliary Topics

Bruce C. Justman, D.D.S.

Cedar Rapids, Iowa



Imaging

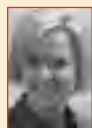
Jarshen Lin, D.D.S.

Boston, Mass.



Nonsurgical Root Canal Treatment

Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.



Differential Endodontic Diagnosis

Donna J. Mattscheck, D.M.D.

Minneapolis, Minn.



Implantology

Bradford R. Johnson, D.D.S.

Chicago, Ill.



Practice Management

Robert A. Goldberg, D.D.S.

Northbrook, Ill.

Pre-Session Symposium

Applying Research Outcomes of New Technologies to Your Practice Kalakaua Ballroom



James L. Gutmann, D.D.S.
Dallas, Texas



Henry J. Rankow, D.D.S.
Harrisburg, Pa.

*Moderator: Kenneth J. Zucker, D.D.S., M.S.,
St. Paul, Minn.*

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ADA CERP representative

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Brian D. Jafine, D.D.S.

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Pottstown, Pa.



Kamran Safavi, D.M.D., M.Ed.
Farmington, Conn.



Louis M. Lin, D.M.D., Ph.D.
New York, N.Y.



James M. Tinnin, D.D.S., M.S.D.
Fayetteville, Ark.



Ove A. Peters, D.M.D.
San Francisco, Calif.



Martin Trope, B.D.S., D.M.D.
Chapel Hill, N.C.

Over the last decade, more new clinical technologies have emerged in the field of endodontics than in any other dental specialty. With sophisticated marketing techniques, choosing whether or not to utilize these technologies has become a conundrum for the practicing clinician. With an understanding of evidence-based outcomes, the practitioner can rely on the results of high-level studies to determine the efficacy of these techniques.

The Continuing Education Committee has convened a panel of experts who will lead attendees through the information and processes needed to successfully apply research outcomes of new technologies to your practice. The symposium, featuring the most current research and evidence-based applications, will begin with an introduction and brief overview of evidence-based endodontics by Dr. Kenneth J. Zucker. Presentations will focus on instrumentation and canal disinfection, guided tissue regeneration, a panel discussion regarding obturation and sealers, and one-appointment endodontics. The final presentation will discuss integrating implants into your practice.

Available CE Units: 7



The following fee schedule is in addition to Annual Session registration and includes a continental breakfast and luncheon.

Fees	Early	Standard
AAE Professional Member	\$350	\$400
AAE Student Member	\$75	\$125
AAE Auxiliary Member	\$100	\$150
Professional Guest (U.S.)	\$770	\$820
Professional Guest (Intl.)	\$420	\$470
Student Guest	\$420	\$470
Auxiliary Guest	\$420	\$470

Early registration is strongly encouraged as attendance is limited. Your Annual Session confirmation will reflect whether or not your registration has been accepted. On-site registration, if available, will be accepted on Tuesday, March 28, between 4 and 8 p.m., and on Wednesday, March 29, between 6 and 7 a.m., at the Hawaii Convention Center. No registrations will be granted after 7 a.m. the day of the program. To avoid registration lines the morning of the symposium, preregistered attendees are encouraged to pick up their materials on Tuesday.

Wednesday, March 29

6 – 7 a.m.	Continental Breakfast	10:45 a.m. – 12:15 p.m.	Gutta-Percha Techniques – Is it the End of an Era?
7 – 7:20 a.m.	Introduction	12:15 – 1:15 p.m.	Lunch
7:20 – 8:20 a.m.	Evidence-Based Clinical Practice	1:15 – 2:15 p.m.	Evidence, Schmevidence – A Critical Past, Present and Future View of What Works in Endodontic Surgery
8:20 – 9:20 a.m.	Applying Research Outcomes of New Technologies to Your Practice	2:15 – 3:15 p.m.	Integrating Implant Dentistry Into the Endodontic Practice
9:20 – 9:50 a.m.	Break	3:15 – 3:30 p.m.	Question-and-Answer Session
9:50 – 10:45 a.m.	Applying Research Outcomes for One-Appointment Endodontics		

Evidence-Based Clinical Practice

Ove A. Peters, D.M.D.

Clearly, root canal preparation instruments and techniques constitute a major segment of the endodontic marketplace. However, evidence regarding various instruments may not parallel popularity or benefit/risk ratios. Evidence will be examined from the available bench-top and few clinical studies in order to enable clinicians to make more educated decisions in their daily practice. Most current instruments and techniques have their merits, but also their pitfalls; it is advantageous for the clinician to be able to understand both.

At conclusion, participants should be able to:

- Describe the marketing strategies and preparation concepts pertaining to properties of various root canal instruments.
- Describe factors that affect intracanal behavior of nickel-titanium and stainless-steel instruments.
- Execute benefit vs. risk analyses for particular instruments and corresponding clinical situations.

Applying Research Outcomes of New Technologies to Your Practice

Kamran Safavi, D.M.D., M.Ed.

Endodontic irrigants, rinses and intervisit medicaments commonly used in preparation and disinfection of the root canals will be reviewed. The pharmacology and clinical use of these agents in respect to their antimicrobial effects, tissue-dissolving properties, smear layer-removing capacity and biocompatibility will also be discussed.

At conclusion, participants should be able to:

- Describe the chemistry and mechanisms of the action of endodontic agents.
- List biocompatible and effective endodontic agents.
- Identify caustic and/or ineffective chemicals used in clinical endodontics.

Applying Research Outcomes for One-Appointment Endodontics

Louis M. Lin, D.M.D., Ph.D.

The outcome of therapy is an important consideration for clinicians to make a treatment decision. Recent surveys indicate that practitioners are increasingly treating endodontically involved teeth with periradicular lesions in one visit. A systematic review of studies related to the outcomes of one-appointment endodontic therapy will be provided. Based on the level of evidence, the outcomes of the selected studies will be discussed in terms of clinical application.

At conclusion, the participants should be able to:

- Conduct a systematic review of a specific, clinically relevant question.
- Describe the level of evidence of the selected studies according to the guidelines recommended by The Center for Evidence-Based Medicine.
- Interpret the evidence and applicability of the study results to clinical practice.

Gutta-Percha Techniques – Is it the End of an Era?

James L. Gutmann, D.D.S.

Martin Trope, B.D.S., D.M.D.

New materials have emerged that claim properties and outcomes superior to gutta-percha and gutta-percha filling techniques for root canal obturation. Dr. Gutmann will describe the history of gutta-percha techniques and the outcomes that can be achieved with these materials. Dr. Trope will attempt to make a case that gutta-percha should be replaced by more contemporary materials.

At conclusion, participants should be able to:

- State the principle functions of a root canal filling.
- Detail the properties, expectations and limitations of gutta-percha and the techniques that use this material to fill the cleaned and shaped canal.
- Describe the potential advantages of alternative, newer materials and state a rationale for choosing these contemporary alternatives.

Pre-Session Symposium

Evidence, Schmevidence – A Critical Past, Present and Future View of What Works in Endodontic Surgery

Paul R. Krasner, D.D.S.

Henry J. Rankow, D.D.S.

With the onslaught of dental implants into the world of dentistry, the decision to surgerize a failed root canal-treated tooth takes on new significance. As clinicians, we must be able to give the patient an accurate prognosis for the surgical procedure that we are recommending. This program will review past surgical techniques, and, based on the evidence in the literature, recommend surgical procedures that give the best success rate. Selected cases will be shown. The program will also describe and discuss the future of endodontic surgery—the use of stem cells for the treatment of bone loss associated with endodontically treated teeth.

At conclusion, participants should be able to:

- Describe the techniques and materials that provide the best prognosis for endodontic surgery.
- Provide a patient with a quantitative prognosis for a surgical procedure.
- Discuss the present status of stem cells in dentistry and how they will be utilized in endodontic treatment in the future.

Integrating Implant Dentistry Into the Endodontic Practice

James M. Tinnin, D.D.S., M.S.D.

The inclusion of implant dentistry into the clinical practice of “The Root Canal Specialist” will assure that patient care will remain at the highest level. Topics discussed will include the rationale for changing the scope of endodontics, clinical aspects of implant surgery, educational and legal requirements, instrument and equipment requirements, simplified marketing for your referral base and techniques to ensure the retention of the natural tooth.

At conclusion, participants should be able to:

- Evaluate the role that implant dentistry will have in endodontics.
- Determine a desired level of participation in implant dentistry.
- Formulate a plan for entering into the practice of implant dentistry.



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EDUCATIONAL TRACKS

Track	Wednesday	Thursday	Friday	Saturday
AUXILIARY TOPICS		<div>10:30 a.m. – noon</div> <div>A-100: Exploring OSHA: Conflict and Attitudes Toward Compliance</div> <div>12:30 – 2 p.m.</div> <div>A-100 Continued: Exploring OSHA: Conflict and Attitudes Toward Compliance</div>	<div>8:45 – 10:15 a.m.</div> <div>A-200: Dysfunction Junction: How Dental Teams Derail</div> <div>A-201: Infection Control and Instrument Reprocessing for the Endodontic Practice</div> <div>10:30 a.m. – noon</div> <div>A-200 Continued: Dysfunction Junction: How Dental Teams Derail</div> <div>A-202: Infection Control for Technology Equipment – Computers and Microscopes</div> <div>12:45 – 2:15 p.m.</div> <div>A-200 Continued: Dysfunction Junction: How Dental Teams Derail</div> <div>A-203: Management of the Anxious Patient: A Team Approach</div>	<div>9 – 10:30 a.m.</div> <div>A-300: Peak Performance for the Endodontic Practice</div> <div>10:45 a.m. – 12:15 p.m.</div> <div>A-300 Continued: Peak Performance for the Endodontic Practice</div>
DIAGNOSIS		<div>10:30 a.m. – noon</div> <div>D-100: Diagnostic Criteria and Terminology: A Dilemma (10:30 – 11:15 a.m.)</div> <div>Systemic Health and Endodontic Disease (11:15 a.m. – noon)</div> <div>12:30 – 2 p.m.</div> <div>D-101: Factors That Affect the Presentation of Pain</div>	<div>8:45 – 10:15 a.m.</div> <div>D-200: Diagnosis of Neuropathic Oro dental Pain</div> <div>10:30 a.m. – noon</div> <div>D-201: Cracked Teeth and Vertical Root Fractures</div> <div>12:45 – 2:15 p.m.</div> <div>D-202: Differential Diagnosis of Radiographic Lesions</div>	<div>9 – 10:30 a.m.</div> <div>D-300: Endodontic-Periodontic Problems: Should We Extract or Treat?</div> <div>10:45 a.m. – 12:15 p.m.</div> <div>D-301: The Clinical Relationships Between Endodontic Pain and Temporomandibular Disorders</div> <div>1 – 2:30 p.m.</div> <div>D-302: Musculoskeletal and Cranial Nerve Examination Including Diagnostic Blocks</div>
IMPLANTOLOGY	Implantology Track Sponsored by Nobel Biocare, Inc.			
	<div>7:30 a.m. – 3:30 p.m.</div> <div>I-10: Understanding and Applying the Keys to Implant Therapy</div>	<div>10:30 a.m. – noon</div> <div>I-100: EndoImplantology: A Pathway to the Paradigm Shift in Endodontics</div> <div>12:30 – 2 p.m.</div> <div>I-101: State-of-the-Art in Implants: Current Research and Clinical Practice</div>	<div>8:45 – 10:15 a.m.</div> <div>I-200: Endodontic Treatment or Extraction and Implants: Evidence?</div> <div>10:30 a.m. – noon</div> <div>I-201: Fresh Socket Implants and Immediate Loading</div> <div>12:45 – 2:15 p.m.</div> <div>I-202: Limits of Conservative Therapy: Endodontic Treatment or Implant?</div>	
IMAGING		<div>10:30 a.m. – noon</div> <div>IG-100: Microscope Photography</div> <div>IG-101: Technology Management 101: Megabytes at Endo Sites</div> <div>IG-102: The Use of the Microscope in Endodontic Practice: Why, When and How</div> <div>12:30 – 2 p.m.</div> <div>IG-100 Continued: Microscope Photography</div> <div>IG-102 Continued: The Use of the Microscope in Endodontic Practice: Why, When and How</div> <div>IG-103: Theory and Practice of Intraoral Digital Radiography in Endodontics</div>	<div>8:45 – 10:15 a.m.</div> <div>IG-200: Microendodontics: Redefining the Surgical and Nonsurgical Possibilities</div> <div>IG-201: Imaging in Endodontics</div> <div>10:30 a.m. – noon</div> <div>IG-201 Continued: Imaging in Endodontics</div> <div>IG-202: Microscopic Photography</div>	<div>9 a.m. – 2:30 p.m.</div> <div>IG-300: Introduction to Endodontic Microscopy</div>
NONSURGICAL		<div>10:30 a.m. – noon</div> <div>NS-100: Endodontic Treatment of Pulpal Disease Without Apical Periodontitis</div> <div>NS-101: Nonsurgical Endodontics and Pharmacology</div> <div>12:30 – 2 p.m.</div> <div>NS-102: Pulpal Disease With Apical Periodontitis (12:30 – 1:15 p.m.)</div> <div>Tooth Anatomy: A 2006 Perspective</div> <div>NS-103: Nonsurgical Endodontic Retreatment</div>	<div>8:45 – 10:15 a.m.</div> <div>NS-200: Endodontic Retreatment</div> <div>NS-201: Radiographic Evaluation and Follow-Up</div> <div>NS-202: Treatment of Endodontic Infections</div> <div>10:30 a.m. – noon</div> <div>NS-200 Continued: Endodontic Retreatment</div> <div>NS-203: Root Canal Access, Preparation and Consideration</div> <div>12:45 – 2:15 p.m.</div> <div>NS-204: Root Canal Instrumentation Techniques</div>	<div>9 – 10:30 a.m.</div> <div>NS-300: Root Canal Instrumentation Techniques: Expectations vs. Reality</div> <div>NS-301: The Outcome of Nonsurgical Endodontic Treatment</div> <div>10:45 a.m. – 12:15 p.m.</div> <div>NS-302: Root Filling, Principles and Techniques</div> <div>1 – 2:30 p.m.</div> <div>NS-303: Root Canal Obturation: State-of-the-Art and Future Trends</div>

2022 AAE Annual Meeting & Expo					
Track		Wednesday	Thursday	Friday	Saturday
PRACTICE MANAGEMENT			<p>10:30 a.m. – noon</p> <p>PM-100: Creating a Brand Strategy: Technology to Distinguish Your Practice</p> <p>PM-101: Have the Exact Practice Transition You Want</p> <p>12:30 – 2 p.m.</p> <p>PM-101 Continued: Have the Exact Practice Transition You Want</p> <p>PM-102: How to Get the Most Out of Dental Codes</p>	<p>8:45 – 10:15 a.m.</p> <p>PM-200: I Have My Certificate in Endo...Now What Do I Do?</p> <p>10:30 a.m. – noon</p> <p>PM-200 Continued: I Have My Certificate in Endo...Now What Do I Do?</p> <p>PM-201: Principles of Office Design and Renovation</p> <p>12:45 – 2:15 p.m.</p> <p>PM-202: Evidence-Based Selection: Hiring the Best Employees for Your Practice</p>	<p>9 – 10:30 a.m.</p> <p>PM-300: Going Into Private Practice? Food for Thought in Luau Land! (9 – 9:45 a.m.)</p> <p>Transition In/Transition Out – How to Do It (9:45 – 10:15 a.m.)</p> <p>PM-301: Growing Your Endodontic Practice in the 21st Century</p> <p>10:45 a.m. – 12:15 p.m.</p> <p>PM-301 Continued: Growing Your Endodontic Practice in the 21st Century</p> <p>1 – 2:30 p.m.</p> <p>PM-302: The Exceptional Endodontic Practice in the 21st Century: Are You Ready?</p> <p>PM-303: Strategic Tax, Creditor and Retirement Planning</p>
SUBMITTED PRESENTATIONS		<p>7:30 a.m. – 3:30 p.m.</p> <p>SP-10: Endodontic Microsurgery</p>	<p>10:30 a.m. – noon</p> <p>SP-100: Rationale and Overview of Intracanal Medication Applications (10:30 – 11:15 a.m.)</p> <p>The Relationship of Intracanal Medicaments to Postoperative Pain in Endodontics (11:15 a.m. – noon)</p> <p>SP-101: The Endodontic Periodontal Continuum (10:30 – 11:15 a.m.)</p> <p>Maxillary Sinusitis vs. Odontalgia – Diagnosis and Management of Maxillary Pain (11:15 a.m. – noon)</p> <p>12:30 p.m. – 2 p.m.</p> <p>SP-102: Clinical Applications of Laser Technology in Endodontics (12:30 – 1:15 p.m.)</p> <p>Ultrasonic Instrumentation Update (1:15 – 2 p.m.)</p> <p>SP-103: Irrigation in Endodontics Update (12:30 – 1:15 p.m.)</p> <p>Implant vs. Endodontic Surgery (1:15 – 2 p.m.)</p>	<p>8:45 – 10:15 a.m.</p> <p>SP-200: Vertical Root Fractures: Understanding Their Biomechanics and Early Diagnosis May Save Frustration and Aggravation (8:45 – 9:30 a.m.)</p> <p>Cracked Teeth – Diagnosis and Treatment (9:30 – 10:15 a.m.)</p> <p>SP-201: Root Canals and Reporters: Media Training for Endodontists</p> <p>10:30 a.m. – noon</p> <p>SP-201 Continued: Root Canals and Reporters: Media Training for Endodontists</p> <p>SP-202: Replacement Root Resorption: Is it a Predictable Failure? (10:30 – 11:15 a.m.)</p> <p>Treating Root Resorption: A 45-Year Progression (11:15 a.m. – noon)</p> <p>12:45 – 2:15 p.m.</p> <p>SP-203: MTA Delivery</p> <p>SP-204: Ultrasonics in Endodontics: Where We’ve Been and Where We’re Going (12:45 – 1:30 p.m.)</p> <p>Do Procedural Mishaps Cause Endodontic Treatment Failure? (1:30 – 2:15 p.m.)</p> <p>SP-205: ABE Boardwalk</p> <p>SP-206: Root Canal Length Measurement – Efficiently, Effectively...Electronically (12:45 – 1:30 p.m.)</p> <p>Can I Cut Here? If I Initiate a Problem, What Should I Do? (1:30 – 2:15 p.m.)</p> <p>SP-207: Clinical Application of 2% Chlorhexidine Gel in Endodontics (12:45 – 1:30 p.m.)</p> <p>Endodontic Irrigation via Differential Negative Pressure (1:30 – 2:15 p.m.)</p>	<p>9 – 10:30 a.m.</p> <p>SP-300: The Disconnect Between Available Evidence and Our Clinical Practice – Will It Lead to Our Extinction? (9 – 9:45 a.m.)</p> <p>Evidence-Based Decision Making in Endodontics (9:45 – 10:30 a.m.)</p> <p>SP-301: Dentin Sensitivity Revisited (9 – 9:45 a.m.)</p> <p>Recognition, Pathophysiology and Comprehensive Treatment Care With a New Approach for Early Prophylactic Intervention (9:45 – 10:30 a.m.)</p> <p>SP-302: Root Canals and Reporters: Media Training for Endodontists</p> <p>10:45 a.m. – 12:15 p.m.</p> <p>SP-302 Continued: Root Canals and Reporters: Media Training for Endodontists</p> <p>SP-303: Your Great Invention From Concept to Reality</p> <p>SP-304: 2005 Recipients of Oral and Poster Research Presentation Awards</p> <p>SP-305: Resident and New Practitioner Forum: Everything You Wanted to Know About Practice Transition But Were Afraid to Ask</p> <p>SP-306: Hybrid Nickel-Titanium Instrumentation Techniques (10:45 – 11:30 a.m.)</p> <p>A Novel Multi-Step Approach to NiTi Rotary Instrumentation (11:30 a.m. – 12:15 p.m.)</p> <p>SP-307: Is the Decision of the Final Preparation Size of the Physiological Foramen Evidence-Based? (10:45 – 11:30 a.m.)</p> <p>Current Concepts on the Treatment of the Open Apex (11:30 a.m. – 12:15 p.m.)</p> <p>1 – 2:30 p.m.</p> <p>SP-308: Virtual Product Development: Endodontics in the 21st Century (1 – 1:45 p.m.)</p> <p>Calcified Canals: An Endodontic Nightmare? (1:45 – 2:30 p.m.)</p> <p>SP-309: Genesis of Curved Canal Preparation</p> <p>SP-310: Educator Forum: Developing Faculty Through Communication Skills</p> <p>SP-311: Decision Making and Clinical Tips in Nonsurgical and Surgical Endodontic Retreatment (1 – 1:45 p.m.)</p> <p>Endodontic Retreatment: Learn When to Count on Them and When to Walk Away (1:45 – 2:30 p.m.)</p> <p>SP-312: Immunobiology of Apical Periodontitis: Current Knowledge and a Futuristic View (1 – 1:45 p.m.)</p> <p>Radiographic and Histological Observations of Endodontically Treated Teeth (1:45 – 2:30 p.m.)</p>

Final Joe AD Hi-Res.pdf

7 a.m. – 4 p.m.

SP-10

Room 312

Endodontic Microsurgery



Richard A. Rubinstein, D.D.S., M.S.
Farmington Hills, Mich.

Workshop Fee: \$745 early/\$795 standard (includes continental breakfast and lunch)

This all-day course is designed to provide participants the opportunity to learn about contemporary microsurgical armamentarium and techniques. After a review of microsurgical armamentarium and a clinical demonstration of a simulated apical microsurgery, participants will assist each other using state-of-the-art typodont models to incise and reflect simulated gingiva, make an osteotomy, remove simulated granulomatous tissue, and perform an apicoectomy, retroprep, retrofill and suture on simulated maxillary anterior bicuspid and molar teeth.

At conclusion, participants should be able to:

- Identify and utilize microsurgical armamentaria.
- Use a surgical operating microscope.
- Advance their skills in performing apical microsurgery.

7:30 a.m. – 3:30 p.m.

I-10

Room 314

Understanding and Applying the Keys to Implant Therapy



Stephen D. Campbell, D.M.D., M.S.
Chicago, Ill.



Kent L. Knoernschild, D.M.D., M.S.
Chicago, Ill.

*Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.*

Workshop Fee: \$350 early/\$400 standard (includes continental breakfast and lunch)

This didactic and hands-on course is designed to expose the clinician to a variety of patient-based scenarios. The diagnostic and treatment planning keys for implant-supported therapy will be reviewed. This will be integrated with exercises on model systems that are designed to simulate single-tooth replacement and expose the clinician to a variety of clinical scenarios. A problem-based learning model ensures an effective learning opportunity that will allow the clinician to effectively apply the principles.

At conclusion, participants should be able to:

- List prognostic factors that influence dental implant therapy success.
- Apply knowledge learned toward diagnosis and treatment planning patient scenarios.
- Apply knowledge learned to simulated implant placement in the maxilla and mandible.

Educational Sessions

10:30 a.m. – noon

A-100

Room 318

Exploring OSHA: Conflict and Attitudes Toward Compliance



Annamaria A. Phillips, C.D.A., E.F.D.A., M.B.A.
Parker, Colo.

*Moderator: Bruce C. Justman, D.D.S.
Iowa City, Iowa*

Your way or my way, which way is the right way? Learn how to unravel disputes, maintain your sanity and create a peaceful work environment as this presentation investigates the challenges and provides win-win results regarding the creation of positive attitudes ensuring OSHA and infection control compliance in your office.

At conclusion, participants should be able to:

- Identify at least one concrete solution to compliance concerns.
- Apply tools to implement desired changes or refresh the challenges of attitudes towards compliance.
- Create steps to proactive standard operating procedures.

D-100

Room 323 C

Diagnostic Criteria and Terminology: A Dilemma (10:30 – 11:15 a.m.)



Richard E. Walton, D.M.D., M.S.
Iowa City, Iowa

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

A consistent, rational terminology of pulpal and periradicular diagnostic terms is important. These serve as a means of communication between practitioners and as an identifiable entity for third parties. They enable educators to instruct and interact with students, and to teach for national and specialty boards. An examination of the literature, including textbooks and articles, indicates a hodgepodge of names, some with little rationale. This presentation will trace the historical origins of these terms, how they evolved and the current status. An introduction to the set of universally acceptable descriptive terms that have a logical clinical/histological basis will be presented.

At conclusion, participants should be able to:

- Trace the history of the origins of pulpal and periradicular pathosis diagnostic terminology.
- Describe the rationale for establishing a logical series of diagnostic terms.
- Apply a set of universally accepted terms to practice and teaching.

Systemic Health and Endodontic Disease (11:15 a.m. – noon)



Ashraf F. Fouad, B.D.S., D.D.S., M.S.
Baltimore, Md.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

Systemic diseases may influence the presentation of endodontic diseases or make the patient more prone to increased signs and symptoms. Further, they may modulate the healing process following endodontic treatment. Endodontic pathosis may result in acute infections that may spread along fascial planes to distant tissues. Endodontic infections and their treatment may result in bacteremias that may influence chronic systemic disease. This session seeks to address these issues outlining established concepts as well as recent findings.

At conclusion, participants should be able to:

- Describe the relationship of systemic disease and endodontic diagnosis.
- Determine how some systemic diseases may influence the determination of endodontic prognosis.
- Describe recent advances in research on the relationship of oral infections to chronic systemic diseases.

I-100

Room 314

EndoImplantology: A Pathway to the Paradigm Shift in Endodontics



Jerome H. Stroumza, D.D.S., M.S., D.Sc.
San Francisco, Calif.

*Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.*

Technical breakthroughs influence the way we practice our art. In the last decade the culmination of mechanization made endodontic treatment more successful and predictable than ever before. Nonetheless, as new challenges arose, so did a new, cutting-edge, multifaceted approach. Planning and treatment of complex endodontic cases is refined with the implementation of CT scan technology, bioengineered grafting procedures and advanced implant placement. New algorithms for decision-making are revealed based on actual clinical outcome.

At conclusion, participants should be able to:

- List the benefits of CT scan imaging as an endodontic diagnostic tool.
- Evaluate challenging cases based on the new perspective offered by the endoimplantology rationale.
- Integrate the endoimplantology diagnostic and clinical/surgical approach in the decision-making process.

IG-100

Room 312

Microscope Photography



Eric J. Herbranson, D.D.S., M.S.
San Leandro, Calif.

*Moderator: Denis E. Simon III, D.D.S., M.S.
Baton Rouge, La.*

Workshop Fee: \$250 early/\$300 standard

This course will explain and teach the four essential skills necessary for good microscope photography. This will be accomplished through lecture and exercises on microscopes. The skills include controlling scope movement, accurate focusing, correct exposure and lens cleanliness. The course is designed for the person who has their own equipment and some minimal experience but is frustrated with their results. (Each participant is required to bring their own beamsplitter, camera mount, camera and laptop computer with Photoshop® or Photoshop Elements® installed.)

At conclusion, participants should be able to:

- Describe the skills necessary to get predictable results with microscope photography.
- Demonstrate these skills on a microscope.
- Describe how to post process images in preparation for inclusion into presentations.

IG-101

Room 315

Technology Management 101: Megabytes at Endo Sites



Brian P. Chuang, D.M.D.
Somerville, Mass.



Paula G. Elmi, D.M.D.
Boston, Mass.

*Moderator: Ali A. Nasseh, D.D.S.
Boston, Mass.*

A commonly asked question is whether technology is a friend or foe. Fear not, let technology help you! This lecture will provide a comprehensive orientation about imaging technology. Technological advances can enhance the overall endodontic visit for your patients, referring dentists and even yourself. Learn a vocabulary that will enable effective communication with your staff and support personnel. Discussions about digital radiography and microscopic imaging modality will be a great introduction to endodontic solutions.

At conclusion, participants should be able to:

- Identify pertinent areas in endodontics that can benefit from imaging technology.
- Describe the advantages and disadvantages of digital implementation and assess the specifications when purchasing computers, software programs and digital equipment.
- Describe ways to manage images of digital radiography and microscopes.



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

10:30 a.m. – noon (continued)

THURSDAY

IG-102

Room 323 A/B

The Use of the Microscope in Endodontic Practice: Why, When and How



Eudes Gondim Jr., D.D.S.
Sao Paulo, Brazil



Syngcuk Kim, D.D.S., Ph.D.
Philadelphia, Pa.



Samuel I. Kratchman, D.M.D.
Exton, Pa.



Francesco Maggiore, D.D.S.
Aschaffenburg, Germany

*Moderator: Jarshen Lin, D.D.S.
Boston, Mass.*

The incorporation of the microscope into the endodontic practice began over a decade ago and it has now become an essential instrument in many endodontic practices. As with other medical disciplines before, new users face many questions as to when and how to use the microscope to achieve clinical excellence. In this panel presentation, specific microscopes will be discussed in detail with digital illustrations so that participants can understand why, when and how to incorporate the microscope into their practices.

At conclusion, participants should be able to:

- Describe configuration of the microscope and positioning of the patient, doctor and assistant to maximize its benefits.
- Apply this knowledge towards nonsurgical and surgical endodontics, perforation repair and removal of broken objects from the canals.
- List the documentation instruments, techniques and procedures.

NS-100

Room 316 A/B

Endodontic Treatment of Pulpal Disease Without Apical Periodontitis



Larz S.W. Spångberg, D.D.S.
Farmington, Conn.

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.*

A discussion of clinical procedures based on the biological processes that are fundamental to treatment success will introduce this issue, followed by the treatment choices, use of instruments, medicaments and materials for a variety of clinical conditions. There are some major principal differences in the treatment approach of teeth with vital or necrotic pulp even if no apical periodontitis has been diagnosed. Various concepts applied to assessing overall treatment outcome will be discussed.

At conclusion, participants should be able to:

- Describe the basic diagnostic endodontic entities and appropriate therapeutic interventions.
- Describe and understand the reasons why microbial control is a cornerstone in endodontic treatment to achieve optimal endodontic success.
- Compare and contrast the various instrumentation techniques, medication needs and root canal filling materials.

NS-101

Room 316 C

Nonsurgical Endodontics and Pharmacology



Paul D. Eleazer, D.D.S., M.S.
Birmingham, Ala.

*Moderator: Fernando J. Meza, D.M.D.
McLean, Va.*

Endodontists can count on treating patients with complicated medical histories. This session will begin by discussing drugs such patients take, which may influence our treatment conditions. Philosophies of preoperative medications will be covered. Various ways bacteria resist antibiotic therapy and length of time antibiotics should be used will also be included. Finally, significant, sometimes hard-to-remember drug interactions for “our” drugs in multi-pharmacy patients will be reviewed.

At conclusion, participants should be able to:

- Describe various drugs and diseases that influence treatment decisions.
- Apply principles of antibiotic prophylaxis that impact decisions for such use in endodontic patients.
- List various potential drug interactions possibly affecting endodontic therapy.

PM-100

Room 317

Creating a Brand Strategy: Using Technology to Distinguish Your Practice



Martin D. Levin, D.M.D.
Chevy Chase, Md.

*Moderator: G. Matthew Brock, D.D.S., M.S.D.
Chattanooga, Tenn.*

Endodontists are facing many challenges in private practice. Central to these challenges is creating a brand identity that consistently conveys your special skills to referring dentists and patients. In the past, branding was considered just a marketing tactic, but today the importance of branding as an overall strategy cannot be overemphasized. Although branding is a simple concept, it is not that easy to accomplish; it takes long-term commitment and hard work. This course will highlight the importance of technology as part of a systematic plan for creating a “world-class” practice.

At conclusion, participants should be able to:

- Describe branding as a strategy.
- Discuss how a technology-driven practice can improve treatment, and the patient and referring doctor experience.
- Describe the value of incorporating digital treatment technologies, charting, the Internet and advanced communications into your practice.

PM-101

Room 320

Have the Exact Practice Transition You Want



Randall K. Berning, J.D.
Naples, Fla.

*Moderator: Bruce H. Seidberg, D.D.S., M.Sc.D., J.D.
Syracuse, N.Y.*

The premise of this course is that for every endodontist, from a new to established practitioner, there is an appropriate practice transition/succession strategy. The material presented is designed to provide an understanding of various strategy options, including associateship, partnership, phased arrangements and sale, and how to implement a strategy. Included will be a discussion of the importance of timing, valuation methodology and developing a win-win, equitable practice transition.

At conclusion, participants will be able to:

- List and analyze various strategies for the endodontist in evaluating practice transition options.
- Evaluate timing issues related to developing a successful associateship, partnership or succession plan.
- List various transition steps and how to achieve an overall structure to lock in a transition/succession.



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

10:30 a.m. – noon (continued)

SP-100

Room 324

Rationale and Overview of Intracanal Medication Applications (10:30 – 11:15 a.m.)



Shohreh Ravanshad, D.M.D., M.S.D.
Shiraz, Iran

*Moderator: Fabricio B. Teixeira, D.D.S., M.Sc., Ph.D.
Chapel Hill, N.C.*

Endodontic success or failure is related to the absence or presence of signs and symptoms of apical periodontitis. The etiology of apical periodontitis is primarily a bacterial infection of the root canal system. The use of intracanal medications is an adjunct to the prevention or treatment of apical periodontitis. Intracanal dressings more concisely describe medicaments left in the root canal to exert their antimicrobial activity over a longer time period. The rationale for applying in various clinical situations will be reviewed.

At conclusion, participants should be able to:

- Describe the role of intracanal, interappointment medicaments.
- Describe the properties of common intracanal medicaments.
- Identify various medicaments desirable for different applications.

The Relationship of Intracanal Medicaments to Postoperative Pain in Endodontics

(11:15 a.m. – noon)



Ernst H. Ehrmann, B.D.Sc., D.D.S.
Caulfield, Australia

*Moderator: Fabricio B. Teixeira, D.D.S., M.Sc., Ph.D.
Chapel Hill, N.C.*

This prospective, randomized clinical trial investigated the relationship of post-operative pain to three different intracanal medicaments (corticosteroid/antibiotic paste, calcium hydroxide, no dressing) after a biomechanical debridement of the root canal system in patients with pain. The necrotic teeth that had been dressed with corticosteroid/antibiotic paste gave rise to less pain than that experienced by patients who had a dressing of calcium hydroxide or no dressing. The difference was statistically significant.

At conclusion, participants should be able to:

- Describe how calcium hydroxide is as good in alleviating post-treatment pain as it is in sterilizing canals.
- Identify whether the debridement of a necrotic canal is sufficient to alleviate post-treatment pain, or whether it should be supplemented by other measures.
- Evaluate whether an intracanal medicament consisting of a corticosteroid/antibiotic paste has a place in the endodontist's armamentarium.

SP-101

Room 325

The Endodontic Periodontal Continuum

(10:30 – 11:15 a.m.)



Ilan Rotstein, D.D.S.
Beverly Hills, Calif.

*Moderator: James H. Simon, D.D.S.
Orange, Calif.*

The pulp and the periodontium are intimately related and interconnected through the apical foramen, lateral and accessory canals, and exposed dentinal tubules. Etiologic factors such as bacteria, fungi and viruses, as well as contributing factors like trauma, root resorptions, perforations and dental malformations, play an important role in the development and progression of disease in these tissues. Treatment and prognosis of endodontic-periodontal diseases vary, and depend on the etiology and correct diagnosis of the specific condition. This presentation will discuss the interrelationship between endodontic and periodontal diseases and provide biological and clinical evidence for diagnosis, prognosis and decision making in the treatment of these conditions.

At conclusion, participants should be able to:

- Describe the anatomical pathways of communication between the pulp and the periodontium.
- Compare the relevant clinical tests and diagnostic procedures.
- Apply this knowledge toward differential diagnosis and treatment decision making.

Maxillary Sinusitis vs. Odontalgia—Diagnosis and Management of Maxillary Pain (11:15 a.m. – noon)



Roderick W. Tataryn, D.D.S., M.S.
Spokane, Wash.

*Moderator: James H. Simon, D.D.S.
Orange, Calif.*

Differentiating sinus pain from pulpal etiology is one of the more difficult diagnostic challenges facing clinicians. This lecture explains the etiology and symptoms of acute and chronic sinusitis, and its similarities and distinguishing differences to pain of dental origin. The goal is to help practitioners relieve patient discomfort through accurate diagnosis, appropriate treatment and prescription regimens, and communication with ENT specialists when necessary.

At conclusion, participants should be able to:

- Describe the anatomy and function of the paranasal sinuses and the current treatment of acute and chronic sinusitis.
- Identify the distinguishing differences between pain of sinus origin and pain of pulpal origin, and know when to render endodontic care or make an appropriate ENT referral.
- Identify a maxillary sinusitis of dental origin and describe how periradicular infection can directly cause a secondary sinus infection.

12:30 – 2 p.m.

A-100 Continued

Room 318

Exploring OSHA: Conflict and Attitudes Toward Compliance

Annamaria A. Phillips, C.D.A., E.F.D.A., M.B.A., Parker, Colo.

Moderator: Bruce C. Justman, D.D.S., Iowa City, Iowa

See page 20 for a complete session synopsis.

D-101

Room 323 C

Factors That Affect the Presentation of Pain



Donald Nixdorf, D.D.S., M.S.
Minneapolis, Minn.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

This lecture will review the factors known to influence the clinical presentation of pain, with a focus on the dental patient with pain in the orofacial region. Areas to be covered will include recent research about the role of genetics in pain, as well as comparisons of epidemiological studies of pain syndromes, psychological contributions to pain and the effects of aging and other disorders on pain.

At conclusion, participants should be able to:

- List the various factors that may influence how dental patients express what they feel as pain.
- Describe why certain patients respond, in terms of pain, the way they do to dental treatment.
- Better identify patients that may be at higher risk for having a more painful experience with dental treatment.

I-101

Room 314

State-of-the-Art in Implants: Current Research and Clinical Practice



Kent L. Knoernschild, D.M.D., M.S.
Chicago, Ill.

*Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.*

Recognizing factors that lead to successful therapy while minimizing factors that increase complications is the hallmark of a successful contemporary clinical practice. A great clinical research emphasis has been focused on dental implant practice. Thoughtful application of this knowledge base leads to the best patient care. This presentation will describe success factors for implants and implant-supported prostheses. A focus will be on treatment sequencing and timing for care based upon patient situations.

At conclusion, participants should be able to:

- Describe factors that contribute to implant survival and success.
- Describe factors that contribute to implant prosthesis survival and success.
- Apply the above factors to patient treatment planning situations.



Educational Sessions

12:30 – 2 p.m. (continued)

IG-100 Continued

Room 312

Microscope Photography

Eric J. Herbranson, D.D.S., M.S., *San Leandro, Calif.*

Moderator: Denis E. Simon III, D.D.S., M.S., *Baton Rouge, La.*

See page 21 for a complete session synopsis.

IG-102 Continued

Room 323 A/B

The Use of the Microscope in Endodontic Practice: Why, When and How

Eudes Gondim Jr., D.D.S., *Sao Paulo, Brazil*

Syngcuk Kim, D.D.S., Ph.D., *Philadelphia, Pa.*

Samuel I. Kratchman, D.M.D., *Exton, Pa.*

Francesco Maggiore, D.D.S., *Aschaffenburg, Germany*

Moderator: Jarshen Lin, D.D.S., *Boston, Mass.*

See page 22 for a complete session synopsis.

IG-103

Room 315

Theory and Practice of Intraoral Digital Radiography in Endodontics



Tom C. Pagonis, D.D.S., M.S.
Newport, R.I.

Moderator: Gunnar Hasselgren, D.D.S., Ph.D.
New York, N.Y.

Details of the theory of intraoral digital imaging will be presented, followed by a discussion of digital image acquisition and manipulation. Topics to be discussed include characteristics of digital images, methods of image acquisition, image enhancement, image processing, image analysis and system capabilities. The session will conclude with a discussion of diagnostic capabilities utilizing film-based and digital radiographs, as well as the cost/benefit of digital systems and future imaging considerations in clinical endodontic practice.

At conclusion, participants should be able to:

- List pertinent terminology and describe the mechanisms of acquiring and manipulating an intraoral digital radiograph.
- Apply this knowledge in comparing the capabilities of various intraoral digital systems, and recognize the differences between those systems and film-based systems.
- Discuss future imaging considerations in endodontics.

NS-102

Room 316 A/B

Pulpal Disease With Apical Periodontitis

(12:30 – 1:15 p.m.)



Martin Trope, B.D.S., D.M.D.
Chapel Hill, N.C.

Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.

A tooth with apical periodontitis presents a challenge completely different from one with irreversible pulpitis. The challenges presented by a tooth with this diagnosis and the microbial control steps required for optimal treatment outcomes will be described based on available evidence.

At conclusion, participants should be able to:

- Identify the differences between a tooth with irreversible pulpitis vs. apical periodontitis.
- List the challenges presented by a tooth with apical periodontitis.
- Describe the treatment steps required to achieve a maximal outcome for such teeth.

Tooth Anatomy: A 2006 Perspective (1:15 – 2 p.m.)



Bruce B. Fogel, D.D.S.
Los Altos Hills, Calif.

Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.

This presentation will focus on three areas. First, the simplicity and the complexity of the tooth and pulpal anatomy will be discussed. The restrictions of today's chairside techniques for visualizing this anatomy will then be demonstrated. Finally, tooth and pulpal anatomy will be shown using today's technology, such as CT scans, which may become tomorrow's techniques for chairside three-dimensional visualization of the anatomy.

At conclusion, participants should be able to:

- Discuss the simplicity and complexity of the tooth and pulpal anatomy.
- List the limitations of today's chairside techniques for imaging the tooth and pulpal anatomy.
- Describe present technologies for three-dimensional imaging of the tooth and pulpal anatomy.

NS-103

Room 316 C

Nonsurgical Endodontic Retreatment



Markus Haapasalo, D.D.S., Ph.D.
Oslo, Norway

*Moderator: Thomas M. Buttke, D.D.S., Ph.D.
Nags Head, N.C.*

This lecture will define endodontic retreatment from an epidemiological, etiological, biological, microbiological and technical point of view. Special emphasis will be put on clinically relevant differences between primary AP and retreatment cases, eradication of infection, technical and biological challenges, and prevention of endodontic re-infection.

At conclusion, participants should be able to:

- Describe the differences between primary AP and retreatment cases in terms of biology, microbiology and technical challenges.
- Apply this knowledge in treatment planning and treatment.
- Reduce the probability of future need for retreatment in one's own cases.

PM-101 Continued

Room 320

Have the Exact Practice Transition You Want

Randall K. Berning, J.D., Naples, Fla.

*Moderator: Bruce H. Seidberg, D.D.S., M.Sc.D., J.D.,
Syracuse, N.Y.*

See page 23 for a complete session synopsis.

PM-102

Room 317

How to Get the Most Out of Dental Codes



Deborah S. Bishop, D.M.D.
Huntsville, Ala.

*Moderator: Brett E. Gilbert, D.D.S.
Chicago, Ill.*

This session targets endodontists and their office staff who use ADA CDT-5 dental codes. Participants will learn how to code the procedures more accurately and therefore enhance the doctor/patient/third-party relationship. The panel of practitioners will discuss scenarios to illustrate accurate coding. An overview of the process to submit new dental codes for the next edition of *Current Dental Terminology* will be presented.

At conclusion, participants should be able to:

- Increase accuracy of the dental codes used to report procedures (whether fee-for-service or participating provider).
- Increase awareness of the dental industry.
- Describe the new ADA code review process that can lead to new and effective codes for use by dentists and endodontists alike.

Additional Participants – AAE Dental Benefits Committee:

Geraldine R. Bills, D.D.S.

Kimberly A. Kochis, D.M.D., M.S.Ed.

Kristy L. Marker, D.D.S.

Martin J. Rogers, D.D.S.

Steven D. Shoha, D.D.S.

H. Clayton Stearns, D.M.D.

Patrick E. Taylor, D.D.S.

SP-102

Room 324

Clinical Applications of Laser Technology in Endodontics (12:30 – 1:15 p.m.)



Joshua Moshonov, D.M.D.
Jerusalem, Israel



Adam Stabholz, D.M.D.
Jerusalem, Israel

*Moderator: Harold E. Goodis, D.D.S.
San Francisco, Calif.*

This presentation will provide an overview of the physics, structure, characteristics and principles of operation of lasers used in dentistry, as well as their interaction with soft and hard tissues of the oral cavity. Research studies associated with the development of a new Er:YAG laser endodontic tip, designed for the efficient cleaning of the root canal system, will be presented. Future clinical applications of lasers in endodontics will also be discussed. Clinical cases in which the laser technology was utilized will also be presented.

At conclusion, participants should be able to:

- Describe the physics structure, characteristics and principles of operation of lasers used in dentistry.
- Describe the interaction of lasers with the soft and hard tissues of the oral cavity.
- List the possible current applications of laser technology in endodontics.



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

12:30 – 2 p.m. (continued)

SP-102 (Continued)

Room 324

Ultrasonic Instrumentation Update (1:15 – 2 p.m.)



Peter D. Cancellier, D.D.S.
Encinitas, Calif.

*Moderator: Harold E. Goodis, D.D.S.
San Francisco, Calif.*

Ultrasonic instruments are a valuable asset in our armamentarium for root canal access, canal location, and removing separated instruments because the tips facilitate uncompromised vision. The comparisons of several ultrasonic tips used on multiple brands of ultrasonic units offer attendees important information on which tips work best with each ultrasonic unit, and whether alternate units are more effective with favored tips.

At conclusion, participants should be able to:

- Describe which ultrasonic tips work best with various ultrasonic units.
- Apply this knowledge toward preserving tip life and prevention of tip breakage.
- List the proper uses for various ultrasonic tips.

SP-103

Room 325

Irrigation in Endodontics Update (12:30 – 1:15 p.m.)



Bettina R. Basrani, D.D.S., M.S.D., Ph.D.
Toronto, Ontario, Canada

*Moderator: James M. Tinnin, D.D.S., M.S.D.
Fayetteville, Ark.*

Bacteria in the root canal system have an essential role in initiating and maintaining periapical inflammatory lesions. The aim of root canal treatment is to eliminate bacteria from the infected root canal and to prevent re-infection. Chemomechanical cleaning and shaping of the root canal greatly reduces the number of bacteria, but it has been shown that it is impossible to obtain complete disinfection in all cases. Therefore, concern exists as to the fate and subsequent activity of the remaining microorganisms in the canal. Residual bacteria in the apical part of the root canal have been held responsible for failures. The most current irrigant of choice is sodium hypochlorite, although it has some drawbacks. Alternative intracanal methods have been sought to improve the eradication of bacteria before obturation. In recent years, chlorhexidine gluconate, MTAD, ozonated water and electrochemically activated water have emerged as antimicrobial alternatives in endodontic therapy. The aim of this presentation is to discuss the effectiveness of the different alternatives.

At conclusion, participants should be able to:

- Describe microbial causation of periradicular diseases and persistent endodontic infections.
- Describe new alternatives for intracanal antiseptics.
- Identify pros and cons of the intracanal irrigants.

Implant vs. Endodontic Surgery (1:15 – 2 p.m.)



Charbel R. Allam, D.M.D.
Beirut, Lebanon

*Moderator: James M. Tinnin, D.D.S., M.S.D.
Fayetteville, Ark.*

Are you extracting a tooth and replacing it with an implant, or trying to save an existing natural tooth? Implantology and endodontic surgery are two highly evolving procedures in terms of instrumentation, materials and surgery procedure. But which one should be chosen, when and how? Does the choice depend on the success rate of the procedure, or would the clinical case itself determine the treatment plan? In addition, two factors are worth considering—the mental state of the patient who is preserving his/her natural teeth and his/her financial situation. The aim of this presentation is to make a differential diagnosis and to select the cases to be treated. Both procedures will be detailed according to the selected cases.

At conclusion, participants should be able to:

- Describe how to select the cases to treat.
- Describe how to manipulate the two procedures.
- Increase the rate of success of the surgical act and cure formerly incurable teeth.

8:45 – 10:15 a.m.

A-200

Room 317

Dysfunction Junction: How Dental Teams Derail



Linda W. Drevenstedt, M.S.
St. Augustine, Fla.

*Moderator: Deborah S. Bishop, D.M.D.
Huntsville, Ala.*

Dental teams are made up of highly talented, experienced and skilled professionals, and yet the group as a team may not be reaching its full potential. This session explores five team dysfunctions or road blocks, and strategies to boost team performance. Bring your entire team and leave with an action plan to implement immediately.

At conclusion, participants should be able to:

- Use skills to handle conflict and know team traits that deplete team energy.
- Identify team personality styles and how they affect performance, and recharge the TEAM Commitment.
- Implement five steps to reach new levels of team performance, and employ a model for having a “crucial” conversation with anyone.

A-201

Room 318

Infection Control and Instrument Reprocessing for the Endodontic Practice



Jackie Dorst, R.D.H.
Fernandina Beach, Fla.

*Moderator: Lori D. Hicks
Huntsville, Ala.*

An efficient, well-designed sterilization system assures a sterile endodontic instrument treatment package for each patient even during the busiest days. The instrument reprocessing area should be designed for efficient flow of staff and instruments to prevent cross contamination and bottlenecks. This seminar will discuss the “Five Workstations for Instrument Reprocessing,” new technology for cleaning and sterilization, and sterile packaging and storage. Attendees will learn valuable time-saving tips for instrument reprocessing in this fun and upbeat seminar.

At conclusion, participants should be able to:

- List the five steps (workstations) for instrument reprocessing.
- Describe the use of biological monitors and internal chemical indicators for sterility assurance.
- Categorize proper packaging and sterilization of endodontic instruments by the Spalding Classification System.

D-200

Room 323 C

Diagnosis of Neuropathic Orofacial Pain



Glenn T. Clark, D.D.S., M.S.
Los Angeles, Calif.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

This lecture focuses on chronic orofacial pain of neuropathic origin. Differential diagnosis requires an understanding of the underlying mechanisms of pain induction, nerve injury, repair, sensitization, sympathetic pain maintenance and spontaneous ectopic pain generation. The diagnostician must be able to perform various analgesic and medication trials, and perform sensory testing procedures. Finally, he/she must be able to understand how these procedures combine with historical symptom and behavioral assessment information.

At conclusion, participants should be able to:

- Describe the basic neuroanatomy and neurophysiology of the trigeminal nociceptive system.
- List the various mechanisms of neurogenic pain underlying atypical odontalgia and phantom tooth pain phenomena.
- Describe current therapy methods, including medications used to diagnose and manage neurogenic orofacial pains.

I-200

Room 314

Endodontic Treatment or Extraction and Implants: Evidence?



Shane N. White, B.Dent.Sc., M.S., M.A., Ph.D.
Los Angeles, Calif.

*Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.*

Implant and root canal treatment options will be compared from diagnosis and treatment planning, all the way through to prognosis and treatment outcome, as viewed from the perspective of a trained prosthodontist and endodontist. Outcome criteria, types of studies and clinical performance will be discussed. Areas of close similarity or profound difference will be identified.

At conclusion, participants should be able to:

- Describe the common goals of implant and root canal treatment.
- Identify the limitations of current clinical outcome data.
- Compare and contrast the differences in implant and root canal therapies.

FRIDAY



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

8:45 – 10:15 a.m. (continued)

IG-200

Room 315

Microendodontics: Redefining the Surgical and Nonsurgical Possibilities



Stephen P. Niemczyk, D.M.D.
Drexel Hill, Pa.

*Moderator: James K. Bahcall, D.M.D., M.S.
Milwaukee, Wis.*

The implementation of the surgical operating microscope has enabled the practitioner to perform at a more precise and exact level, but this advantage is not without its share of complications. Difficulties in positioning, hemostasis, and manipulation of tissue and materials are commonplace, and have an impact on the execution of the selected procedure. This presentation addresses those concerns in conjunction with solutions for these and other procedural hurdles.

At conclusion, participants should be able to:

- Describe the basic positioning principles for surgical and nonsurgical visualization using direct and indirect vision.
- Adapt available armamentarium for conventional and nonconventional use in the selected field.
- Apply the principles outlined to their surgical and nonsurgical practice.

IG-201

Room 323 A/B

Imaging in Endodontics



W. Paul Brown, D.D.S.
Palo Alto, Calif.



Eric J. Herbranson, D.D.S., M.S.
San Leandro, Calif.



John T. McSpadden, D.D.S.
Lookout Mountain, Ga.



Christine I. Peters, D.D.S.
San Francisco, Calif.



Ove A. Peters, D.M.D.
San Francisco, Calif.

*Moderator: Jarshen Lin, D.D.S.
Boston, Mass.*

This five-part symposium on the potential of high-end endodontic imaging techniques will show clinicians the newest methods of visualizing internal structures of bone, teeth and root canal systems. It will cover the use of cone-beam CT, high-resolution micro CT, synchrotron scanning and serial photography. The most effective means for transferring information about the common complexities of dental anatomy is through stereo imaging and this symposium will present an array of spectacular images and animated objects while discussing the application of these data and research results to all phases of clinical endodontics.

At conclusion, participants should be able to:

- Describe various tools needed to produce three-dimensional images of dental structures and acknowledge new avenues in patient care due to these emerging technologies.
- Recognize the potential of 3-D stereoscopic images for education, clinic and research.
- Implement this knowledge in the everyday endodontic clinical practice.

NS-200

Room 312

Endodontic Retreatment



Frederic Barnett, D.M.D.
Narberth, Pa.



Gilberto J. Debelian, D.M.D., Ph.D.
Bekkestua, Norway

*Moderator: Fernando J. Meza, D.M.D.
McLean, Va.*

Workshop Fee: \$400 early/\$450 standard

This hands-on course was designed to provide insight into the materials and techniques used during retreatment cases. After a video introduction of clinical demonstrations of retreatment procedures, the participants will work on prepared extracted teeth under a microscope. Topics that will be discussed include removal of root-filling materials, removal of separated instruments and posts, location of untreated canals and repair of perforations.

At conclusion, participants should be able to:

- Describe the contemporary methods for endodontic retreatment.
- List the material and methods demonstrated in clinical situations.
- Discuss the limitations of nonsurgical retreatment.

NS-201

Room 316 A/B

Radiographic Evaluation and Follow-Up



Dag S. Ørstavik, D.M.D., Ph.D.
Oslo, Norway

*Moderator: Emmanuel O. Delano, B.D.S., M.S.
Christiansted, U.S. Virgin Islands*

The presentation will review current methods and techniques for radiographic evaluation of endodontic treatment. Qualitative, semi-quantitative and quantitative methods will be detailed and discussed with emphasis on their reproducibility and usefulness in different clinical settings.

At conclusion, participants should be able to:

- Recognize and discriminate among the different methods of radiographic follow-up evaluation.
- List the strengths and limitations of follow-up of one's own cases.
- Assess the usefulness of radiographic follow-up in testing endodontic methods, medicaments and materials.

NS-202

Room 316 C

Treatment of Endodontic Infections



J. Craig Baumgartner, D.D.S., M.S., Ph.D.
Portland, Ore.

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.*

Our understanding of endodontic infections and the appropriate treatment of endodontic diseases has increased significantly over the last decade. Molecular methods have given us new insight into the organisms present in endodontic infections. In addition to bacteria, recent studies have focused on fungi, viruses and spirochetes. The appropriate clinical treatment and pharmacotherapeutics for patients with abscesses and cellulitis of endodontic origin will be described, including a hierarchy of antibiotics.

At conclusion, participants should be able to:

- Describe the significance of microbes in abscesses and cellulitis.
- Describe methods for effective drainage to include needle aspiration, incision for drainage and trephination.
- Discuss a hierarchy of antibiotics for supportive therapy.

PM-200

Room 320

I Have My Certificate in Endo...Now What Do I Do?



Terry A. Propper, D.D.S., M.S.
Brentwood, Tenn.



Gorganna Randolph
Cedar Park, Texas



Clara M. Spatafore, D.D.S., M.S.
Sewickley, Pa.



Kenneth C. Thomalla
New Castle, Pa.



Russell Vanderslice
Tulsa, Okla.

*Moderator: John S. Olmsted, D.D.S., M.S.
Greensboro, N.C.*

This session will help residents and new endodontists with some guidelines towards establishing an endodontic practice. Participants will also have the opportunity to learn how to establish a relationship with their referring dentists and patients with a targeted marketing plan. Individuals planning to establish a practice will be educated on the infrastructure issues of time management, patient communications, data management and office policy. The insurance needs of an endodontic practice will also be explained, including plans for retirement, education, life insurance to cover indebtedness and disability to cover practice income. New endodontists will also have an opportunity to learn rules for finding the right personnel.

At conclusion, participants should be able to:

- List the advantages of associateship, partnership and provisions for transition in an endodontic practice, and write a plan for establishing a relationship with referring dentists.
- List the items necessary for developing the best infrastructure for an endodontic practice and utilize target marketing for its development.
- Select appropriate insurance coverage, as well as the steps needed to recruit and retain an "A-Team Staff."



Educational Sessions

8:45 – 10:15 a.m. (continued)

SP-200

Room 324

Vertical Root Fractures: Understanding Their Biomechanics and Early Diagnosis May Save Frustration and Aggravation (8:45 – 9:30 a.m.)



Zvi Metzger, D.M.D.
Ramat Aviv, Israel

*Moderator: Eric M. Rivera, D.D.S., M.S.
Chapel Hill, N.C.*

Vertical root fractures are difficult to predict and often misdiagnosed. Understanding and recognizing their clinical features and the biomechanics involved may result in a rationale for reducing their risk and their consequential damage. Recent surveys on the clinical and radiological manifestations of vertical root fractures will be reviewed, aiming to improve the nonsurgical diagnostic ability of the operator. The author's current studies on strains induced in radicular dentin during lateral condensation, which shed new light on biomechanics of vertical root fractures and may provide further clues towards their prevention, will be presented and discussed.

At conclusion, participants should be able to:

- List the reasons why vertical root fractures are often misdiagnosed.
- Describe the biomechanical factors that may increase the risk of vertical root fractures.
- Adopt endodontic procedures that may minimize that risk.

Cracked Teeth—Diagnosis and Treatment (9:30 – 10:15 a.m.)



Ronald O. Segall, D.M.D.
Arden, N.C.

*Moderator: Eric M. Rivera, D.D.S., M.S.
Chapel Hill, N.C.*

This presentation will describe methods of diagnosing and treating cracked teeth, as well as determining whether root canal treatment is necessary or indicated. The presentation will also discuss a way of preventing unnecessary root canal treatment.

At conclusion, participants should be able to:

- Diagnose cracked teeth.
- Evaluate whether root canal treatment is necessary.
- Place orthodontic bands easily.

SP-201

Room 325

Root Canals and Reporters: Media Training for Endodontists



Heidi Umbhau
Chicago, Ill.

Workshop Fee: \$100 early/\$150 standard

Emmy Award-winning television journalist Heidi Umbhau will show you how to parlay your dental expertise into print and broadcast media exposure. As part of the AAE's public awareness campaign, *Endodontists: the root canal specialists*, this workshop is designed to help you identify and capitalize on local media opportunities, and communicate positive endodontic messages with authority, concern and credibility. Individualized, videotaped exercises will sharpen your media skills and prepare you for on-camera interviews. For anyone interested in promoting their practice or endodontics in their local community, this interactive workshop is a must.

At conclusion, participants should be able to:

- Explain how media organizations research, develop and report health care news.
- Tailor endodontic messages for newspapers, radio and television stations, and Internet outlets, and develop and deliver powerful sound bites.
- Control interviews by answering questions effectively and bridging to positive endodontic messages.

Endodontists
the root canal specialists

10:30 a.m. – noon

A-200 Continued

Room 317

Dysfunction Junction: How Dental Teams Derail

Linda W. Drevenstedt, M.S., *St. Augustine, Fla.*

Moderator: Deborah S. Bishop, D.M.D., *Huntsville, Ala.*

See page 29 for a complete session synopsis.

A-202

Room 318

Infection Control for Technology Equipment – Computers and Microscopes



Jackie Dorst, R.D.H.
Fernandina Beach, Fla.

Moderator: Lori D. Hicks
Huntsville, Ala.

Technology such as computers and microscopes used during endodontic procedures present infection control challenges for the clinical team. This seminar discusses proper cleaning, disinfection and use of barriers to prevent cross contamination of microorganisms from patient to patient, patient to staff, and staff to patient. Manufacturer recommendations and how clinicians can evaluate the efficacy of products according to EPA, FDA and CDC guidelines will be discussed. Attendees will also learn how to protect expensive equipment while providing a clean, safe treatment area for patients and staff.

At conclusion, participants should be able to:

- List the benefits and limitations of disinfectants and barriers.
- Define EPA, FDA and CDC, and understand the scope of each agency.
- Identify touch and splash surfaces, and evaluate infection control products for efficacy.

D-201

Room 323 C

Cracked Teeth and Vertical Root Fractures



Aviad Tamse, D.M.D.
Tel Aviv, Israel

Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.

In cracked vital teeth or fractured roots, correct diagnosis should be made quickly. Diagnosis is difficult since tooth loss, either occasionally or always, is the end result. Four main

categories of fractured teeth and roots will be described: fractured cusp, cracked tooth, split tooth and vertical root fractures. Etiology, signs and symptoms, and available diagnostic aids will be discussed to help the clinician determine the pain source, and the nature and extent of the fracture.

At conclusion, participants should be able to:

- Describe the different categories of cracked teeth and fractures.
- Incorporate this knowledge into the etiology, signs and symptoms of these entities.
- Apply various diagnostic aids to make a quick and correct clinical diagnosis.

I-201

Room 314

Fresh Socket Implants and Immediate Loading



Harold Alexander, Ph.D.
Springfield, N.J.



Gabriele Pecora, D.D.S.
Rome, Italy

Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.

The presentation will address the various aspects of fresh socket implants with immediate loading. Participants will look at the situation from the patient's perspective, evaluate ethical considerations and the available and possible therapeutic modalities. A focus will be placed on the advantages and disadvantages of different implant types, anatomic aspects, occlusal problems, aesthetic features, bone regeneration strategies, postural benefits (splint vs. single, PDL vs. no PDL), maintenance of bone and facial structures and long-term results. A simplified technique will be described that accounts for both the need for bone regeneration and the opportunity for immediate loading. A two-year clinical experience with immediate loading of both posterior and anterior implants will be discussed. Indications and contraindications will be explored in detail.

At conclusion, participants should be able to:

- Make an accurate diagnosis.
- Evaluate multiple alternative therapeutic options.
- Perform implantation surgery applying a technique appropriate to each specific case.

FRIDAY



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

10:30 a.m. – noon (continued)

IG-201 Continued

Room 323 A/B

Imaging in Endodontics

W. Paul Brown, D.D.S., *Palo Alto, Calif.*

Eric J. Herbranson, D.D.S., M.S., *San Leandro, Calif.*

John T. McSpadden, D.D.S., *Lookout Mountain, Ga.*

Christine I. Peters, D.D.S., *San Francisco, Calif.*

Ove A. Peters, D.M.D., *San Francisco, Calif.*

Moderator: Jarshen Lin, D.D.S., *Boston, Mass.*

See page 30 for a complete session synopsis.

IG-202

Room 315

Microscopic Photography



Gianluca Gambarini, D.D.S.
Rome, Italy

Moderator: Marc P. Gimbel, D.M.D.
Montville, N.J.

The lecture will show the most important features for an operative microscope's magnification, light sources, zooms and focus to allow excellence in both the clinical results and the digital images. The various devices and their connections with the microscope will be analyzed, providing useful hints to improve efficacy and user friendliness of both microscope and cameras or camcorders. Good quality and easy-to-process pictures and videos are an essential tool for communication with referrals, patients and colleagues during discussions.

At conclusion, participants should be able to:

- List the important features in a microscope that allow good quality images and videos.
- Choose among the various camcorder and cameras.
- Improve the quality and user friendliness of microscopic photography and video.

NS-200 Continued

Room 312

Endodontic Retreatment

Frederic Barnett, D.M.D., *Narberth, Pa.*

Gilberto J. Debelian, D.M.D., Ph.D., *Bekkestua, Norway*

Moderator: Fernando J. Meza, D.M.D., *McLean, Va.*

See page 30 for a complete session synopsis.

NS-203

Room 316 A/B

Root Canal Access, Preparation and Consideration



Arnaldo Castellucci, D.D.S., M.D.
Florence, Italy

Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.

It is universally accepted that a successful outcome in endodontic therapy depends on three factors: cleaning and shaping, disinfection and three-dimensional obturation of the root canal system. However there is another step that precedes and affects all three—this is the preparation of the access cavity. During this presentation, the requirements, objectives and principles for the preparation of the access cavity will be discussed, from the central incisor to the third molar.

At conclusion, participants should be able to:

- List the reasons why the correct preparation of an adequate access cavity is so important, in order to easily be able to localize all the existing orifices of the root canals.
- Describe the clinical procedure to prepare the access cavity in any kind of teeth.
- Describe the clinical procedure to find any hidden orifice, particularly the opening of MB2.

PM-200 Continued

Room 320

I Have My Certificate in Endo...Now What Do I Do?

Terryl A. Propper, D.D.S., M.S., *Brentwood, Tenn.*

Gorganna Randolph, *Cedar Park, Texas*

Clara M. Spatafore, D.D.S., M.S., *Sewickley, Pa.*

Kenneth C. Thomalla, *New Castle, Pa.*

Russell Vanderslice, *Tulsa, Okla.*

Moderator: John S. Olmsted, D.D.S., M.S., Greensboro, N.C.

See page 31 for a complete session synopsis.

PM-201

Room 316 C

Principles of Office Design and Renovation



Paul G. Satchell, D.D.S., M.S.
Houston, Texas

*Moderator: Christopher S. Wenckus, D.D.S.
Chicago, Ill.*

Endodontic office design should reflect the state of the art that the specialty has achieved. This presentation will provide guidelines and inspiration for the design of new construction and existing renovation. Starting with a brief history of the dental office, the program will include dramatic images of offices from around the globe, detailed case studies of recent designs and much more. The differences between specialty and general practice design, and the role of the practitioner in the process will also be discussed.

At conclusion, participants should be able to:

- Identify endodontic office design trends for new and renovated offices, and integrate these ideas with the functional needs of their own office.
- List the elements of a stress-reduced environment for endodontists, patients and staff.
- Apply the three classic components of the design process to improve office efficiency, comfort and aid in better health care delivery.

SP-201 Continued

Room 325 A/B

Root Canals and Reporters: Media Training for Endodontists

Heidi Umbhau, *Chicago, Ill.*

See page 32 for a complete session synopsis.

SP-202

Room 324

Replacement Root Resorption: Is it a Predictable Failure? (10:30 – 11:15 a.m.)



Nestor Cohenca, D.D.S.
Seattle, Wash.

*Moderator: Stephen P. Niemczyk, D.M.D.
Drexel Hill, Pa.*

Teeth that were kept extraorally in a dry environment for more than 60 minutes develop replacement root resorption. One of the negative sequela of an ankylosed tooth is its infraposition and the nondevelopment of the alveolar bone, which might complicate future prosthetic rehabilitation. New approaches for the prevention and treatment of ankylosed teeth, including decoronation and bone augmentation for the preservation of alveolar ridge prior to permanent prosthetic reconstruction will be thoroughly discussed and illustrated.

At conclusion, participants should be able to:

- Describe the etiology and diagnosis of replacement root resorption.
- Apply the current clinical protocols for the treatment of avulsed teeth.
- Identify new approaches for the prevention and treatment of ankylosed teeth.



Educational Sessions

10:30 a.m. – noon (continued)

SP-202 (continued)

Room 324

Treating Root Resorption: A 45-Year Progression (11:15 a.m. – noon)



Noah Chivian, D.D.S.
West Orange, N.J.

*Moderator: Stephen P. Niemczyk, D.M.D.
Drexel Hill, Pa.*

The multifaceted problems of treating internal and external root resorption will be examined from a historical perspective. Although there are many treatment choices, the course of action is determined by the origin of the resorptive process. Diagnosis will be discussed to set the stage for the reparative phase. The progression of repair materials will be reviewed as they pertain to the evolution of techniques that have been used over the last four decades.

At the conclusion, participants should be able to:

- Distinguish between internal and external resorptions, and select those teeth that have a reasonable prognosis.
- Determine a treatment approach best suited for the existing problem, i.e., none, nonsurgical or surgical treatment, or orthodontic extrusion.
- Describe the indications for using calcium hydroxide, gutta-percha, MTA and other materials in repairing resorptive defects.

12:45 – 2:15 p.m.

A-200 Continued

Room 317

Dysfunction Junction: How Dental Teams Derail

Linda W. Drevestadt, M.S., *St. Augustine, Fla.*

Moderator: Deborah S. Bishop, D.M.D., Huntsville, Ala.

See page 29 for a complete session synopsis.

A-203

Room 318

Management of the Anxious Patient: A Team Approach



Kathleen M. Gehring
Lake Elmo, Minn.



Alan S. Law, D.D.S., Ph.D.
Lake Elmo, Minn.



Dawn Wogan, C.D.A., R.D.A.
Lake Elmo, Minn.

*Moderator: Bruce C. Justman, D.D.S.
Iowa City, Iowa*

This presentation will discuss and highlight the importance of the team approach when treating an anxious patient. From the initial contact the patient has with the practice to the actual visit, options will be discussed to help make the time a patient spends in an endodontic office a favorable experience. Tips for identifying the anxious patient by both the front office staff and dental assistants will be discussed, along with pharmacological management of anxiety when needed.

At conclusion, participants should be able to:

- Identify the anxious patient from the first contact and start making the experience a positive one.
- List effective behavior management techniques for management of the anxious patient.
- Describe the pharmacological management of the anxious patient, including legal issues, types of drugs and indications.

D-202

Room 323 C

Differential Diagnosis of Radiographic Lesions



Michael D. Rohrer, D.D.S., M.S.
Minneapolis, Minn.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

This session will cover radiographic lesions that may be encountered in the practice of endodontics and general dentistry. The emphasis will be on radiolucent lesions that are associated with or near roots of teeth. Mixed radiolucent/radiopaque and some radiopaque lesions will also be covered. A simple organizational paradigm for developing a differential diagnosis will be presented. Guidelines for treatment/no treatment, biopsy/no biopsy will be discussed. Histopathology of the lesions will support the differential diagnosis scheme.

At conclusion, participants should be able to:

- Develop a differential diagnosis for radiographic lesions in the jaws that are significant to the practice of endodontics.
- Develop a threshold for treatment decision making.
- Describe the histopathologic basis for diagnosis and prognosis of various jaw lesions.

I-202

Room 314

Limits of Conservative Therapy: Endodontic Treatment or Implant?



Kent L. Knoernschild, D.M.D., M.S.
Chicago, Ill.



Gabriele Pecora, D.D.S.
Rome, Italy



Jerome H. Stroumza, D.D.S., M.S., D.Sc.
San Francisco, Calif.



Shane N. White, B.Dent.Sc., M.S., M.A., Ph.D.
Los Angeles, Calif.

*Moderator: Bradford R. Johnson, D.D.S.
Chicago, Ill.*

This panel discussion will be a fast-paced, interactive presentation with active audience participation. Each member of the panel will present a series of complex cases along with a list of possible treatment options. Audience participants will have the opportunity to “vote” on the best treatment option using an audience-response system. Results of the audience poll will then be compared to the presenter’s actual treatment choice, rationale for treatment and outcome.

At the conclusion, participants should be able to:

- List at least three possible treatment approaches for the management of each of the complex cases presented.
- Describe the evidence to support the various treatment options.
- Discuss the relative risks, benefits and prognosis for endodontic treatment/retreatment compared to extraction and placement of an implant.

NS-204

Room 316 A/B

Root Canal Instrumentation Techniques



William P. Saunders, B.D.S, Ph.D.
Dundee, Scotland

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.*

This presentation will provide the scientific basis for root canal instrumentation along with an overview of contemporary methods by which instrumentation of the root canal space may be achieved during nonsurgical root canal treatment. Issues such as apical patency filing, extent and diameter of preparation, and hand vs. rotary techniques will be discussed in the context of the existing scientific literature.

At conclusion, participants should be able to:

- Describe and apply current principles for root canal instrumentation.
- List the advantages and disadvantages of stainless steel and nickel-titanium instruments.
- Explain how instrumentation methods influence cleaning of the root canal system.



Educational Sessions

12:45 – 2:15 p.m. (continued)

PM-202

Room 320

Evidenced-Based Selection: Hiring the Best Employees for Your Practice



Robert S. Rubin, M.A., Ph.D.
Chicago, Ill.

*Moderator: Martin J. Rogers, D.D.S.
Glenview, Ill.*

It has been estimated that managers make effective staffing decisions less than 33 percent of the time. Yet, even with the potentially damaging outcomes of poor hiring, e.g., turnover costs, staffing shortages, etc., conventional wisdom continues to purport “going with your gut.” Unfortunately, our “gut” is usually inaccurate when deciding who will be a great performer. In order to improve the success rate, it is imperative to learn and use evidence-based hiring techniques – practices that work.

At conclusion, participants should be able to:

- Articulate the benefit of using evidence-based approaches in hiring employees.
- Increase their confidence regarding how to conduct effective interviews.
- Describe the most important steps involved successfully hiring employees.

SP-203

Room 312

MTA Delivery



Edward S. Lee, D.D.S.
San Francisco, Calif.

*Moderator: Harmon R. Katz, D.D.S.
New Brunswick, N.J.*

Workshop Fee: \$150 early/\$200 standard

Delivering MTA to small preparations in the root can be challenging. Workshop participants will learn about an easy way of delivering MTA for both surgical and nonsurgical endodontic procedures. This technique does not rely on the traditional tube and plunger device. Participants will learn how to form and deliver pellets of MTA in an efficient and predictable manner.

At conclusion, participants should be able to:

- List the physical properties of MTA and how to manipulate MTA.
- Apply this knowledge and master the technique through hands-on participation.
- Compare and contrast this technique with other delivery techniques.

SP-204

Room 315

Ultrasonics in Endodontics: Where We've Been and Where We're Going (12:45-1:30 p.m.)



John M. Nusstein, D.D.S., M.S.
Dublin, Ohio

*Moderator: Alexandre A.P. Fleury, D.D.S., M.S.
Plano, Texas*

Ultrasonics has a long history in endodontics. This presentation will review the mechanisms of ultrasonics, the traditional uses and introduce a new concept – ultrasonic irrigation. Ultrasonic irrigation utilizes an irrigating needle connected to an ultrasonic unit and syringe and used post-debridement as a final step prior to canal obturation. Research results of this new concept will be presented.

At conclusion, participants should be able to:

- Describe the mechanisms involved in ultrasonic cleaning of canals.
- List the different ways ultrasonics can be utilized in endodontics.
- Describe the actions and benefits of ultrasonic irrigation on canal cleanliness.

Do Procedural Mishaps Cause Endodontic Treatment Failure? (1:30-2:15 p.m.)



Louis M. Lin, D.M.D., Ph.D.
New York, N.Y.

*Moderator: Alexandre A.P. Fleury, D.D.S., M.S.
Plano, Texas*

Procedural mishaps, such as underfilling, overfilling, perforations and separated instruments are possible complications of endodontic therapy. Although these procedural mishaps have different causes, they all may affect the outcome. Endodontic treatment failure is primarily caused by persistent intraradicular infection. Endodontic procedural mishaps are not the direct cause of treatment failure. Rather, they increase the risk of treatment failure because the clinician is not able to effectively eliminate intraradicular bacteria from the infected root canals.

At conclusion, participants should be able to:

- Describe the causes of procedural mishaps.
- List the possible effects of procedural mishaps on the outcome of endodontic therapy.
- Realize that persistent intraradicular infection is the primary cause of periradicular inflammation.

SP-205

Room 316 C

ABE Boardwalk



William G. Schindler, D.D.S., M.S.
President, American Board of Endodontics
San Antonio, Texas

While the process to become a Diplomate requires significant dedication and commitment, the benefit – ultimate recognition of your knowledge and expertise in endodontics – is well worth the hard work and effort. Join the ABE Directors for a panel discussion focused on the Board Certification Process.

Highlights include:

- The sequencing of the Certification Process;
- Our new category, “Prospective Board Candidates,” which allows students enrolled in an ADA-accredited endodontic program to take the Written Examination the same year as graduation;
- Computerized Written Examination—structure of examination and expanded dates;
- Case History Portfolio—using the guidelines for a successful notebook; and
- Oral Examination—the structure and administration of the oral examination.

Additional Presenters – American Board of Endodontics Board of Directors:

Carl W. Newton, D.D.S., M.S.D., Secretary
Keith V. Krell, D.D.S., M.S., M.A., Treasurer
J. Craig Baumgartner, D.D.S., M.S., Ph.D.
Paul D. Eleazer, D.D.S., M.S.
Linda G. Levin, D.D.S., Ph.D.
Al Reader, D.D.S., M.S.
Paul A. Rosenberg, D.D.S.
Christopher S. Wenckus, D.D.S.

SP-206

Room 323 A/B

Root Canal Length Measurement—Efficiently, Effectively...Electronically (12:45 – 1:30 p.m.)



Stephen M. Weeks, D.D.S.
Mundelein, Ill.

Moderator: Ashraf F. Fouad, B.D.S., D.D.S., M.S.
Baltimore, Md.

This presentation will review the best available clinical operating parameters to increase accuracy and reliability of the current “generation” of apex locators. A practical approach will be emphasized, with specific recommendations for making the use of these devices efficient and effective.

At conclusion, participants should be able to:

- Discuss the pitfalls and relative merits of electronic and radiographic means of canal length measurements based on considerations of root-end anatomy.
- Describe the most common sources of inaccuracy and inconsistency when using electronic devices to measure working length.
- Implement or continue the use of electronic root canal length measurement in daily practice more effectively.

Can I Cut Here? If I Initiate a Problem, What Should I Do? (1:30– 2:15 p.m.)



James A. Wallace, D.D.S., M.D.S.
Pittsburgh, Pa.

Moderator: Ashraf F. Fouad, B.D.S., D.D.S., M.S.
Baltimore, Md.

Endodontic surgical anatomy of vessels and nerves, such as posterior superior alveolar, nasopalatine, mental and mandibular, will be presented via illustrations, cadaver specimens and clinical cases. Techniques to handle problems associated with these structures will be discussed and the nasal cavity and maxillary sinus along with other structures will be covered.

At conclusion, participants should be able to:

- Be aware of anatomy involved in endodontic surgery and apply this to patient treatment.
- Avoid surgical problems.
- Manage problems if they develop.



Educational Sessions

12:45 – 2:15 p.m. (continued)

SP-207

Room 324

Clinical Application of 2% Chlorhexidine Gel in Endodontics (12:45 – 1:30 p.m.)



Fabricio B. Teixeira, D.D.S., M.Sc., Ph.D.
Chapel Hill, N.C.

*Moderator: Frederic Barnett, D.M.D.
Narberth, Pa.*

Several substances and techniques have been suggested to reduce or eliminate the bacteria from the root canal system during and after the instrumentation. Chlorhexidine-gluconate has demonstrated promising results because of its antimicrobial action in infected teeth. Aside from having exceptional antimicrobial activity, another favorable characteristic of chlorhexidine is substantivity. This presentation will discuss the chemical-mechanical ability and properties of 2% chlorhexidine gel as an irrigant and intracanal medicament based on clinical and research outcomes.

At conclusion, participants should be able to:

- Discuss the importance of optimal root canal disinfection.
- Describe the advantages of 2% CHX gel as irrigant solution.
- Describe the advantages and disadvantages of its use as intracanal medicament.

Endodontic Irrigation via Differential Negative Pressure (1:30 – 2:15 p.m.)



G. John Schoeffel, D.D.S., M.M.S.
Dana Point, Calif.

*Moderator: Frederic Barnett, D.M.D.
Narberth, Pa.*

Although a variety of endodontic irrigants and methods have been recently introduced, a system capable of delivering these irrigants safely, abundantly and rapidly to the apex has remained elusive. A new endodontic irrigant delivery system, based on differential intercanal negative pressure has been shown to be effective in precisely directing and controlling the flow of endodontic irrigants. The fluid dynamics of this negative pressure process in the clinical situation will be explained and supported with current research.

At the conclusion, participants should be able to:

- Describe the physical principles, dynamics and characteristics of delivering endodontic irrigants to the apical termination under clinical conditions via differential negative pressure.
- List current evidence-based studies (microscopic, SEM and microbiological) demonstrating canal cleanliness in the apical.
- Incorporate the technique into clinical practice.

9 – 10:30 a.m.

A-300

Room 318

Peak Performance for the Endodontic Practice



David M. Reznik, D.D.S.
Atlanta, Ga.

*Moderator: Bruce C. Justman, D.D.S.
Iowa City, Iowa*

Let's take your practice and your team to "Peak Performance." Five practice success dynamics will be discussed in the first session and five more fast-track business principles will be provided in the second. Powerful team leadership is key to ensuring that patient care is the top priority, along with establishing your accomplishments.

At conclusion, participants should be able to:

- Promise less and deliver more – to the patients, to the practice and to each other.
- Plan the work from the end to the beginning, and then execute the plan from start to finish.
- Measure only what matters and make changes that measure up to Peak Performance.

D-300

Room 319

Endodontic-Periodontic Problems: Should We Extract or Treat?



Bernice T. Ko, D.D.S.
Los Angeles, Calif.



Todd H. Yamada, D.D.S., M.S.
Los Angeles, Calif.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

The popularity and success of dental implants has altered the philosophy of treatment and treatment strategy of the endodontic-periodontic-involved tooth. However, the clinical fundamentals of endodontic and periodontic treatment should not be dismissed, but trusted to lend reasonable treatment and prognosis similar to that of dental implants. Strategic efforts to treat the endodontic-periodontic lesion, including bone grafting, soft tissue grafting, guided tissue regeneration, root resection, root resorption repair and flap management for surgical endodontic treatment will be discussed. Should unanticipated problems occur during the course of treatment that result in tooth loss, the endodontist and periodontist can serve as a superb

team to enhance the treatment outcome by anticipating what is needed for tooth replacement, including the placement of a dental implant.

At conclusion, participants should be able to:

- Deliver more comprehensive treatment of the endodontic-periodontic problem with enhanced knowledge of periodontic techniques to improve treatment prognosis.
- Describe how to improve endodontic-periodontic flap management for surgical endodontic treatment.
- Apply this knowledge toward making crucial treatment decisions as to the treatment or extraction of a tooth.

NS-300

Room 316 A/B

Root Canal Instrumentation Techniques: Expectations vs. Reality



Ove A. Peters, D.M.D.
San Francisco, Calif.

*Moderator: Fabricio B. Teixeira, D.D.S., M.Sc., Ph.D.
Chapel Hill, N.C.*

Root canal instrumentation is a major part of daily endodontic practice and is done with great attention to detail. Clinicians trust that the techniques they use render the expected results; only recently have bench-top and clinical outcome studies addressed the efficacy of various clinical procedures. This presentation examines manufacturer claims and traditional concepts, and points to future research directions. In summary, the clinician will be better able to use root canal instrumentation techniques to maximize success.

At conclusion, participants should be able to:

- Describe various effects of root canal instrumentation on canal shape and canal surface morphology.
- List factors that affect mechanical properties and intracanal behavior of nickel-titanium instruments.
- Integrate this knowledge into clinical practice, attempting to increase the proportion of successful treatment outcomes.

SATURDAY



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

9 – 10:30 a.m. (continued)

NS-301

Room 316 C

The Outcome of Nonsurgical Endodontic Treatment



Shimon Friedman, D.M.D.
Toronto, Ontario, Canada

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.*

The projected chance of success or healing after endodontic treatment often determines if the tooth will be treated, or extracted and replaced. Individual patients, however, may ask about the chance of retaining the tooth in function, and weigh it against the outcome of replacing the tooth. This lecture will summarize the literature and define the outcome of initial treatment and retreatment on the levels of healing and functionality, and highlight outcome predictors for both procedures.

At conclusion, participants should be able to:

- Describe appropriate outcomes for nonsurgical endodontic treatment.
- Define the outcome of initial treatment and retreatment on the levels of healing and functionality.
- Identify clinical factors that can predict the outcome of nonsurgical treatment.

PM-300

Room 317

Going Into Private Practice? Food for Thought in Luau Land! (9 – 9:45 a.m.)



Keith V. Krell, D.D.S., M.S., M.A.
West Des Moines, Iowa

*Moderator: Kenneth J. Zucker, D.D.S., M.S.
St. Paul, Minn.*

At any stage in life, there are numerous distractions in trying to start a “New Job.” Most applicants (new practitioners!) may not ask the correct questions when interviewing for a position. This may later result in a workplace environment that is unpleasant and filled with surprises and stress. The purpose of this PowerPoint®-driven presentation is to provide new practitioners who are going into private practice with a list of questions they should be asking themselves and whomever they will be joining as an associate and/or future partner, so they may avoid pitfalls in the future and have a more stress-free workplace.

At conclusion, participants should be able to:

- State the positive impact they will have upon entering a private practice.
- Identify and state their practice philosophy and what to discuss with a potential employer/partner (marketing, holidays, vacations, liability, etc.).
- List common areas of agreement and disagreement in the management styles they are considering (hiring/firing of assistants, front-office, business manager, etc.).

Transition In/Transition Out – How to Do It (9:45 – 10:30 a.m.)



W. Paul Radman, D.D.S.
Dallas, Texas

*Moderator: Kenneth J. Zucker, D.D.S., M.S.
St. Paul, Minn.*

This presentation will expose the current resident as well as the established endodontist to the issues involved in practicing together or buying and selling the endodontic practice. Issues to be discussed are the valuation of an endodontic practice, employment and purchase contracts, and the tax implications for the buyer and seller of a practice.

At conclusion, participants should be able to:

- Describe the value of association in a practice.
- Identify the value of a practice, whether buyer or seller.
- Discuss the need for competent legal and tax advice.

PM-301

Room 320

Growing Your Endodontic Practice in the 21st Century



John R. Hughes, D.D.S.
Tucson, Ariz.



Terrell F. Pannkuk, D.D.S., M.S.D.
Santa Barbara, Calif.



Joel C. Small, D.D.S.
Plano, Texas



David E. Witherspoon, B.D.S., M.S.
Plano, Texas

*Moderator: Kirk A. Coury, D.D.S., M.S.
Amarillo, Texas*

With the increasing number of endodontists and the fact that general dentists are performing more of their own endodontic procedures, the business of endodontics is rapidly changing. This discussion is designed to explore different techniques and strategies in which today's endodontic practices, large or small, can market their services beyond the ordinary and predictable. Aspects of marketing and practice management ranging from cultivating referral relationships to patient marketing, to implementing other treatment modalities such as implantology to provide a more complete treatment approach to patient care will be presented.

At conclusion, participants should be able to:

- Compare marketing and practice management programs in several endodontic practices.
- Implement various marketing and practice management strategies to generate referrals.
- Incorporate other treatment modalities to support and enhance the endodontic practice of the 21st century.

SP-300

Room 314

The Disconnect Between Available Evidence and Our Clinical Practice—Will it Lead to Our Extinction?

(9 – 9:45 a.m.)



Martin Trope, B.D.S., D.M.D.
Chapel Hill, N.C.

*Moderator: Scott B. McClanahan, D.D.S., M.S.
Burke, Va.*

There is ample evidence in the literature for clinical techniques that will lead to a 95 percent probability of success for teeth with both vital and infected canals. However, most “accepted” techniques disregard this evidence! This discussion will cover the available evidence for the treatment approaches for vital vs. infected cases with respect to working length, apical sizes, irrigating solutions, intracanal medications and root- and retrofilling materials and techniques.

At conclusion, participants should be able to:

- Know the expected prognosis for endodontic treatment techniques.
- Know what the literature suggests as to which techniques are required in order to gain the expected prognosis.
- Know the consequences of disregarding the literature.

Evidence-Based Decision Making in Endodontics

(9:45 – 10:30 a.m.)



Steven G. Starr, D.D.S.
St. George, Utah

*Moderator: Scott B. McClanahan, D.D.S., M.S.
Burke, Va.*

Are your treatment decisions based on unsupported or outdated empiric knowledge? The endodontic research database is replete with pearls of wisdom that can guide the clinician in every facet of treatment. Treatment issues faced in daily practice are addressed. This lecture is ideal for endodontists interested in a literature update, and especially those considering Board certification. Participants will appreciate the value and empowering confidence that comes from making clinical decisions backed by sound research literature.

At conclusion, participants should be able to:

- Evaluate research studies for validity.
- Build a personal databank of research articles that can immediately benefit the treatment of patients.
- Describe the importance of evidenced-based decision making.



Educational Sessions

9 – 10:30 a.m. (continued)

SP-301

Room 322

Dentin Sensitivity Revisited (9 – 9:45 a.m.)



Gunnar Hasselgren, D.D.S., Ph.D.
New York, N.Y.

*Moderator: Clara M. Spatafore, D.D.S., M.S.
Sewickley, Pa.*

Over the years, different theories regarding dentin sensitivity have been presented. All theories, from nerves in dentin to the hydrodynamic theory, have attempted to explain the mechanism(s) behind dentin sensitivity. However, the question, “why is dentin sensitive?,” has been left almost without any attempt at explanation. This presentation will deal with the “why” question and present studies and ideas that hopefully will trigger interest and research in this area.

At conclusion, participants should be able to:

- List three hypotheses dealing with mechanisms of dentin sensitivity.
- Describe studies that have found that nerve signaling in the tooth may be of importance for function and perception.
- Describe studies that may explain the presence of a multitude of nerve endings in the pulp.

Recognition, Pathophysiology and Comprehensive Treatment Care With a New Approach for Early Prophylactic Intervention (9:45 – 10:30 a.m.)



Van T. Himel, D.D.S.
Memphis, Tenn.



Marc E. Levitan, D.D.S.
Germantown, Tenn.

*Moderator: Clara M. Spatafore, D.D.S., M.S.
Sewickley, Pa.*

Dens evaginatus is an uncommon dental anomaly consisting of fragile cusp-like tubercles composed of a thin enamel layer and dentin core, which may contain a slender pulphorn extended to the dentinoenamel junction. Susceptibility to fracture from malocclusion soon after eruption may result in pulpal exposure. Therapy for immature vital permanent teeth is unpredictable and leaves compromised root structure when treating necrotic pulps. Prophylactic treatment to ensure root maturity has evolved as technology and materials have improved.

At conclusion, participants should be able to:

- Clinically recognize the *dens evaginatus* anomaly.
- Describe morphology of the anomaly.
- Treat various complications associated with this anomaly.

SP-302

Room 325

Root Canals and Reporters: Media Training for Endodontists



Heidi Umbhau
Chicago, Ill.

Workshop Fee: \$100 Early/\$150 Standard

Emmy Award-winning television journalist Heidi Umbhau will show you how to parlay your dental expertise into print and broadcast media exposure. As part of the AAE's public awareness campaign, *Endodontists: the root canal specialists*, this workshop is designed to help you identify and capitalize on media opportunities and communicate your messages with authority, concern and credibility. Individualized videotaped exercises will sharpen your media skills and prepare you for on-camera interviews.

At conclusion, participants should be able to:

- Explain how media organizations research, develop and report health care news.
- Tailor endodontic messages for print, broadcast and Internet outlets, and develop and deliver powerful sound bites.
- Control interviews by answering questions effectively and bridging to positive endodontic messages.

9 – 2:30 p.m.

IG-300

Room 312

Introduction to Endodontic Microscopy



Scott K. Bentkover, D.D.S.
Evanston, Ill.

*Moderator: Jarshen Lin, D.D.S.
Boston, Mass.*

This course is designed to train practitioners to operate the microscope through a tandem team approach, which will aid in integrating the use of this tool into almost any dental practice. The content will be directed towards both the new practitioner and the seasoned veteran who may be looking to hone their microscopic skills. Mastering concepts such as ergonomics, par focusing to accessing teeth, and locating calcified canals will be demonstrated.

At conclusion, participants should be able to:

- Identify and learn to operate the various components of the dental operating microscope.
- Create a more ideal working environment utilizing proper ergonomic positioning of the microscope, operator and patient.
- Apply microscopic endodontic techniques in locating calcified canals and discovering additional anatomy.

10:45 a.m. – 12:15 p.m.

A-300 Continued

Room 318

Peak Performance for the Endodontic Practice

David M. Reznik, D.D.S., *Atlanta, Ga.*

Moderator: Bruce C. Justman, D.D.S., *Iowa City, Iowa*

See page 41 for a complete session synopsis.

D-301

Room 319

The Clinical Relationships Between Endodontic Pain and Temporomandibular Disorders



Jeffrey P. Okeson, D.M.D.
Lexington, Ky.

Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.

The endodontist is routinely required to differentially diagnose dental pains. Often the clinical presentation of an odontogenic toothache may be masked by other pain conditions. This program will present information demonstrating how the deep pain associated with a toothache can be related and clinically confused with other sources of deep pains, such as musculoskeletal pains. Understanding this relationship will assist the endodontist in establishing the correct diagnosis.

At conclusion, participants should be able to:

- Describe the basic mechanisms by which the musculoskeletal structures are influenced by dental pains.
- Compare and contrast the clinical presentation of pulpal pains with musculoskeletal pains.
- Describe the types of temporomandibular disorder symptoms that may be present when a patient is experiencing pulpal pain.

NS-302

Room 316 A/B

Root Filling, Principles and Techniques



David E. Witherspoon, B.D.S., M.S.
Plano, Texas

Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.

A comprehensive knowledge of the principles involved in obturating the root canal system is essential in optimizing the outcome of nonsurgical root canal treatment. This presentation will explore the various choices of techniques available for filling the root canal system. The focus will be to critically examine the technical aspects of root canal obturation.

At conclusion, participants should be able to:

- Identify the general principles of root canal obturation.
- Discuss the various options available for root canal obturation.
- Describe the application of various root canal filling techniques.

PM-301 Continued

Room 320

Growing Your Endodontic Practice in the 21st Century

John R. Hughes, D.D.S., *Tucson, Ariz.*

Terrell F. Pannkuk, D.D.S., M.S.D., *Santa Barbara, Calif.*

Joel C. Small, D.D.S., *Plano, Texas*

Moderator: Kirk A. Coury, D.D.S., M.S., *Amarillo, Texas*

See page 43 for a complete session synopsis.

SATURDAY



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

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Educational Sessions

10:45 a.m. – 12:15 p.m. (continued)

SP-302 Continued

Room 325

Root Canals and Reporters: Media Training for Endodontists

Heidi Umbhau, *Chicago, Ill.*

See page 44 for a complete session synopsis.

SP-303

Room 314

Your Great Invention From Concept to Reality



Charles J. Goodis, D.D.S.
Albuquerque, N.M.



Frank Lentine
Taylor, Mich.



Martin Trope, B.D.S., D.M.D.
Chapel Hill, N.C.

*Moderator: Neill H. Luebke, D.D.S., M.S.
Brookfield, Wis.*

This panel presentation will explain how to take an idea or concept and develop it to fruition. Each participant brings a different perspective and approach to the area of invention. Topics to be discussed include developing a product with the assistance of a corporation; developing a product, then having a corporation manufacture and market the product through your own corporation; develop a process that can be applied to existing technology; and a review of the basic documentation and application processes for a patent.

At the conclusion, participants should be able to:

- Describe the basic mechanisms for developing an idea that is patentable.
- Avoid pitfalls that will negate your idea from being unique.
- Apply this knowledge toward being awarded a patent.

SP-304

Room 316 C

2005 Recipients of Oral and Poster Research Presentation Awards

The following speakers will present their award-winning oral and poster research presentations from 2005:



Hong Chen, D.M.D.
Cary, N.C.

The Effect of Intracanal Anti-Inflammatory Medicaments on External Root Resorption of Replanted Dog Teeth After Extended Extraoral Dry Time (1st Place Poster)



Kenneth W. Falk, D.D.S.
Amarillo, Texas

The Influence of Preparation Size on the Mechanical Efficacy of Root Canal Irrigation In Vitro (2nd Place Poster)



Meetu R. Kohli, B.D.S., D.M.D.
Audubon, Pa.

A Retrospective Clinical Study of Incidence of Root Canal Instrument Separation in an Endodontic Graduate Program (2nd Place Oral)



John M. Williams, D.D.S.
New Bern, N.C.

Real-Time Quantitative PCR and Culture Analyses of Enterococcus Faecalis in Primary and Refractory Endodontic Infections (1st Place Oral)

*Moderator: Jerome V. Pisano, D.D.S., M.S.
Schaumburg, Ill.*

SP-305

Room 317

Resident and New Practitioner Forum: Everything You Wanted to Know About Practice Transition But Were Afraid to Ask



Randall K. Berning, J.D.
Naples, Fla.



G. Matthew Brock, D.D.S., M.S.D.
Chattanooga, Tenn.



Tanya K. Machnick, D.D.S., M.S.
Santa Cruz, Calif.



Judy D. McIntyre, D.M.D.
Chapel Hill, N.C.



Louis Z. Stromberg, D.D.S., M.S.
Santa Cruz, Calif.

Transitioning from dental school to practice is a critical step. Get the information you need to make smart decisions—join the Resident and New Practitioner Committee for a lively discussion. Panel members will describe practices that have and have not worked for them. Learn from their successes and avoid repeating their mistakes. A question/answer forum with a noted practice transition attorney will follow. For anyone exploring practice opportunities, this interactive session is a must.

At conclusion, participants should be able to:

- Describe the different methods and phases of practice transition.
- List the advantages and disadvantages of going solo vs. group practice.
- Identify resources and information to manage the practice transition process.

Additional Participants – Resident and New Practitioner Committee:

Jessica L. Barr, D.D.S.

Philip A. Jensen, D.D.S., M.S.

Jeffrey G. Minchau, D.D.S.

William K. Morgan Jr., D.D.S., M.S.

SP-306

Room 321

Hybrid Nickel-Titanium Instrumentation Techniques (10:45 – 11:30 a.m.)



Michael S. Marmo, D.M.D.
Newtown, Pa.

Moderator: James D. Johnson, D.D.S., M.S.
Seattle, Wash.

With so many brands of nickel-titanium rotary instruments available to today's endodontist, it seems logical that by combining the strengths of multiple systems, greater results can be achieved. Hybrid instrumentation refers to using instruments from different rotary systems to clean and shape the same canal. Certain anatomical and clinical situations such as apical resorption in necrotic teeth, oval-shaped canals or canal isthmuses require the combination of many types of instruments to be effectively managed. Clinical cases will be presented.

At the conclusion, participants should be able to:

- Describe the limitations of using a single type of rotary instrument system.
- Identify the strengths and weakness of available instruments in certain clinical situations.
- Select appropriate instruments from different rotary systems to effectively clean and shape a variety of clinical and anatomic circumstances.

A Novel Multi-Step Approach to NiTi Rotary Instrumentation (11:30 a.m. – 12:15 p.m.)



Gianluca Gambarini, D.D.S.
Rome, Italy

Moderator: James D. Johnson, D.D.S., M.S.
Seattle, Wash.

A new approach to NiTi canal preparation, using different types of NiTi rotary instruments according to innovative sequential steps will be presented in a step-by-step format. STEP 1: Negotiation and "glide-path" using SS hand vs. NiTi rotary instruments; STEP 2: Canal shaping using NiTi crown-down vs. step-back techniques with simplified operative sequences; and STEP 3: Enhanced cleaning and shaping objectives with ultrasounds, new NiTi rotary files, etc.

At conclusion participants should be able to:

- Describe why NiTi preparation should be divided into three steps in order to maximize safety and efficiency.
- Select operative sequences and instruments depending on anatomic complexities to be faced.
- Evaluate new file design, which can be helpful in specific steps of NiTi preparation.

Educational Sessions

10:45 a.m. – 12:15 p.m. (continued)

SP-307

Room 322

Is the Decision of the Final Preparation Size of the Physiological Foramen Evidence-Based?

(10:45 – 11:30 a.m.)



Benjamín Briseño Marroquín, D.D.S., M.S., Ph.D.
Mainz, Germany

*Moderator: Shahrokh Shabahang, D.D.S., M.S., Ph.D.
Loma Linda, Calif.*

The aim of shaping procedures during root canal treatment is to remove residual pulpal tissue and/or bacteria and to create an adequate shape for the final obturation. Usually the operator's clinical proficiency rules the procedure criteria during cleaning and shaping of the root canal. Yet, evidence-based knowledge of the morphological dimensions of the physiological foramen (apical constriction) is essential when determining the final shape and diameter size of this area.

At conclusion, participants should be able to:

- Identify the morphological limitations for an adequate final preparation size and shape of the physiological foramen.
- Identify the possible original shape and size of the physiological foramen and preparation consequences.
- Evaluate the limitations of actual instruments employed to gauge and prepare the physiological foramen.

Current Concepts on the Treatment of the Open Apex (11:30 a.m. – 12:15 p.m.)



Elisabetta Cotti, D.D.S., M.S.
Cagliari, Italy

*Moderator: Shahrokh Shabahang, D.D.S., M.S., Ph.D.
Loma Linda, Calif.*

An open apex may be a consequence of a number of factors, including: traumas that interrupt the development of immature teeth; traumas that leave the teeth in immature stage but are not discovered until the individual is an adult; long-lasting periapical pathosis that creates resorbed apices; failing surgical cases needing orthograde retreatment; and complex anatomies such as "dens in dente." Current treatment options and techniques will be discussed based on a background of clinical experience and literature.

At conclusion, participants should be able to:

- Describe why classic calcium hydroxide apexification is always a good treatment option and the best modalities on how to use it.
- Describe how an MTA pre-formed apical barrier is an alternative choice in many different situations and the best modalities on how to use it.
- Describe the importance of a good diagnosis in order to attempt revascularization in immature teeth.

1 – 2:30 p.m.

D-302

Room 319

Musculoskeletal and Cranial Nerve Examination Including Diagnostic Blocks



Jeffrey P. Okeson, D.M.D.
Lexington, Ky.

*Moderator: Donna J. Mattscheck, D.M.D.
Minneapolis, Minn.*

The endodontist must be able to successfully differentiate dental pains. Pulpal pains, however, can often present with a variety of different symptoms. In some instances the toothache is not from pulpal sources but instead referred to the tooth. This program will present examination techniques that will assist the endodontist in differentiating the true source of pain. The importance of using diagnostic anesthetic blocks will be discussed and techniques will be demonstrated using video clips.

At conclusion, participants should be able to:

- Describe basic examination procedures that will assist the clinician in establishing the proper diagnosis.
- Compare and contrast the clinical presentation of an odontogenic toothache and nonodontogenic toothache.
- Describe the rationale for using anesthetic blocks to differentially diagnosis pain sources.

NS-303

Room 316 A/B

Root Canal Obturation: State-of-the-Art and Future Trends



Gilberto J. Debelian, D.M.D., Ph.D.
Bekkestua, Norway

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Philadelphia, Pa.*

The aim of endodontic therapy is the prevention or treatment of apical periodontitis. This is achieved by thorough disinfection of the root canal space and subsequent root filling. Additionally, a proper coronal seal is required to prevent coronal re-infection. A modified resin core material has all the physical properties of gutta-percha, but in addition, is able to bond to a resin-based sealer, thus eliminating one of the most important pathways for bacterial movement in the filled canal. This system has been used for a number of years, allowing controlled prospective outcomes to be assessed at one- and two-year follow-up periods.

At conclusion, participants should be able to:

- List the major biological determinants for successful endodontic therapy.
- Discuss the functions and importance of the root canal filling.
- Describe the advantages of the use of bonding resin as the root-filling material.

PM-302

Room 316 C

The Exceptional Endodontic Practice in the 21st Century: Are You Ready?



John D. West, D.D.S., M.S.D.
Tacoma, Wash.

*Moderator: Kenneth J. Zucker, D.D.S., M.S.
St. Paul, Minn.*

In this presentation, practitioners will learn how to merge superior clinical endodontics with breakthrough practice philosophy. In addition, they will learn how to become heroes in their own office by positively influencing the treatment team, the patient, referring dentist and the technical outcome. Today's dream of a new and better way to approach your profession can become tomorrow's reality.

At conclusion, participants should be able to:

- Describe the role that technique and technology play in the exceptional endodontic practice.
- Use interdisciplinary treatment planning and by defining the four stages of endodontic life to build a reputation as a "quality" endodontist.
- Apply the eight jobs of a leader and how they influence the kind of practice you truly control.

PM-303

Room 320

Strategic Tax, Creditor and Retirement Planning



Thomas P. Olexa
Schaumburg, Ill.

*Moderator: G. Matthew Brock, D.D.S., M.S.D.
Chattanooga, Tenn.*

This cutting-edge, interactive presentation will cover state-of-the-art strategies in the tax, estate planning, creditor and retirement planning arenas. Topics to be covered include creative methods of utilizing the new tax laws to achieve accumulation objectives, the latest developments in retirement plans, as well as a commentary on the recent changes in estate tax law. The investment interest rate and climate will also be discussed in creative methods of accumulating and perpetuating wealth. Basic estate planning, creditor planning protocols and how to use both effectively will be presented, along with an overview of tax-efficient methods for systematic wealth accumulation, how to balance your investment portfolio and reduce risk.

At conclusion, participants should be able to:

- Describe the management of estate planning affairs.
- List practical ideas to improve existing estate plans.
- Describe the most tax-efficient ways of systematic wealth accumulation.



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

1 – 2:30 p.m. (continued)

SP-308

Room 314

Virtual Product Development: Endodontics in the 21st Century (1 – 1:45 p.m.)



Hamid R. Abedi, B.D.S., D.D.S., M.S.
Chino Hills, Calif.

*Moderator: Mitchell H. Davich, D.M.D.
Morristown, N.J.*

Many global manufacturing companies are utilizing Virtual Product Development to develop better products more efficiently. Virtual simulation software can be used to enhance our understanding of the important endodontic concepts of cleaning (fluid dynamics) and shaping (cutting tool dynamics). Utilizing the most sophisticated software that is used by NASA, these important areas will be studied in a virtual space to give us insight into principles that may be incorporated into our endodontic practice for optimal results.

At conclusion, participants should be able to:

- List the advantages of virtual simulation software for product development.
- Describe the most efficient way to irrigate different root canal systems.
- Describe the principles of efficient cutting design in dentin that will have the minimal chances of breakage.

Calcified Canals: An Endodontic Nightmare?

(1:45 – 2:30 p.m.)



Sasidhar Nallapati, B.D.S.
Plantation, Fla.

*Moderator: Mitchell H. Davich, D.M.D.
Morristown, N.J.*

Endodontic treatment of teeth with calcified canals is on the increase, with more and more elderly people willing to retain their natural dentition. Predictable location of these obliterated canals through calcified pulp chambers has been a challenge. The use of magnification, illumination, and dyes; better understanding of the pulpal floor anatomy with its color differences; and the use of ultrasonic instruments to trough further along the apical into the root canals safely has made this difficult task more predictable. This presentation discusses the anatomy of the calcified root canal system with the help of sections of calcified roots, SEM images, dyes and radio-opaque irrigants. Also discussed are clinical tips for the successful management of calcified teeth and clinical examples aided by digital pictures.

At conclusion, participants should be able to:

- Describe calcified root canal anatomy.
- Identify the armamentarium needed.
- Describe the latest techniques employed in the successful management of calcified canals.

SP-309

Room 317

Genesis of Curved Canal Preparation



Franklin S. Weine, D.D.S.
Olympia Fields, Ill.

*Moderator: Jerome V. Pisano, D.D.S., M.S.
Schaumburg, Ill.*

As recently as the 1960s, a low number of molar teeth and teeth with severely curved canals were treated due to the serious preparation problems that they presented. Most textbooks then available accepted that straighter and curved canals should be prepared using similar procedures. Extensive research has determined that different techniques are needed for best results. This presentation will go through the beginning studies on this subject and bring them up-to-date with present views.

At conclusion, participants should be able to:

- Describe why there must be different techniques for preparing straight and curved canals.
- Identify the basic procedures for the preparation of curved canals.
- Discuss the roles of ZIP and the ELBOW during canal preparation.

SP-310

Room 318

Educator Forum: Developing Faculty Through Communication Skills



David M. Reznik, D.D.S.
Atlanta, Ga.

*Moderator: John R. Ludington Jr., D.D.S., M.S.D.
Houston, Texas*

This discussion will assist educators in developing a format for enhancing all types of written, verbal and nonverbal communication. The formula presented will enable the attendees to enrich their communication proficiencies and outcomes with faculty, staff, students and patients.

At conclusion, participants should be able to:

- Create a specific development plan for all forms of communication that always answers the question: "What's in it for me?"
- Identify characteristics of topics that are within the "passion zone" of the speaker or author.
- Utilize all forms of communication with a clear purpose and a precise action plan.

SP-311

Room 321

Decision Making and Clinical Tips in Nonsurgical and Surgical Endodontic Retreatment (1 – 1:45 p.m.)



Mohamed I. Fayad, D.D.S., M.S., Ph.D.
Chicago, Ill.

*Moderator: Carlo Castellucci, D.M.D., M.S.
Boston, Mass.*

Endodontists often face challenges in choosing between nonsurgical and surgical retreatment. Nonsurgical retreatment is considered the most complicated aspect of root canal therapy. Although the objectives of nonsurgical retreatment are the same as the initial treatment, the reasons and the rationale are different. This presentation will review the latest research addressing the microbial and nonmicrobial etiology of post-treatment disease, along with clinical cases with extended follow-up periods.

At conclusion, participants should be able to:

- Describe the microbial and nonmicrobial etiology of post-treatment disease.
- Describe the new philosophy in surgical endodontics from anesthesia, to esthetic flap designs, to suturing.
- Establish the correct strategy to achieve a good prognosis well before beginning endodontic retreatment.

Endodontic Retreatment—Learn When to Count on Them and When to Walk Away



(1:45 – 2:30 p.m.)



Hesham Tagouri, D.M.D., M.D.S.
Williamsville, N.Y.

*Moderator: Carlo Castellucci, D.M.D., M.S.
Boston, Mass.*

Endodontic retreatment constitutes a major sector of everyday endodontic practice. Turning these cases down will affect the relationship with the referring dentist and the productivity of the practice. This presentation will cover current trends and concepts in endodontic retreatment. Emphasis will be placed on diagnosing endodontic failure, and materials and technical procedures used to improve prognosis. Multiple representative clinical cases with different techniques will be reviewed for discussion.

At conclusion, participants should be able to:

- Identify and diagnose endodontic failure, and choose the appropriate treatment plan.
- Describe the materials and techniques used in endodontic retreatment.
- Predict the prognosis and present the outcome to the patient and to the referring dentist.



Designed for the Endodontist and Staff



Simultaneous Interpretation



Session will not be recorded



Workshop

Educational Sessions

1 – 2:30 p.m. (continued)

SP-312

Room 322

Immunobiology of Apical Periodontitis: Current Knowledge and a Futuristic View (1 – 1:45 p.m.)



Zvi Metzger, D.M.D.
Ramat Aviv, Israel

*Moderator: Thomas M. Buttke, D.D.S., Ph.D.
Nags Head, N.C.*

Apical periodontitis is a clinical expression of the balance between the host response and bacteria. Protective immune mechanisms prevent bacteria from spreading to the surrounding bone, while causing side effects that damage the periapical tissues. Both aspects of immunobiology will be discussed, with an emphasis on the role of macrophages in these lesions. The current understanding of the biological processes leading to bone resorption will be presented and discussed, as a basis for a futuristic view of their potential application in clinical endodontics.

At conclusion, participants should be able to:

- Describe the protective immune mechanisms that prevent bacterial invasion into surrounding tissues.
- Describe current concepts of the bone resorbing processes that take place in apical periodontitis.
- Describe potential futuristic approaches to pharmacological modulation of healing of apical periodontitis.

Radiographic and Histological Observations of Endodontically Treated Teeth (1:45 – 2:30 p.m.)



Akbar Khayat, D.M.D., M.S.
Shiraz, Iran

*Moderator: Thomas M. Buttke, D.D.S., Ph.D.
Nags Head, N.C.*

There is considerable agreement concerning the healing of periapical lesions of endodontic origin following root canal treatment, but almost all criteria are based on clinical observations and radiographic demonstration. This lecture will discuss the biological aspects of periradicular lesions, demonstrate the sequence of events that take place in the lesion over a time span and review the findings of studies performed on human and animal subjects.

At conclusion, participants should be able to:

- Describe the forming and the resolution of periradicular lesions.
- Describe the sequence of reactions in the periradicular lesions following endodontic treatment.
- Discuss the periapical reaction to overfilled material.

Oasis
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To Come

Exhibit Hall Schedule

Thursday, March 30	9 a.m. – 2 p.m.
Friday, March 31	8 a.m. – 2 p.m.
Saturday, April 1	8 a.m. – 2 p.m.

The AAE exhibit hall offers a plethora of options for your clinical and business needs. The balanced combination of exhibits allows you to peruse the latest in surgical products and procedures, and presents numerous services and technologies that will help you gain a competitive edge. Talk to representatives from major dental and medical suppliers, and take advantage of the many product discounts and special offers that are only available at the 2006 Annual Session!

Current exhibitors as of press time are listed below. Visit the AAE Web site at www.aae.org for the most up-to-date listing.



Acteon North America (Satelec)
856/222-9988
www.acteongroup.com

Advanced Endodontics
805/964-8838
www.endoruddle.com

Aseptico, Inc.
425/487-3157
www.aseptico.com

ASI Medical, Inc.
303/766-3646
www.asimedical.net

Axis Dental (Soft-Core Endodontics)
800/355-5063
www.axisdental.com

Biolase Technology, Inc.
949/226-8124
www.biolase.com

BioLok International, Inc.
954-698-9998
www.biolok.com

Blackwell Munksgaard
515/292-0140
www.dentistry.blackwellmunksgaard.com

Brasseler USA
912/925-8525
www.brasselerusa.com

Brown & Herbranson Imaging
650/233-0200
www.toothatlas.com

CamSight Co., Inc.
323/259-1900
www.camsight.com

CK Dental Specialties, Inc.
800/675-2537
www.ckdental.net

Dentrix
801/763-9300
www.dentrix.com

Dentsply International
800/877-0200
www.dentsply.com

Dentsply Maillefer
800/662-1202
www.maillefer.com

Dentsply Rinn
800/323-0970
www.rinncorp.com

Dentsply Tulsa Dental
800/662-1202
www.tulsadental.dentsply.com

Designs for Vision, Inc.
800/345-4009
www.designsforvision.com

Dexis Digital X-ray
888/883-3947
www.dexray.com

Elsevier, Inc.
215/239-3491
www.elsevierhealth.com

**Endo Shopper, Division of
Becker-Parkin**
800/613-7707
www.beckerparkin.com

Endoco, Inc.
901/683-6677
www.endoco.com

Franklin Dental Supply, Inc.
800/972-7917
www.franklinsupply.com

Global Surgical Corp.
800/767-8726
www.globalsurgical.com

Great Lakes Lighting I
989/686-8885

Guidance Endodontics
505/872-1115
www.guidanceendo.com

Hartzell & Son, G.
925/798-2206
www.ghartzellandson.com

HealthFirst Corporation
425/771-5733
www.healthfirst.com

Heraeus Kulzer, Inc.
800/431-1785
www.heraeus-kulzer-us.com

Hu-Friedy Mfg. Co., Inc.
773/975-6100
www.hu-friedy.com

Instrumentarium Dental
(GE Healthcare)
800/558-6120

J. Morita USA, Inc.
949/465-1012
www.jmoritausa.com

JedMed Instrument Company
314/845-3770
www.jedmed.com

Jordco, Inc.
800/752-2812
www.jordco.com

KaVo Dental
800/323-8029
www.kavo.com

Kilgore International, Inc.
517/279-9000
www.kilgoreinternational.com

Kodak Dental Systems
678/589-8757
www.kodak.com/dental

Lexi-Comp Publishing
330-650-6506
www.lexi.com

Logan Dental (EndoHandle)
435/752-0519
www.logandental.com

Mani, Inc.
81/286-75-3311
www.mani.co.jp

Medidenta Int'l
718/672-4670
www.medidenta.com

Meta Dental Corp.
718/639-7460
www.metadentalco.com

Metalift Crown & Bridge Removal
800/928-9289
www.metalift.com

Microsurgery Instruments, Inc.
713/664-4707
www.microsurgeryusa.com

Milestone Scientific
800/862-1125
www.milestonescientific.com

Miltex, Inc.
866/854-8300
www.miltex.com

Neo Dental International
253/946-0814
www.neodental-intl.com

Nobel Biocare
800/993-8100
www.nobelbiocare.com

Obtura/Spartan
636/343-8300
www.obtura.com

Orasoptic
800/369-3698
www.orasoptic.com

Osada, Inc.
323/651-0711
www.osadausa.com

Palisades Dental
201/569-0050
www.palisadesdental-llc.com

PBHS Web Site Design
707/566-6901
www.pbhs.com

PBS Endo
800/535-0198
www.pbsendo.com

Pentron Clinical Technologies
203/265-7397
www.pentron.com

Praticon, Inc.
800/959-9505
www.praticon.com

Pro-Dex, Micro Motors
718/708-5221
www.pro-dex.com

Quality Aspirators/Qoptics
972/298-2669
www.qualityaspirators.com

Quintessence Publishing Co.
630/736-3600
www.quintpub.com

RGP Dental
401/254-9695
www.rgpergo.com

Roydent Dental Products
800/992-7767
www.roydent.com

Schick Technologies
718/937-5765
www.schicktech.com

Schick Technologies (Stevenson Group)
410/636-8801
www.schicktech.com

Schwed Co., Inc.
718/441-0526
www.schwed.com

Septodont, Inc.
800/872-8305
www.septodontusa.com

Seiler Precision Microscopes
800/489-2282
www.seilerinst.com

Sheervision, Inc.
310/265-8918
www.sheervision.com

Sullivan-Schein Dental
800/372-4346
www.sullivanschein.com

Suni Medical Imaging
408/227-6698
www.suni.com

Surgitel/General Scientific Corp
734/996-9200
www.surgitel.com

SybronEndo
800/346-3636
www.sybronendo.com

Tel-A-Patient, Inc.
714/428-0680
www.telapatient.com

Treloar & Heisel, Inc.
800/345-6040
www.th-online.net

Ultradent Products, Inc.
800/552-5512
www.ultradent.com

Vista Dental Products
877/418-4782
www.vista-dental.com

**Xelan, The Economic Association
of Health Professionals**
800/533-3705
www.xelanassociation.com

Carl Zeiss Surgical
914/681-7771
www.zeiss.com

Special Events

Location Key: HHV= Hilton Hawaiian Village, HCC= Hawaii Convention Center

Wednesday

Golf Outing

7 a.m. - Departure Tapa Tower Bus Depot

8 a.m. - Start Honolulu Country Club

Join your colleagues for a round of golf in paradise! This special outing will take place at the Honolulu Country Club with winners recognized at the golfer's luncheon immediately following play.

Cost: \$185 early/\$195 standard, inclusive of green fees and cart, transportation, tournament coordination, continental breakfast and a post-play luncheon.

Welcome to Honolulu

7 p.m. - midnight Ilima Lawn (adjacent to the Hilton):
7 - 9:30 p.m.

Tapa Ballroom/HHV:
10 p.m. - midnight

Come experience the true spirit of Aloha during this welcoming event for the entire AAE ohana (family). The evening will begin outdoors along Waikiki Beach, where attendees will enjoy an abundance of local cuisine and entertainment. For those wishing to extend the evening, the party continues indoors with libations and dancing. Attendees whose arrival time does not permit them to pick up their badge prior to this function will be allowed to participate.

Sponsored by Dentsply Tulsa Dental

Thursday

Opening Session Breakfast

7 - 9 a.m. Kalakaua Ballroom/HCC



Join your fellow endodontists at the breakfast table to launch the 2006 Annual Session! Dr. Marc Balson, AAE president, will present the keynote address. Enjoy an authentic Hawaiian welcome performed by local talent.

In addition, breakfast attendees will receive an overview of the many different activities planned for the days ahead.

Louis I. Grossman Memorial Luncheon

Noon - 1:30 p.m. Room 311/HCC

Sponsored by the College of Diplomates, this year's luncheon program will acknowledge endodontists who achieved Board certification during 2005. Family members, ABE Directors, the AAE Executive Committee and other Diplomates will gather to share this moment of recognition.

2005-2006 College of Diplomates Leadership

Fredric Goodman, D.D.S., President
George T. Goodis, D.D.S., Vice President
Charles J. Cunningham, D.D.S., Secretary
Joseph S. Dovgan, D.D.S., M.S., Treasurer
A. Eddy Skidmore, D.D.S., M.S., Past President
Stephen J. Clark, D.M.D., Director
Harold E. Goodis, D.D.S., Director
André K. Mickel, D.D.S., M.S.D., Director
Debra A. Meadows, D.D.S., Director
Susan Hawkinson, Administrative Secretary

Why Our Ethics Curricula Don't Work: A Wink vs. a Blink

Charles Betolami, D.D.S.



The keynote address will examine the shortcomings of existing ethics curricula. A typical dental ethics curriculum deals with the subject matter as an abstraction, and therefore does not go far enough into real world life and behavior or students to make a meaningful difference. Despite innovative teaching technologies, students consider the subject matter boring and are only marginally engaged. Dental school is a sufficiently intensive experience that the chance to influence students positively in their ethical formation at a deep personal level is an unparalleled opportunity that should not be lost.

Friday

Fun Run

6 a.m. Departs from the Kalia Tower/HHV

Bring your running gear and join fellow AAE members, family and friends for a refreshing and scenic morning run. Traverse a course suitable for runners of all levels. Route maps will be available on the AAE Web site, www.aae.org, approximately two weeks prior to the meeting and will also be available the morning of the race.

Edgar D. Coolidge Breakfast

7 – 8:30 a.m. Kalakaua Ballroom/HCC

Plan now to be a part of the ceremonies to acknowledge the recipients of AAE's highest honors:

Edgar D. Coolidge Award



Harmon R. Katz, D.D.S.

The Edgar D. Coolidge Award, the AAE's highest honor, is presented to an individual who has displayed leadership and exemplary dedication to dentistry and endodontics.

Louis I. Grossman Award



Leif Tronstad, D.M.D., Ph.D.

Recognizes an author for cumulative publication of significant research studies that have made an extraordinary contribution to endodontics.

Edward M. Osetek Educator Award



Andris Jaunberzins, D.D.S., M.S.



John M. Nusstein, D.D.S., M.S.

Presented to a full-time educator with less than six years teaching experience, who has earned the esteem and respect of students and faculty associates.

I.B. Bender Lifetime Educator Award



Thomas P. Mullaney, D.D.S.

Presented to an individual who has been a full-time educator for at least 15 years, whose contributions to endodontics have demonstrated excellence through selfless commitment to full-time educational pursuits, and whose valuable contributions have instilled in his/her students the desire to pursue excellence in their careers.

Ralph F. Sommer Award



Syngcuk Kim, D.D.S., Ph.D.

This award recognizes the principal author of a publication of specific significance to the art and science of endodontology or for an article describing developments or advances in methodology and/or materials and devices for constructive influence on clinical practice.

Honorary Membership



Rafael Miñana, D.D.S., M.D.

This award recognizes individuals who do not meet the requirements for Active membership in the AAE but have significantly contributed to the advancement of endodontics.

President's Dinner Dance

7 p.m. – Reception Coral Lounge/HHV

8 p.m. – Dinner Coral Ballroom/HHV

Hosted by AAE President Marc Balson, this highly anticipated event will tantalize your senses with savory Cantonese and Szechwan cuisine prepared by the Hilton's Golden Dragon restaurant. Dancing will follow this family-style dinner for an evening to remember. "Dress Aloha wear" is the suggested attire for this event.

If you are planning to attend, you must obtain a table assignment no later than 2:30 p.m. on Friday, March 31. If you wish to have group seating, a ticket must be presented at the same time for each person in your group. Tables are reserved on a first-come, first-served basis. The President's Dinner Dance desk will be located in the AAE Registration and Information area.

Saturday

General Assembly Breakfast

7 – 8:30 a.m. Kalakaua Ballroom/HCC

The General Assembly is the AAE's business meeting for members. The AAE officers, AAE Foundation president, ABE president and *JOE* editor will present brief reports. Members will approve revisions to the Association's Constitution and Bylaws. Your colleagues will be installed as officers and directors of the AAE, AAE Foundation and the American Board of Endodontics. In addition, the AAE/Dentsply Resident Awards, which recognize the top 10 presenters for oral and poster research presentations and table clinics, will be presented.

Sponsored in part by Dentsply International

Alumni and Affiliate Functions

The events are listed as of press time. All functions will take place at the Hilton Hawaiian Village unless otherwise noted.

Wednesday

Baylor College of Dentistry	Reception: 9:30 p.m. – midnight Rainbow Suite
Northwestern University	Reception: 4 – 6 p.m. Sea Pearl 3
Pennsylvania Association of Endodontists	Reception: 4 – 6 p.m. Sea Pearl 4
U.S. Air Force Association of Endodontists	Meeting: 4 – 6 pm Off-site
University of Minnesota	Reception: 4 – 6 p.m. Nautilus 1

Thursday

Albert Einstein Endodontic Alumni Society	Reception: 6 – 7:30 p.m. Sea Pearl 1
Boston University	Reception/Dinner: 6 – 9 p.m. Village Green
Case Western Reserve University	Reception: 5 – 7 p.m. Rainbow 3
Marquette University	Reception: 6 – 7 p.m. 'Iolani 5
Michigan Association of Endodontists	Dinner: 6:30 – 8:30 p.m. Coral 2
New York University	Reception: 6 – 8 p.m. 'Iolani 1 – 3
Nova Southeastern University	Reception: 8 – 10 p.m. South Pacific 3
Ohio State University	Dinner: 7 p.m. Off-site
Oregon Health & Science University	Reception: 6:30 – 8 p.m. Nautilus 1
St. Louis University	Reception: 6 – 8 p.m. Off-site
Tar Heel Endodontic Association	Reception: 5 – 7 p.m. Rainbow 2
Temple University	Reception: 6 – 8 p.m. 'Iolani 4
Tufts University	Reception: 6 – 7:30 p.m. Nautilus 2
University of California at Los Angeles	Reception: 6 – 8 p.m. Sea Pearl 4

Thursday (continued)

University of California at San Francisco	Reception: 6:30 – 8 p.m. South Pacific 4
University of Florida	Reception: 6 – 8 p.m. Sea Pearl 2
University of Illinois	Dinner: 6 – 9 p.m. Lehua
University of Iowa	Reception: 6 – 8 p.m. Hibiscus 1
University of Louisville	Reception: 6 – 8 p.m. Coral 1
University of Maryland	Reception: 6:30 – 8 p.m. 'Iolani 6 – 7
University of Missouri-Kansas City	Reception: 3 – 4:30 p.m. Sea Pearl 1
University of North Carolina/Tarheel Endodontic Association	Meeting: 5 – 6 p.m. Reception: 6 – 7:30 p.m. Kahili
University of Pittsburgh	Reception: 6 – 8 p.m. Hibiscus 2
University of Southern California	Reception: 7 – 9 p.m. South Pacific 1
University of Texas at San Antonio	Reception: 6 – 8 p.m. South Pacific 2
University of Washington	Reception: 5 – 8 p.m. Sea Pearl 5
U.S. Navy Association of Endodontists	Reception: 5:30 – 8 p.m. Off-site
West Virginia University	Reception: 6 – 8 p.m. Sea Pearl 3

Friday

U.S. Navy Association of Endodontists	Business Meeting: 2:30 – 4 p.m. Room 319/HCC
Virginia Commonwealth University/Medical College of Virginia	Reception: 4 – 6 p.m. Sea Pearl 1 and 2

Alumni and Affiliate Functions

Other Functions

Wednesday

College of Diplomates	Board of Directors Meeting: 4 – 6 p.m. South Pacific Boardroom
International Federation of Endodontic Associations	Board of Directors Meeting: 2 – 4 p.m. Nautilus 1

Thursday

African-American Endodontic Group	Reception: 9 – 10:30 p.m. Nautilus 2
Endo Standards Group	Meeting: 3 – 5 p.m. Ilima Boardroom
French Society of Endodontists	Reception: 7:30 – 9 p.m. Tapa 1
Harry J. Healey Endodontic Study Club	Reception: 6:30 – 9 p.m. Sea Pearl 6
International Federation of Endodontic Associations	General Assembly: 9 – 10:30 a.m. Nautilus 1 Reception: 4 – 6 p.m. Shell Lounge

Saturday

Endodontic Section of ADEA	Business Meeting: 1 p.m. Room 318/HCC
Endodontic Section of Triple O Editorial Board	Breakfast: 7 – 8:30 a.m. South Pacific Boardroom

AAE Alliance Activities

Wednesday

1 – 3 p.m.

Tapa Tower Suite*

Hospitality Suite and Haku Lei Making

Join fellow Alliance members for a haku lei-making class. This distinctive Polynesian lei-like adornment will be a permanent article of apparel, during and following your visit to the islands. To reserve space in the class, please contact Jocelyn Lance, AAAE president, before March 15, 2006, at 804/364-1719 or via e-mail at joceaada@comcast.net. A \$20 fee is applicable to cover the cost of materials.

Thursday

7 – 9 a.m.

Tapa Tower Suite

Board of Directors Meeting

10 a.m. – noon

Tapa Tower Suite

Hospitality Suite and Haku Lei Making

See description under Wednesday for registration information.

Friday

10 a.m. – noon

South Pacific Ballroom 3

General Membership Meeting and Brunch

Open to all registered Alliance members, this program will feature a local media personality who will tantalize and charm the group with tales of the Islands. In addition, traditional Hawaiian dances will be taught to those wanting and willing to learn.

For additional information about Alliance activities and/or membership, please contact Jocelyn Lance, AAAE president, at 804/364-1719 or joceaada@comcast.net.

*The suite number will be posted at the Tapa Tower elevator.

AAE Alliance Officers

President

Jocelyn Lance (James)

President-Elect

Janette Sonnenberg (Brent)

Secretary

Karen Byron (Mark)

Treasurer

Robin Mann (Sheldon)

Member-at-Large

Phyllis Baur (Jack)

Immediate Past President

Rebecca Funderburk (David)

General Information

AAE Oasis

The AAE Oasis will be centrally located in the exhibit hall, and will feature a new collection of logo apparel and gift items, practice management publications and clinical resources for purchase on site. A new information area devoted to the AAE's public awareness campaign *Endodontists: the root canal specialists*, will highlight the year's media outreach activities, with staff available to provide guidance in using the new *Community Outreach Tool Kit* and other campaign materials. The Oasis is also the perfect place to find out about the AAE's volunteer programs, pledge your support to the Foundation, learn how to become a Diplomat from the American Board of Endodontics, and get an early look at the 2007 Annual Session in Philadelphia.

Annual Session Shirts

Purchase your Annual Session commemorative shirt by checking the appropriate box on the *Registration Form*. This tastefully designed Hawaiian-style camp shirt is a must for this year's meeting. Don't hesitate! Reserve your shirt today! It will be mailed to you prior to the Annual Session. All quantities are limited and sales are final.

Badges

Your name badge will be included in your on-site registration materials. This badge will admit you to all events included in your registration package (see page 66); therefore, please wear your name badge to all functions. Tickets are only required for events not included in your package.

Career Opportunities Exchange

Find the very latest job prospects or post an opening on the Career Opportunities Exchange Board. Hosted and monitored by the Membership Services Committee, the job board will be located in the AAE Oasis in the exhibit hall.

Childcare

While the AAE does not provide organized childcare during the Annual Session, the Hilton Hawaiian Village Rainbow Express Keiki Club provides various daily activities for hotel guests from 5 – 12 years of age.

Please refer to www.hiltonhawaiianvillage.com/activities/children-programs.asp for a daily schedule of events and the fees associated with each program. Advance reservations are required. Full- and half-day programs are available.

Continuing Education Credits/Units

More than 125 continuing education credits/units are offered at the 2006 Annual Session.

An attendance verification number will be announced at the end of each session. In order to receive CE credit, the number should be recorded on the session evaluation form. A CE Verification Letter will be provided to attendees after the meeting. Attendees should claim only those hours of credit that they actually spent in the educational activity. CE credits/units issued for participants may not be applicable for license renewal in all states. Since continuing education requirements and acceptance of credits/units offered vary among state boards of dentistry, each participant must verify the requirements of his/her state licensing board and whether the CE Verification Letter should be retained by the participant or sent to the state board. The AAE is an ADA CERP-recognized provider.



Honolulu Information

For more information on Honolulu, the Island of Oahu and the State of Hawaii's six other islands, log on to www.gohawaii.com.

Lost and Found

Hilton Hawaiian Village:

Call ext. 45 from any house phone.

Hawaii Convention Center:

Call ext. 3000 from any house phone.

Mandara Spa Discount

The Mandara Spa, located at the Hilton Hawaiian Village, is one of Hawaii's most beautiful and complete spas offering a host of spa treatments that incorporate Hawaiian, Asian, Western, European and Polynesian beauty and relaxation concepts.

AAE attendees who are guests at the Hilton Hawaiian Village are entitled to a 15 percent discount off any à la carte spa treatments from March 25 through April 2. Advance reservations are required by calling the spa directly at 808/945-7721. To obtain your discount, please identify yourself as an AAE Annual Session attendee. For additional information, please visit the spa's Web site at www.mandaraspas.com.

Medical Assistance

Hawaii Convention Center: An emergency medical technician will be stationed during published meeting hours. The first aid room is located on the 3rd level between Rooms 318 and 319.

Hilton Hawaiian Village: The Queen's Health Care Center is located on the 2nd floor of the Rainbow Bazaar. Call 808/942-9111 or ext. 74057 from any house phone. An emergency medical technician will be stationed at the Welcome to Honolulu and President's Dinner Dance events.

No Smoking Policy

For the comfort of all attendees, smoking is not permitted at any AAE function.

Restaurant Suggestions

The Hawaii Visitors and Convention Bureau will staff a concierge desk at the Hawaii Convention Center to assist you with your dining needs. In addition, the Hilton Hawaiian Village concierge can assist you with restaurant recommendations and reservations prior to and during the meeting, or please refer to <http://the.honoluluadvertiser.com/specials/bestrestaurants04/> for recommendations.

Session Handouts

Speakers are strongly encouraged to provide handouts for their session. Handouts received in advance by the AAE will be distributed at the corresponding session. Remaining copies of handouts will be available in Room 326A at the Hawaii Convention Center.

Session Recordings

The majority of sessions presented will be recorded and available for purchase on CD-ROM (MP3 format). An order form will be included in your on-site registration materials, or visit the Session Recordings desk in the AAE Registration and Information area. Participants may not audio- or videotape presentations on their own.



Simultaneous Interpretation

Translation from English to Japanese, Korean and Portuguese will be offered during the Pre-Session Symposium and for denoted sessions within the Nonsurgical Track. This complimentary service will be offered to interested individuals on a first-come, first-served basis. To obtain a headset, please stop by the Simultaneous Interpretation desk located at the AAE Registration and Information area during registration hours.

Sponsored by Dentsply Maillefer

Speaker-Ready Room

Presenters may preview their presentations or obtain assistance in Room 326A at the Hawaii Convention Center.

Special Assistance

If you have a physical, communication or dietary restriction that may affect your participation in Annual Session activities, contact Eva Wilczek at 800/872-3636 (North America) or 312/266-7255 (International), ext. 3006, or e-mail ewilczek@aae.org, at least 30 days prior to your arrival. We can only ensure the availability of appropriate accommodations with prior notification of need.

Ticket Sales

On-site ticket sales are final and must be purchased at least 24 hours prior to the event on a first-come, first-served basis. If you are uncertain whether an event is included in your registration fee, please see the Registration Categories explanation on page 66.

Transportation

Shuttle service between the Hilton Hawaiian Village and the Hawaii Convention Center will be provided during published AAE Registration and Information hours. Buses will depart from the Hilton's Tapa Tower bus depot. A walking map between the two facilities will be provided in your registration packet for those who want to enjoy the warm Hawaii weather.

Weather/What to Wear

The average daytime temperature in March/April is 78° F (25.6° C). Temperatures at night are approximately 10 degrees lower.

Resort apparel or "Aloha wear" is encouraged for all educational sessions and social activities. Aloha wear is comfortable, colorful Hawaiian clothing that represents the natural beauty and lifestyle of the island's warm ocean waters, sandy beaches, lush vegetation and warm, friendly people.

Housing and Transportation

Housing

The AAE has reserved a block of guestrooms at the Hilton Hawaiian Village Beach Resort and Spa.

Hilton Hawaiian Village
2005 Kalia Rd.
Honolulu, HI 96815-1999
Main Phone: 808/949-4321
Guest Fax: 808/947-7898

Rates

The following group rates will be offered to Annual Session attendees until February 28, 2006, or until the room block is filled. After this time, rates and reservations will be subject to availability. Rates are quoted per room, per night, and are subject to 11.41 percent tax per night.

Garden View:	\$215
Partial Ocean View:	\$244
Ocean View:	\$285
Deluxe Ocean View:	\$320*
Alii Tower:	\$340 run-of-ocean**

**All rooms are in the Rainbow Tower located on the beachfront.*

***Beachfront location offering exclusive services and enhanced amenities. Run-of-ocean denotes a mixture of partial and ocean view rooms.*

The above rates are for single or double occupancy. An additional \$45 per person will be added to rates for triple or quad occupancy. The Hilton family plan will be in effect whereby children under the age of 18, traveling with their parents and staying in the same room, will not be charged extra.

Suites

A variety of suites are available to AAE attendees at a discounted rate. To inquire about the various options, please call the hotel directly at 808/949-4321.

Reservation Procedure

Online: Go to the AAE Web site, www.aae.org, and click on the Annual Session icon found on the home page. A link to hotel reservations is available on the 2006 Annual Session Web pages.

By Phone (ask for the AAE group rate):

Toll Free: 800/Hiltons (445-8667)

Hotel Direct: 808/949-4321

Deposit/Cancellation Policy

A deposit (equal to room and tax for two nights) will be applicable at the time of reservation. This deposit will be fully refunded for cancellations received up to 11 days prior to the arrival date. This deposit is forfeited in its entirety for cancellations received within 10 days prior to arrival and for all no-shows.

Check-In Options

The Hilton Hawaiian Village offers self-service check-in at the Honolulu International Airport (baggage claim G and H) seven days a week from 11 a.m. – 7 p.m. Hilton staff will be on site to offer assistance. Self-service check-in is also available upon arrival at the hotel. Or, you may check-in at the registration desk located in the main lobby.

SPECIAL OFFER!

Pre-/Post-Hotel Discount

The Hilton Waikoloa Village, located on the “Big Island” of Hawaii is offering pre- and post-meeting discounts to AAE attendees. This world-class resort, presiding majestically over 62 spectacular oceanfront acres along the sunny Kohala Coast, offers activities for all ages. For a full resort description, visit www.hiltonwaikoloa.com. The AAE discounted rate is applicable March 24 – March 29 and/or April 1 – 8.

Rates

Golf/Garden/Mountain View:	\$189
Partial Ocean View:	\$220
Deluxe Ocean View:	\$245
Tower Floor:	\$275

Rates are per night and subject to appropriate taxes, currently 11.41 percent.

Reservations can be made by calling the resort directly at 808/886-1234 (ask for the AAE group rate.) A deposit is required, and a one-night penalty will apply should reservations be canceled less than 72 hours prior to arrival.

*Don't miss out on the opportunity to visit this fabulous resort.
Book your stay today!*



Travel and Transportation

Air Travel

United Airlines is the preferred airline of the AAE, offering special meeting fares to attendees who use the meeting identification number to book their reservations. Book early and take advantage of the promotional fares that give you the greatest savings.

Simply call (or have your travel agent call) United's Meeting Desk at 800/521-4041 and refer to **Meeting ID# 560FQ**.

Airport Transportation

Standard taxi fare between the airport and the Hilton is approximately \$35. Charley's Taxi and Limousine provides pre-arranged and upon-arrival service from the Honolulu International Airport to the Hilton Hawaiian Village. For complete details and reservations visit www.charleystaxi.com or call 808/531-2333.

In addition, the Waikiki Express and Roberts Hawaii Airport/Hotel Shuttle maintain routes that include stops at several hotels, including the Hilton Hawaiian Village. Both shuttles are located outside the baggage claim area. One-way fares are approximately \$10 per person.

Car Rental

Hertz is the preferred car rental company of the AAE and conveniently located at the Hilton Hawaiian Village. In addition to the standard AAE member discount, you will save \$5 a day (up to \$25) when you rent a car in conjunction with this meeting. Call now for the special rates that are valid one week before through one week after the official meeting dates. You must present your AAE membership card or Hertz member discount card at time of rental. To reserve a car, contact Hertz online or by phone, and refer to the CDP and PC numbers below.

Online at www.hertz.com

United States: 800/654-2200

Canada: 800/263-0600

CDP#: 48141

PC#: 957644

Parking

Parking is available at the Hilton Hawaiian Village. Rates are exclusive of tax and are subject to change.

Self-Park: \$15

Valet: \$19

Hotel group rates help defray costs to the Association and, in turn, keep Annual Session registration fees as low as possible. By not identifying yourself as an AAE Annual Session attendee (or by staying at a nondesignated AAE hotel), the AAE potentially incurs charges that must eventually be passed on to you and others in the form of higher fees. Please be sure to reserve a room from the AAE block when making your reservation.



Registration Information

Methods of Registration

Please choose one of the following methods to register for the 2006 Annual Session. Registrations will not be accepted prior to 9 a.m., CST on November 28, 2005. Registrations received prior to this time will not be processed.



Via the Internet: The Fastest, Most Efficient Way to Register!

Members are encouraged to register using the AAE's online registration system. This secure site not only saves you time, but also provides instant confirmation. To register, go to the AAE Web site at www.aae.org, and click on the Annual Session icon. Visa, MasterCard, American Express and Discover cards accepted.



By Fax

Complete the enclosed Registration Form, include your Visa, MasterCard, American Express or Discover information and fax it, toll-free to 866/451-9020 (North America), or 312/266-9867 (International).



By Mail

Send your completed Registration Form with payment to:

AMERICAN ASSOCIATION OF ENDODONTISTS
Attn: Annual Session Registration
211 E. Chicago Ave., Suite 1100
Chicago, IL 60611-2691

Payment

Full payment must be received with your registration. Charge your registration to a Visa, MasterCard, American Express or Discover card, or make checks payable to the AAE. Registrations without complete payment will not be processed.

Early Registration Discount

The early registration fee will be granted for registrations received by February 20, 2006. After this date, the standard registration fee will apply. Registrations submitted online or via fax must be date/time stamped by 11:59 p.m., CST on February 20, 2006. Registration forms submitted via mail must be postmarked on or before February 20, 2006.

Registration Deadlines

Registrations received via fax or postmarked after 11:59 p.m., CST on February 20, 2006, will not be processed. However, you may register online until 11:59 p.m., CST on March 17, 2006. After this date, you must register on site at the AAE Registration and Information desk at the Hawaii Convention Center during the following days/times:

Tuesday, March 28	4 – 8 p.m.
Wednesday, March 29	6 a.m. – 3 p.m.
Thursday, March 30	6 a.m. – 2 p.m.
Friday, March 31	6:30 a.m. – 2:30 p.m.
Saturday, April 1	6:30 a.m. – 2:30 p.m.

Confirmation

If you have an e-mail address on file you will receive an electronic confirmation. If not, a written confirmation will be mailed upon complete processing of your registration. If you have not received a confirmation within three weeks of submitting your registration, please call the AAE Headquarters at 800/872-3636 (North America) or 312/266-7255 (International), or send an e-mail to ewilczek@aae.org. Badges and registration materials will be held for you at the on-site registration desk.

New Member Applications

To be eligible for a Professional, Student or Auxiliary member package, applications for membership must be received prior to March 17, 2006.

Cancellation Policy

Registrations will be refunded in full if the AAE receives written notification of cancellation by March 24, 2006. The Executive Director will review refund requests made in writing after this date as a result of emergencies or other serious events. Refunds for hands-on workshops will not be granted, regardless of the circumstance, after March 24, 2006. Fax cancellations to the AAE Headquarters at 866/451-9020 (North America) or 312/266-9867 (International), or send an e-mail to ewilczek@aae.org.

Registration Packages and Fees

To participate in any AAE Annual Session activity, you must register for one of the following packages. Registration fees are for the full conference. One-day and exhibit-hall-only registrations are not available.

Packages and Fees	Early (By 2/20/06)	Standard
AAE Professional Member	\$520	\$620
AAE Student Member	\$100	\$200
AAE Auxiliary Member	\$160	\$260
AAE Alliance Member	\$125	\$175
(Spouse/Companion)		
Professional Guest (U.S.)	\$1,125	\$1,225
Professional Guest (Intl.)	\$625	\$725
Student Guest	\$625	\$725
Auxiliary Guest	\$625	\$725
Family/Guest	\$75	\$125

Registration packages include the following:

Professional/Student/Auxiliary Member and Professional Guest

Packages: Sessions and Exhibits, Welcome to Honolulu and the Opening Session, General Assembly and Coolidge Breakfasts. In addition, the Professional and Student Member packages will include one ticket to the President's Dinner Dance. (*Note: The Auxiliary package is only for dental assistants or office administrators who have joined the AAE. An endodontist's AAE membership does not include membership for his/her staff.*)

Alliance Member Package: Alliance membership dues and program activities, Welcome to Honolulu.

Family/Guest Package: Welcome to Honolulu.

Tickets for the Louis I. Grossman Memorial Luncheon are not included as part of any registration package. Attendees must purchase tickets separately.

Optional Tours and Events

The following optional tours and events are being managed by Weil & Associates, Inc. If you have any questions regarding these activities, please contact the tour registrar via fax at 808/955-0505 or by e-mail at aae@weildmc.com.

Wednesday, March 29

Arizona and Battleship Missouri Memorials	7 a.m. – 3 p.m.
Sailing and Snorkeling	8 a.m. – 1:30 p.m.
Honolulu Highlights	12:30 – 3:30 p.m.

Thursday, March 30

Circle Island Tour	7:30 a.m. – 4 p.m.
ʻIolani Palace Grand Tour	10:30 a.m. – 2:30 p.m.
Homes and Gardens Tour	9 a.m. – noon
Sunset Dinner Cruise	4:30 – 8 p.m.

Friday, March 31

Arizona and Battleship Missouri Memorials	7 a.m. – 3 p.m.
Circle Island Tour	7:30 a.m. – 4 p.m.
Hawaiian Waterfall Hike	8 a.m. – noon
Homes and Gardens Tour	9 a.m. – noon

Saturday, April 1

Diamond Head Crater Climb	6 – 8:30 a.m.
One-Day Volcano Tour	7 a.m. – 7 p.m.
The Hole-In-The-Wall Eating Tour	10 a.m. – 2 p.m.
Whale Watch Lunch Cruise	11:15 a.m. – 3 p.m.

Arizona and Battleship Missouri Memorials

Wednesday, March 29 and Friday, March 31
7 a.m. – 3 p.m.*



Visit Pearl Harbor and board the Navy launch for a trip into history at the Arizona Memorial.

Then see one of the most incredible battleships of the U.S. Navy. The USS

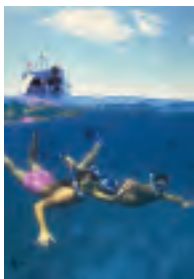
Missouri served from World War II through Desert Storm. Stand on the spot where Japan surrendered to the allies.

\$70 per adult and \$54 per child (4-12 yrs.) includes bottled water and lunch

*Return time may vary depending on entrance time to the memorials

Sailing and Snorkeling

Wednesday, March 29
8 a.m. – 1:30 p.m.



Every day is summer in paradise! Discover the azure waters off Waikiki on a cruise packed with activities! Bring your bathing suit, towel and sunscreen, and enjoy snorkeling, fishing, the waterslide, water trampoline, kayaking and other exciting water toys!

\$93 per adult and \$59 per child (3-11 yrs.) includes buffet lunch on the boat

Honolulu Highlights

Wednesday, March 29
12:30 – 3:30 p.m.



Take a drive through Honolulu as your tour guide points out the ʻIolani Palace, where Hawaii's last queen was imprisoned when the monarchy was overthrown, and the statue of King Kamehameha the Great, who unified the Hawaiian Islands under one rule. Cruise by the State Capitol with its statue of Father Damien as a silent sentinel, and on to the Spanish-styled City Hall. The city is also home to a thriving Chinatown, always bustling with interesting sights and sounds.

Continue the tour with a drive through the Punchbowl, the National Cemetery of the Pacific, followed by a stop at the famed Pali, a lookout on a cliff that provides stunning views of Oahu's most lush landscape. The tour will conclude with a drive to Diamond Head State Monument. You'll drive into the crater while your guide shares the history and significance of this state park.

\$53 per person includes bottled water and snack

Optional Tours and Events

Circle Island Tour

Thursday, March 30 and Friday, March 31
7:30 a.m. – 4 p.m.



Experience the culture and diversity of Hawaii. While on this 120-mile tour, you'll witness the most memorable highlights Oahu has to offer. The route includes Diamond Head, Halona Point, Byodo-In, through Ka'a'awa, lunch at

Crouching Lion Inn and Dole Plantation.

\$92 per person includes bottled water, snack and lunch

'Iolani Palace Grand Tour

Thursday, March 30
10:30 a.m. – 2:30 p.m.



Turn back time when you visit 'Iolani, the only royal palace on American soil. This was the official royal residence until the overthrow of the Hawaiian monarchy in 1893. Once the lifeline of the Hawaiian Islands and people, the Hawaiian

monarchy has left its mark on the culture and landscape of this beautiful island paradise. 'Iolani Palace is one of the most elegant reminders of Hawaii's royal past.

\$90 per adult and \$63 per child (5-17 yrs) includes lunch at Indigo restaurant

Homes and Gardens Tour

Thursday, March 30 and Friday, March 31
9 a.m. – noon



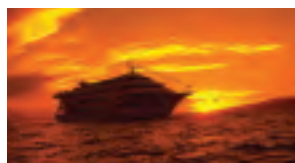
Seize this rare opportunity to visit three private homes and view some of Honolulu's most elegantly landscaped gardens. Also see lush tropical valleys, hillside estates with sweeping open vistas and unique

Hawaiian homes opening directly onto beautiful beaches. You'll be afforded an intriguing glimpse of the Hawaiian lifestyle, in which the garden becomes an integral part of the home.

\$69 per person includes light refreshments

Sunset Dinner Cruise

Thursday, March 30
4:30 – 8 p.m.



Welcome aboard the luxury liner, Star of Honolulu, with four spacious decks, elevator service, on-board galley and other exclusive amenities that set it in a class by itself. Dine in casual elegance with

Hawaiian music and the largest entertainment cast on the ocean.

\$121 per adult and \$77 per child (3-11 yrs) includes five-course dinner and show

Hawaiian Waterfall Hike

Friday, March 31
8 a.m. – noon



Observe Hawaii's rainforest plants and birds as we walk into the lush Ko'olau Mountains that rise above Kaneohe. Visit a secluded waterfall that spills into a rainforest pool. On this educational and fun hike, you will learn about the Hawaiians' use of various plant species and the area's interesting

environmental history. Excellent photographic opportunities! Put on your walking shoes, hats and sunscreen!

\$70 per adult and child (6 yrs. and older) includes lunch

Diamond Head Crater Climb

Saturday, April 1
6 a.m. – 8:30 a.m.



Early risers will enjoy a guided walk to the 763-foot summit and see the inside of Diamond Head Crater while learning fascinating information about the geology, history, archaeology, flora and fauna. Along the 45-minute hike,

stops will be made to rest and take photographs. You'll climb two stairways (76 and 99 steps) into a pitch-black, 300-foot tunnel. At the summit, you'll be treated to incredible panoramic views of Oahu. After a 15-minute stop, you'll descend slowly back to sea level. Put on your walking shoes, hats and sunscreen!

\$53 per adult and children (6 yrs. and older) includes continental breakfast and bottled water

Optional Tours and Events

One-Day Volcano Tour

Saturday, April 1

7 a.m. – 7 p.m.



This customized and exclusive tour allows you to jet to the Big Island of Hawaii to see Kilauea, an active volcano. Once there, you'll hear the legends of the fire goddess, Pele, on this informative narrated

tour that originates in Hilo. You'll be driven past waterfalls and gardens and explore the fascinating world of lava beds, steam vents and craters that make up Hawaii Volcanoes National Park. Lunch is at the historic Volcano House. Perched on the edge of the crater rim, the dining room features expansive views of the volcano. Stops have been built into this tour including a macadamia nut factory, Kilauea Iki Crater, Jaggar Museum, Rainbow Falls, Kalapana (the little town invaded by lava) and an orchid garden of brilliant blooms. The highlight of the day is an aerial tour by helicopter. From your perspective in the sky, you'll see the most geologically active environment on earth, with emphasis on the most current areas of volcanic activity. View lava flows and black sand beaches. See tropical rain forests and waterfalls while learning about the history and culture of Hawaii.

\$535 per person includes all ground transportation, round-trip jet airfare, lunch, admissions and a 45-minute helicopter tour

The Hole-In-The-Wall Eating Tour

Saturday, April 1

10 a.m. – 2 p.m.

This tour features fascinating history and culinary decadence! Bring a big appetite with you! You'll taste, touch and visit several different food gems and exotic ethnic restaurants recommended by the best local chefs that contribute to Honolulu's delicious melting pot. Your guide will answer all of your food questions. Prepare yourself for a fantastic day of eating behind-the-scenes in beautiful Honolulu!

\$89 per person includes tasting

Whale Watch Lunch Cruise

Saturday, April 1

11:15 a.m. – 3 p.m.



Whale watching in Hawaii has become a popular "must do" activity for all ages. Witnessing one of Mother's Nature's most magnificent creatures in its natural surroundings – their winter home in the beautiful Hawaiian waters of the Pacific – aboard the Atlantis Cruises' Navatek I boat is an event that should not be missed.

\$56 per adult and \$36 per child (2-12 yrs.) includes lunch





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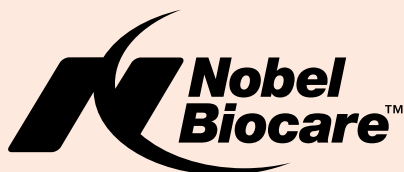
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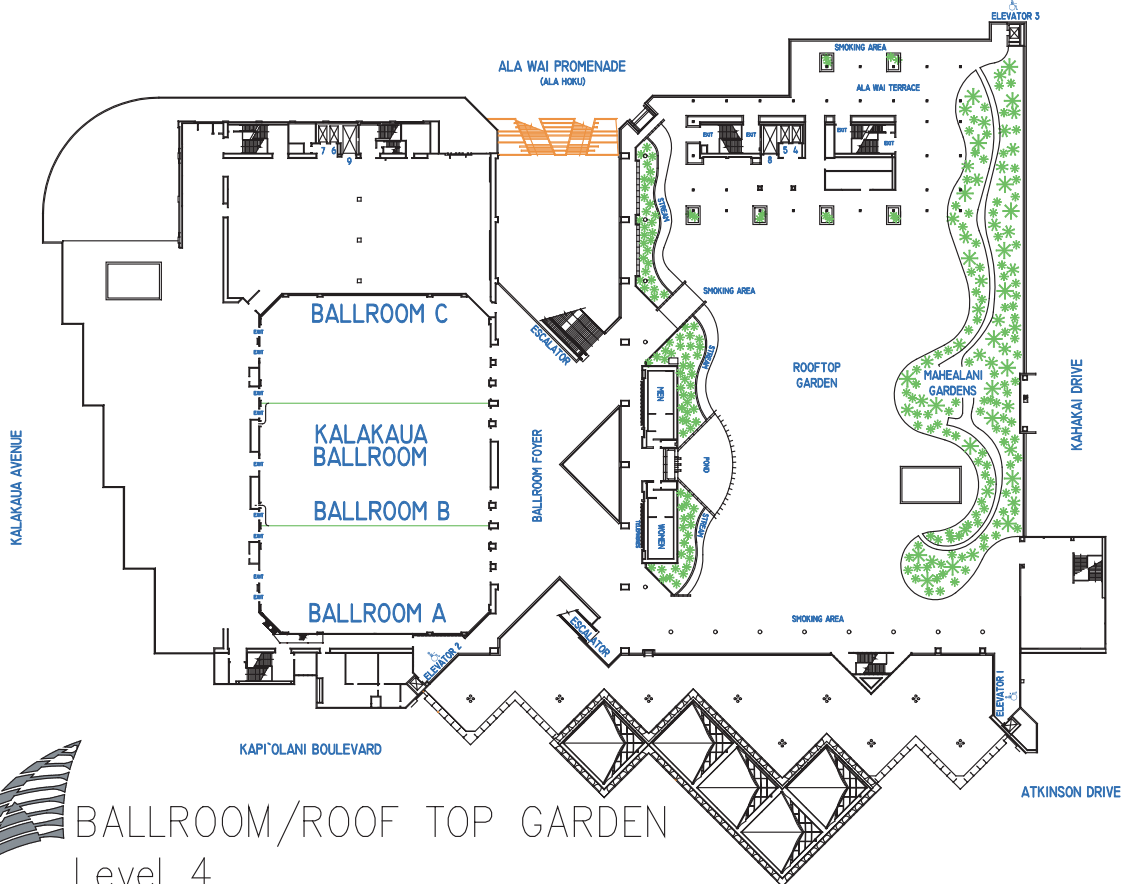
Hilton Hawaiian Village Map



Hawaii Convention Center Floor Plan



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2006 ANNUAL SESSION

March 29–April 1
Hawaii Convention Center
Honolulu, Hawaii



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<input type="checkbox"/> Microscope Photography	\$250	\$300	_____
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<input type="checkbox"/> Endodontic Retreatment	\$400	\$450	_____
<input type="checkbox"/> MTA Delivery	\$150	\$200	_____
Saturday, April 1			
<input type="checkbox"/> Media Training for Endodontists	\$100	\$150	_____
<input type="checkbox"/> Introduction to Endodontic Microscopy	\$400	\$450	_____

Subtotal 1 \$

Additional Tickets (For tickets not included in your registration package—see reverse)

	Qty.	Early by 2/20/06	Standard	Amount
Wednesday				
Golf Outing	_____	\$185	\$195	_____
Thursday				
Opening Session Breakfast	_____	\$30	\$40	_____
Louis I. Grossman Luncheon	_____	\$40	\$50	_____
Friday				
Edgar D. Coolidge Breakfast	_____	\$30	\$40	_____
President's Dinner Dance	_____	\$75	\$85	_____
Saturday				
General Assembly Breakfast	_____	\$30	\$40	_____

Subtotal 2 \$

Commemorative Shirt (Indicate quantity after each size)

☐ S _____ ☐ M _____ ☐ L _____ ☐ XL _____ ☐ XXL _____ X \$50 each

Subtotal 3 \$

TOTAL ENCLOSED

(Please total amounts in Subtotals 1, 2 and 3)

U.S. \$

Method of Payment

Payment is by (please check one): ☐ Visa ☐ MasterCard ☐ American Express
☐ Discover ☐ Check

Card Number

Expiration Date

Card Holder's Name (print)

Signature

Fax your completed form with credit card information to 866/451-9020 (North America) or 312/266-9867 (International), or mail with check to the address shown on reverse side.



Registration packages include the following:

Professional/Student/Auxiliary Member and Professional Guest Packages: Sessions and Exhibits, Welcome to Honolulu and the Opening Session, General Assembly and Coolidge Breakfasts. In addition, the Professional and Student Member packages will include one ticket to the President's Dinner Dance. *(Note: The Auxiliary package is only for dental assistants or office administrators who have joined the AAE. An endodontist's AAE membership does not include membership for his/her staff.)*

Alliance Member Package: Alliance membership dues and program activities, Welcome to Honolulu.

Family/Guest Package: Welcome to Honolulu.

Tickets for the Louis I. Grossman Memorial Luncheon are not included as part of any registration package. Attendees must purchase tickets separately.

Methods of Registration

Please choose one of the following methods to register for the 2006 Annual Session. Registrations will not be accepted prior to 9 a.m., CST on November 28, 2005. Registrations received prior to this time will not be processed.



Via the Internet: The Fastest, Most Efficient Way to Register!

Members are encouraged to register using the AAE's online registration system. This secure site not only saves you time but provides instant confirmation. To register, go to the AAE Web site at www.aae.org, and click on the Annual Session icon. Visa, MasterCard, American Express and Discover cards accepted.



By Fax

Complete the enclosed Registration Form, include your Visa, MasterCard, American Express or Discover information and fax it, toll-free to 866/451-9020 (North America), or 312/266-9867 (International).



By Mail

Send your completed Registration Form with payment to:

AMERICAN ASSOCIATION OF ENDODONTISTS
Attn: Annual Session Registration
211 E. Chicago Ave., Suite 1100
Chicago, IL 60611-2691



2006 ANNUAL SESSION

March 29–April 1
Hawaii Convention Center
Honolulu, Hawaii



Tour Registration Form

Personal Information (Please print or type)

Full Name		
Address		
City	State/Country	Zip/Postal Code
Phone	Fax	E-mail
Special Assistance (if applicable)		

Description	Qty.	Price	Amount	Description	Qty.	Price	Amount
Wednesday, March 29				Friday, March 31			
Arizona and Battleship	_____	\$70 adult	_____	Arizona and Battleship	_____	\$70 adult	_____
Missouri Memorials	_____	\$54 (4-12 yrs.)	_____	Missouri Memorials	_____	\$54 (4-12 yrs.)	_____
Sailing and Snorkeling	_____	\$93 adult	_____	Circle Island Tour	_____	\$92 per person	_____
	_____	\$59 (3-11 yrs.)	_____	Hawaiian Waterfall Hike	_____	\$70 adult	_____
Honolulu Highlights	_____	\$53 per person	_____		_____	(6 yrs. and older)	_____
Thursday, March 30				Homes and Gardens Tour	_____	\$69 per person	_____
Circle Island Tour	_____	\$92 per person	_____	Saturday, April 1			
Iolani Palace Grand Tour	_____	\$90 adult	_____	Diamond Head Crater Climb	_____	\$53 adult	_____
	_____	\$63 (5-17 yrs.)	_____		_____	(6 yrs. and older)	_____
Homes and Gardens Tour	_____	\$69 per person	_____	One-Day Volcano Tour	_____	\$535 per person	_____
Sunset Dinner Cruise	_____	\$121 adult	_____	The Hole-In-The-Wall	_____	\$89 per person	_____
	_____	\$77 (3-11 yrs.)	_____	Eating Tour	_____		
				Whale Watch Lunch Cruise	_____	\$56 per adult	_____
					_____	\$36 (2-12 yrs.)	_____
				Total U.S. \$			

Payment Information (Forms cannot be processed without payment information)

Payment is by (please check one): ☐ Visa ☐ MasterCard ☐ American Express


Card Number	Expiration Date
Card Holder's Name (print) (Credit card payments will be processed by Weil & Associates, Inc.)	
Billing Address (if different from above)	

The undersigned releases Weil & Associates, Inc., and the American Association of Endodontists, and any of their employees, from and against all claims, demands, suits, actions, losses (to persons or property), damages, injury (including personal or bodily injury or death), expenses (including attorney fees) or other liabilities of any kind, by, or in favor of, any person directly or indirectly arising out of or in connection with the Event, regardless of cause or fault.

Signature (required)

This signature represents and warrants approval for charging the credit card listed under payment, as well as agreement to the liability release.

Please see reverse for Tour Registration Procedures and Policies



Register in advance to ensure tour availability. On-site registration will be limited and accommodated on a space-available basis only.

Two Ways to Register



Fax this form with credit card information to Weil & Associates, Inc. at 808/955-0505.



Mail this form with credit card information or check made payable to:

Weil & Associates, Inc.
1357 Kapiolani Blvd., Suite 1450
Honolulu, HI 96814

Weil & Associates will process all tour requests and payment. *Please do not send this form or payment to the AAE.*

Full payment must accompany your registration form.

The closing date for advance tour registration is February 24, 2006. Please note that tours may sell out prior to this date.

Weil & Associates, Inc. has the right to cancel tours if minimums are not met by February 24, 2006. If this occurs, you will receive a full refund for the tickets previously purchased.

Tour confirmation notices will be sent within 7 working days of registration. All registrants must pick up their tour packets at the on-site tour desk (located at the AAE Registration and Information area at the Hawaii Convention Center) prior to departure during the following hours:

Tuesday, March 28	4 – 8 p.m.
Wednesday, March 29	6 a.m. – 3 p.m.
Thursday, March 30	6 a.m. – 2 p.m.
Friday, March 31	6:30 a.m. – 2:30 p.m.
Saturday, April 1	6:30 – 11:30 a.m.

All tours will depart from the Tapa Tower bus depot at the Hilton Hawaiian Village.

An adult must accompany all persons under the age of 18.

Any special needs requests must be made at least 30 days prior to the tour selected (e.g., wheelchair access, allergies, etc.).

Cancellation Policy

All cancellations must be received, in writing, faxed to Weil & Associates, Inc., at 808/955-0505 or e-mailed to aae@weildmc.com by February 24, 2006. No refunds will be issued after this date. All cancellations will incur a \$20 processing fee. No ticket switching or name changing with the registrar will be accepted after this date. Refunds will be made within 14 days of cancellation.

Please contact the tour registrar at aae@weildmc.com if you have any questions regarding the AAE 2006 Optional Tours and Events Program.



Products
Layout
To Come

Future Annual Session Dates

2007



Philadelphia, Pennsylvania

Philadelphia Convention Center

April 25 – 28

2008



Vancouver, British Columbia, Canada

Vancouver Convention and Exhibition Centre

April 9 – 12

2009



Orlando, Florida

Gaylord Palms Resort and Convention Center

April 29 – May 2

2010



San Diego, California

San Diego Convention Center

April 14 – 17

2011



San Antonio, Texas

San Antonio Convention Center

April 13 – 16

For ongoing Annual Session information, visit our Web site at www.aae.org!

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AMERICAN ASSOCIATION OF ENDODONTISTS

211 E. Chicago Ave, Suite 1100, Chicago, IL 60611-2691

Phone: 800/872-3636 (North America) or 312/266-7255 (International)

Fax: 866/451-9020 (North America) or 312/266-9867 (International)

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