

engage

energize

educate

# aae'09

ANNUAL SESSION

Orlando, Florida

April 29 – May 2

Gaylord Palms Resort and  
Convention Center



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### engage. . .

Gather with peers, vendors and other influential people to ask questions, solve problems and get new ideas. Now is the perfect time to get involved in the specialty and see an immediate impact in your day-to-day work!

### energize. . .

Step into the fantastic Floridian setting and a wealth of healthy, family-friendly activities. Whether you choose a fitness class or a local theme park, we've prepared entertainment options with you, your staff and your family in mind. Don't miss the *Celebrate Orlando!* event this year—featuring entertainment by The Beach Boys—as well as our special golf outing, morning fitness classes and more!

### educate. . .

More than 110 cutting-edge educational opportunities and up to 28 CE units are at your disposal this year! Highlights of the scientific program include a Master Clinician Series featuring live, nonsurgical endodontic techniques in a theater-in-the-round setting, a Pre-Session Symposium on advanced surgical procedures, a track focused on one of the specialty's hottest topics—regenerative endodontics, and an exciting lineup of 9 hands-on workshops.

Take advantage of what this year's meeting has in store for you—register today at [www.aae.org](http://www.aae.org)!

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# welcome

## Dear Colleagues,

Use your imagination and picture your ideal educational event. If our visions are the same, you see offerings that nurture your whole person—mind, body and spirit. Thought leadership from the top endodontic minds covering subjects on the cutting-edge of our specialty. . .Healthy leisure activities that get you outside during down times to spend time with family. . .The warmth and collegiality of catching up with friends from around the country and across the globe. . .

Achieving this vision was the goal of the Annual Session Planning Committee, track organizers and other contributors who developed this year's meeting. Engage. Energize. Educate. These three simple words encapsulate the essence of the 66<sup>th</sup> annual meeting of our Association. Following is a preview of what will be available in 2009, with further details shared throughout this program book.

This year's educational program represents a break-through in the pattern of excellence that has characterized our gatherings. The new Master Clinician Series on nonsurgical endodontics is a premier learning venue for endodontists, offered exclusively by the AAE. Look for the special icons identifying these sessions, as well as courses developed solely for educators, residents and new practitioners, and professional staff. In addition, this year's Pre-Session Symposium on advanced surgical procedures will give you the confidence and skill to include these treatment options in your scope of practice and evaluate when alternatives to endodontic treatment are appropriate. Clinical and scientific topics throughout this year's program are combined with practical applications for any endodontic setting—choose to focus on one "track" area, like regenerative endodontics or practice management, or attend a variety of sessions.

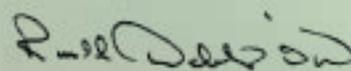
Throughout the meeting, there will be opportunities to rejuvenate by stepping away from the meeting rooms and into the spectacular environment of the Gaylord Palms signature atrium or our incredible "after hours" activities. Plan now to dance the night away at the *Celebrate Orlando!* event, featuring none other than The Beach Boys at the Hard Rock Live at Universal Studios! A special golf outing on Wednesday and Platoon Fitness classes will also be offered this year to help you stay in shape, and fun for your whole family has been planned with discounted tickets to Orlando's famous theme parks, which are available to all attendees.

With all of these new activities, traditional special events and favorites such as the largest exhibit hall of endodontic vendors, I'm sure you can understand why we are more excited than ever about this Annual Session. Don't miss your chance to engage in the best our specialty has to offer—register today!

Warm Regards,



Louis E. Rossman, D.M.D.  
President



Ronald I. Deblinger, D.M.D.  
General Chair

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# schedule at-a-glance

All events take place at the Gaylord Palms Resort and Convention Center unless otherwise noted. Please refer to the Educational Sessions portion of this program for session room assignments. A separate program detailing Oral and Poster Research Presentations and Table Clinics will be distributed onsite.

## Tuesday, April 28

**3 – 8 p.m.**                    **Registration and Information**  
Exhibit Level

## Wednesday, April 29

**7 a.m. – Depart**            **Golf Outing**  
Falcon's Fire Golf Club

**7 – 8 a.m.**                    **Continental Breakfast for  
Pre-Session Symposium/  
Workshop Attendees**  
Osceola Ballroom Foyer

**7 a.m. – 7 p.m.**            **Registration and Information**  
Exhibit Level

**8 a.m. – 5 p.m.**            **Pre-Session Symposium**  
Osceola Ballroom  
**Endodontic Microsurgery  
Workshop**  
Osceola 2

**Noon – 1 p.m.**            **Luncheon for Pre-Session  
Symposium/Workshop  
Attendees**  
Piazza

**5:30 – 6:30 p.m.**        **International Reception**  
Orange Blossom Ballroom

**6:30 – 8 p.m.**            **Welcome Reception**  
Piazza

## Thursday, April 30

**6 – 7 a.m.**                    **AAE Boot Camp**  
Convention Center Porte Cochere,  
Exhibit Level

**7 a.m. – 5 p.m.**            **Registration and Information**  
Exhibit Level

**8 – 10 a.m.**                **Opening Session Breakfast**  
Osceola Ballroom

**10 – 11 a.m.**            **District Caucuses**  
District I – Tampa  
District II – Tallahassee  
District III – Sanibel  
District IV – Miami  
District V – Naples  
District VI – Sun C  
District VII – Sun D

**10 a.m. – noon**            **Professional Staff Coffee**  
Captiva

**10 a.m. – 5 p.m.**            **Exhibits Open**  
Exhibit Halls ABC

**10:30 a.m. – 5 p.m.**      **Oral Research Presentations**  
Ballroom Level  
**Basic Suturing and Soft Tissue  
Management in Microsurgical  
Endodontics Workshop**  
Osceola 2

**11 a.m. – noon**            **Affiliate Leadership Meeting**  
Destin

**AAE Boot Camp**  
Convention Center Porte Cochere,  
Exhibit Level

**Noon – 1:30 p.m.**        **Louis I. Grossman Memorial  
Luncheon**  
Sun Ballroom A

**1:30 – 3 p.m.**            **Educational Sessions and Oral  
Research Presentations**  
Ballroom Level

**3 – 3:30 p.m.**            **Break**

**3:30 – 5 p.m.**            **Educational Sessions and  
Oral Research Presentations**  
Ballroom Level

**5:30 – 6:30 p.m.**        **AAE Boot Camp**  
Convention Center Porte Cochere,  
Exhibit Level

# schedule at-a-glance

## Friday, May 1

6 – 7 a.m.	<b>AAE Boot Camp</b> Convention Center Porte Cochere, Exhibit Level
7 a.m. – 6 p.m.	<b>Registration and Information</b> Exhibit Level
8 – 9:30 a.m.	<b>Educational Sessions and Oral Research Presentations</b> Ballroom Level
8 – 11:30 a.m.	<b>Poster Research Presentations and Table Clinics</b> Exhibit Halls ABC
8 a.m. – 6 p.m.	<b>Exhibits Open</b> Exhibit Halls ABC
9:30 – 10 a.m.	<b>Break</b>
10 – 11:30 a.m.	<b>Educational Sessions and Oral Research Presentations</b> Ballroom Level
11:45 a.m. – 1:15 p.m.	<b>Edgar D. Coolidge Luncheon</b> Osceola Ballroom
1:45 – 3:15 p.m.	<b>Educational Sessions</b> Ballroom Level
3:15 – 3:30 p.m.	<b>Break</b>
3:30 – 5 p.m.	<b>Educational Sessions</b> Ballroom Level
5 – 6 p.m.	<b>Exhibit Hall Happy Hour and Foundation Live Auction</b> Exhibit Halls ABC
5 – 6:30 p.m.	<b>Resident Reception</b> Piazza
5:30 – 6:30 p.m.	<b>AAE Boot Camp</b> Convention Center Porte Cochere, Exhibit Level
6 – 7:30 p.m.	<b>Professional Staff Reception</b> Suite 8329
9 p.m. – midnight	<b>Celebrate Orlando! Featuring The Beach Boys</b> Hard Rock Live 6050 Universal Blvd.

## Saturday, May 2

6 – 7 a.m.	<b>AAE Boot Camp</b> Convention Center Porte Cochere, Exhibit Level
7 a.m. – 5 p.m.	<b>Registration and Information</b> Exhibit Level
7:15 – 9 a.m.	<b>General Assembly Breakfast</b> Osceola Ballroom
8 a.m. – 2 p.m.	<b>Exhibits Open</b> Exhibit Halls ABC
9:15 – 10:45 a.m.	<b>Educational Sessions</b> Ballroom Level
9:15 a.m. – 12:30 p.m.	<b>Poster Research Presentations and Table Clinics</b> Exhibit Halls ABC
10:45 – 11 a.m.	<b>Break</b>
11 a.m. – 12:30 p.m.	<b>Educational Sessions</b> Ballroom Level
12:30 – 1:30 p.m.	<b>Break</b>
	<b>AAE Boot Camp</b> Convention Center Porte Cochere, Exhibit Level
1:45 – 3:15 p.m.	<b>Educational Sessions</b> Ballroom Level
3:15 – 3:30 p.m.	<b>Break</b>
3:30 – 5 p.m.	<b>Educational Sessions</b> Ballroom Level
6 – 7 p.m.	<b>AAE Foundation Leadership Donor Reception</b> Orange Blossom Ballroom

# educational tracks

The following educational tracks have been designed to allow you to concentrate on one area of interest or attend sessions addressing a variety of topics. In addition, a Professional Staff track has been designed for the endodontic team. Below is an overview of each track; please refer to the session synopses for a detailed description of each session. The Annual Session Planning Committee gratefully acknowledges the track organizers noted below for their dedication and contribution to this year's program.

## Nonsurgical Endodontics (NS)



Ove A. Peters, D.M.D., M.S., Ph.D.  
Mill Valley, Calif.

The clinical practice of nonsurgical endodontics has seen incredible changes over the last decade. Advancements in biological, clinical and technical sciences have increased our understanding of the pathophysiology of pulpal and periradicular disease and our ability to render effective treatments. The challenge to clinicians is to remain abreast of these advances and to base therapy on currently available evidence.

This year's nonsurgical endodontic track includes a broad spectrum of relevant scientific updates and exciting new formats, including the Master Clinician Series featuring live, nonsurgical endodontic techniques by leading endodontic experts in a theater-in-the-round setting. This and other new formats reflect best clinical practices and highlight the current scientific discovery process. In addition, care was taken to select speakers who are not only recognized experts in their fields, but who can provide critical analyses from a variety of different viewpoints.

## Thursday

- NS-100:** *Enterococcus Faecalis* in Root Canal Infections: Frequency, Relevance and Clinical Management
- NS-101:** Clinical Data From PAD
- NS-102:** Current Research in Photosensitizers: New Solutions for a Persistent Problem
- NS-103:** Endodontic Microbiology: What is Important for the Daily Practice?
- NS-104:** Boning Up on Osteoporosis: Medical and Dental Considerations

## Friday

- NS-200:** Interpretation of Data From Cone-Beam CT
- NS-201:** The Continuous Wave of Obturation Technique
- NS-202:** Healing of Periradicular Lesions

## Friday continued

- NS-203:** Periapical Disease and Overall Health: Current Evidence
- NS-204:** Carrier-Based Obturation
- NS-205:** Why a Surgical Approach for Periradicular Lesions?
- NS-206:** Nomenclature of Pulp and Periapical Diseases
- NS-207:** Digital Documentation and Information Management: Creating Effective and Predictable Microimages for Office Documentation and Professional Presentations
- NS-208:** Active Gutta-Percha and Sealer-Based Obturation Techniques
- NS-209:** Enamel: Origin and Fate
- NS-210:** Endodontic Decision-Making: The Current View
- NS-211:** Resin Technology and Intraradicular Bonding Techniques
- NS-212:** Dentin: Origin and Fate
- NS-213:** Endodontic Decision-Making 15 Years From Now

## Saturday

- NS-300:** Building on Sure Foundations? Some Practical Thoughts on MTA
- NS-301:** The Outer Space of Endodontics: Sport, Forensic Science and More
- NS-302:** Carrier-Based Obturation: Issues of Application and Retreatment
- NS-303:** Endodontic Irrigation via Apical Negative Pressure
- NS-304:** MTA: Biomechanisms
- NS-305:** Why a Nonsurgical Approach for Periradicular Lesions?
- NS-306:** Ultrasonically Activated Irrigation
- NS-307:** High-Resolution Cone-Beam Computed Tomography in Endodontic Practice

## Saturday continued

- NS-308:** Reasons for Instrument Fracture: Raw Material and Production Process
- NS-309:** Endodontic Anatomy: Role in Endodontic Outcomes
- NS-310:** Integrating Plastic Rotary Files Into Your Conventional Endodontic Treatment
- NS-311:** Impact of Low-Cycle Fatigue and Torsional Load
- NS-312:** Novel Strategies in Root Canal Obturation
- NS-313:** Endodontic Disinfection: Tsunami Irrigation

## Practice Management (PM)



James F. Wolcott, D.D.S.  
*Colorado Springs, Colo.*



Susan L. Wolcott, D.D.S.  
*Colorado Springs, Colo.*

Every practice style is different, and with the increasing use of e-commerce and the budding trend of endodontists placing implants, there is a lot to keep up with in managing your practice. This track will walk you through some of the day-to-day trials and tribulations of running a practice, including implants, marketing and Web site development. These sessions will help keep your practice moving in a positive direction by identifying your practice style, and developing some plans and strategies to take back to your office.

## Thursday

- PM-100:** Integrating Internet Technology Within the Endodontic Practice
- PM-101:** Real Associateships in the Real World
- PM-102:** Online Referral Collaboration and Web Site Development
- PM-103:** Using Social Media to Share Knowledge and Elevate Your Practice

## Friday

- PM-200:** Competitive-Edge Marketing: What's Your Brand?
- PM-201:** Professional Liability With Cases
- PM-202:** Marketing Your Endodontic Practice and Dental Implants
- PM-203:** Implant Forum—How to Integrate Implants Into an Endo Practice
- PM-204:** Implant Marketing

## Saturday

- PM-300:** Employee Liability
- PM-301:** Finding and Stopping Fraud: Painless as a Root Canal

## Professional Staff (PS)



Bruce C. Justman, D.D.S.  
*Cedar Rapids, Iowa*

The Professional Staff track promises to deliver something for every member of the endodontic team. Sessions cover a wide range of topics—from infection control and sterilization procedures to dealing with confrontation and nutrition and dietary dental influences. For the first time, CPR recertification will be available and the AAE Dental Benefits Committee will also be presenting a course to answer your questions about coding.

In addition to this devoted track, many of the other educational sessions throughout the program will be of great interest to staff, providing new knowledge and expertise to take back to the office. These sessions are denoted by the  icon.

Make sure to participate in the new Professional Staff Coffee and Reception events that have been added to the special event schedule just for you!

## Thursday

- PS-100:** The Science and Sizzle of Super Speaking
- PS-101:** Protect the Lives You Touch—Review of CDC Infection Control Guidelines
- PS-102:** OSHA Safety—A Win for Everyone!

continued

# educational tracks

## Professional Staff (PS) *continued*

### Friday

- PS-200:** Reporting Endodontic Procedures Through Dental Codes
- PS-201:** Using Administrative Study Clubs as a Marketing Tool
- PS-202:** CPR Recertification With the American Heart Association
- PS-203:** Dealing With Confrontation in the Office
- PS-204:** CSI Endo: Chairside Importance
- PS-205:** CPR Recertification With the American Heart Association
- PS-206:** CSI Endo: Special Services

### Saturday

- PS-300:** What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All
- PS-301:** Creating an Office Image
- PS-302:** What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All
- PS-303:** Dietary Supplements and Dentistry: Complimentary or Conflicting?

## Regenerative Endodontics (RE)



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

Regenerative medicine is having an increasing impact on our health and quality of life. In recent years, there has been growing interest and activity in the area of regenerative endodontics. This track will help endodontists understand the essentials of stem cells and regenerative procedures; funding and initiatives in regenerative dental research; and the scope of development in this area, from preclinical research to clinical applications.

### Thursday

- RE-100:** Regenerative Endodontics—Biology and Clinical Update
- RE-101:** Stem Cell and Regenerative Medicine Research: Opportunities for Endodontics—The NIDCR Perspective

### Friday

- RE-200:** Regeneration/Revascularization Database Update
- RE-201:** Endodontic Revascularization Technique
- RE-202:** Stem Cells 101
- RE-203:** Regeneration of Orofacial Tissues
- RE-204:** Dental Tissue-Derived Stem Cells—The Biology and Role in Regenerative Endodontics

### Saturday

- RE-300:** Direct Pulp Capping: Can it be Successful?
- RE-301:** Endodontic Regeneration: Lessons Learned and Future Directions
- RE-302:** Regenerative Endodontics: Reparative Dentin Formation

## Surgical Endodontics (S)



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

The modern endodontic practice must include surgical as well as nonsurgical endodontics and, in some instances, endosseous implants. In this track, prominent speakers with expertise in their chosen field will share their educated thoughts, clinical experiences and “know-how.” The subject matter covered will include proven and established guidelines for surgical versus nonsurgical retreatment. Outcome assessments of surgery, implants and extractions will also be presented from the endodontist’s and implantologist’s points of view. A rigorous evaluation and comparison will be made of implants versus endodontically treated teeth and the utilization of high-tech instruments, such as cone-beam computed tomography and lasers in surgical endodontics will be critically examined. These sessions promise to provide up-to-date and thought-provoking information.

### Wednesday

- S-1:** Endodontic Microsurgery

## Thursday

- S-100:** Basic Suturing and Soft Tissue Management in Microsurgical Endodontics
- S-101:** Guidelines for Nonsurgical and/or Surgical Retreatment
- S-102:** Critical Comparison of Endodontics and Implants: Results of Meta Analysis and Clinical Investigations

## Friday

- S-200:** Microsurgery A-Z
- S-201:** Implants Versus Endodontically Treated Teeth

## Saturday

- S-300:** When to and When not to—From Fresh Socket to Delayed Implants
- S-301:** How to Successfully Incorporate Microsurgery Into Your Practice
- S-302:** Updates on Bone-Grafting Procedures: Application to Endo Surgery and the Outcome Assessment of Microsurgery With MTA
- S-303:** Laser and Computed Tomography: Their Role in Microsurgery

## Submitted Presentations (SP)



Sandra Madison, D.D.S., M.S.  
Asheville, N.C.

The Submitted Presentations track is comprised of sessions selected from member response to the Annual Session Planning Committee's Call for Presentations. The sessions are 60 to 90 minutes in length, providing a variety of topics throughout the three days of programming. The presentations provide participants with a broad range of interesting topics to complete the continuing education experience.

## Thursday

- SP-100:** Photodynamic Therapy: An Adjunctive Antimicrobial Endodontic Procedure
- SP-101:** Enhancing Scientific Evidence With Nondestructive Imaging: A New Generation in Experimental Endodontology
- SP-102:** Evidence-Based Investing and the Failure of Conventional Wisdom

## Friday

- SP-200:** One-Visit Endodontics—Is it Reliable Therapy? A Review of Irrigants and Intracanal Medicaments
- SP-201:** Incorporating Implants in the Surgical Endodontic Practice: Practice Management Considerations
- SP-202:** Pulp Revascularization—What is the Big Idea?
- SP-203:** Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale
- SP-204:** State-of-the-Art Analysis of Endodontic Microflora: Does it Provide Valuable Clinical Insights?
- SP-205:** Teaching and Implementing Evidence-Based Endodontics/Dentistry
- SP-206:** The Second Mesio Buccal Canal—From Frustration to Fascination
- SP-207:** Endodontic Disinfection: How to Plan the Study in Order to Avoid the Common Problems Regarding the Validity and Reliability of the Results
- SP-208:** The Best Kept Secret in Endodontics: "What Every Clinician Should Know"
- SP-209:** The Effect of Endodontic Irrigation Systems on the Disinfection of the Root Canal
- SP-210:** ABE Boardwalk
- SP-211:** The Hidden Anatomy of the Bifurcated Maxillary Premolar and its Clinical Implications
- SP-212:** Endodontic Treatment Versus Implant Treatment: Establishing the Actual Potential of Each Side
- SP-213:** What is my Endodontic Practice Worth and How do I Transition It?
- SP-214:** Pulpal Neuropeptides in Restorative Dentistry: The Good, the Bad and the Ugly
- SP-215:** Resident and New Practitioner Career Fair

continued

## Submitted Presentations (SP) *continued*

### Saturday

- SP-300:** Large Lesions: Endodontic or Surgical Treatment?
- SP-301:** The Miracle of MTA
- SP-302:** AAE Public Awareness Campaign: How Your Practice Benefits
- SP-303:** Socket Graft or Immediate Implant Placement: The Surgical Techniques an Endodontist Should Know and Master
- SP-304:** Success for Mandibular Anesthesia
- SP-305:** Production Pitfalls: Strategies to Effectively Prevent Them!
- SP-306:** Apexification—The Beginning of its End?
- SP-307:** Endodontics and Implants: 15 Years of Clinical Perspective, Predictability to Pitfalls
- SP-308:** Good to Great
- SP-309:** Chairside Manner—How to Gain Your Patients' Respect, Love and Loyalty
- SP-310:** A New, Modified Thermoplastic Technique for Adhesive Obturation
- SP-311:** Apexification or Apical Barrier Technique: Which One?
- SP-312:** Local Anesthetic Reversal: It's About Time
- SP-313:** Outcome of Endodontic Treatment: How Well are we Doing?
- SP-314:** Separated Instruments: Are They the Nightmare we Believe? Changing the Perspective
- SP-315:** Nonsurgical Endodontic Therapy of Large Cyst-Like Lesions and Apical True Cysts
- SP-316:** "Doctor, It Still Hurts!" Resolving Endodontic Anesthesia Problems

Numerous educational opportunities are part of the 2009 Annual Session, including focused workshops. These sessions provide hands-on exposure to a number of areas, including interpretation of data from a cone-beam CT, endodontic revascularization technique and carrier-based obturation.

For a complete synopsis of each workshop, please refer to the page numbers denoted below. Early registration is encouraged as attendance is limited (see page 84).

### Wednesday

8 a.m. – 5 p.m.

#### S-1: Endodontic Microsurgery

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

*Track: Surgical Endodontics*

*Fee: \$800 early/\$850 standard (includes continental breakfast and lunch)*

See page 23 for a complete session synopsis.

### Thursday

10:30 a.m. – 5 p.m.

#### S-100: Basic Suturing and Soft Tissue Management in Microsurgical Endodontics

Ali Fakhry, D.M.D., M.S.

*Track: Surgical Endodontics*

*Fee: \$600 early/\$650 standard (includes lunch)*

See page 24 for a complete session synopsis.

3:30 – 5 p.m.

#### PM-102: Online Referral Collaboration and Web Site Development

Jay R. Levine

*Track: Practice Management*

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

See page 29 for a complete session synopsis.

## Friday

8 – 11:30 a.m.

### **NS-200: Interpretation of Data From Cone-Beam CT**

Madhu K. Nair, D.M.D., M.S., Ph.D.

*Track: Nonsurgical Endodontics*

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

See page 32 for a complete session synopsis.

### **PS-202: CPR Recertification With the American Heart Association**

Bill Campbell, Lieutenant/EMT

*Track: Professional Staff*

*Fee: \$50 early/\$75 standard*

See page 35 for a complete session synopsis.

### **RE-201: Endodontic Revascularization Technique**

Todd M. Geisler, D.D.S.

Donna J. Mattscheck, D.M.D.

*Track: Regenerative Endodontics*

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

See page 35 for a complete session synopsis.

1:45 – 5 p.m.

### **NS-207: Digital Documentation and Information Management: Creating Effective and Predictable Microimages for Office Documentation and Professional Presentations**

George A. Bruder III, D.M.D.

*Track: Nonsurgical Endodontics*

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

See page 42 for a complete session synopsis.

### **PS-205: CPR Recertification With the American Heart Association**

Bill Campbell, Lieutenant/EMT

*Track: Professional Staff*

*Fee: \$50 early/\$75 standard*

See page 35 for a complete session synopsis.

## Saturday

9:15 a.m. – 5 p.m.

### **NS-302: Carrier-Based Obturation: Issues of Application and Retreatment**

Stephen P. Niemczyk, D.M.D.

*Track: Nonsurgical Endodontics*

*Fee: \$800 early/\$850 standard (includes lunch)*

See page 54 for a complete session synopsis.

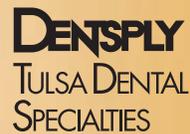
*Equipment and supplies for some courses have been provided by several companies. A complete list will be available onsite.*



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## Integration of Advanced Surgical Procedures in Your Endodontic Practice

Osceola Ballroom – Moderator: W. Craig Noblett, D.D.S., M.S., Berkeley, Calif.

Schedule			
7 – 8 a.m.	Continental Breakfast	Noon – 1 p.m.	Lunch
8 – 8:15 a.m.	Welcome	1 – 2:15 p.m.	Aesthetic Principles of Soft Tissue Management
8:15 – 9:15 a.m.	Treatment Planning and Prognosis	2:15 – 3:15 p.m.	Wound Healing and Suturing Techniques
9:15 – 10:30 a.m.	Principles of Root-End Surgery and Flap Design	3:15 – 3:45 p.m.	Break
10:30 – 11 a.m.	Break	3:45 – 5 p.m.	Alternative Surgical Procedures, Immediate Single-Tooth Implants, Tissue Type and Emergence Profile
11 a.m. – noon	Grafting and Guided Tissue Regeneration		

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Fees			
The following fee schedule is in addition to Annual Session registration and includes a continental breakfast and lunch.			
	Early (by March 25)	Standard	<b>Available CE Units: 7</b> 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, April 28, between 3 and 8 p.m., and on Wednesday, April 29, between 7 and 8 a.m. Registration will not be granted after 8 a.m. the day of the program. To avoid registration lines, preregistered attendees are encouraged to pick up their materials on Tuesday.
AAE Professional:	\$465	\$515	
AAE Student:	\$85	\$135	
AAE Professional Staff:	\$105	\$155	
Professional Guest (U.S.):	\$950	\$1,000	
Professional Guest (Int'l):	\$535	\$585	
Student Guest:	\$535	\$585	
Professional Staff Guest:	\$535	\$585	

## Treatment Planning and Prognosis



Frank C. Setzer, D.M.D.  
*Philadelphia, Pa.*

Many practitioners face the decision of when to treat a tooth endodontically or when to extract it and place an implant. This session reviews evidence-based research on the long-term success and survival of implants and endodontically treated teeth. Guidelines and diagnostic criteria will be discussed when planning initial endodontic treatment, as well as endodontic retreatment and microsurgical endodontics versus extraction and implant placement. Selected cases are presented to discuss different points of view and treatment approaches.

At conclusion, participants should be able to:

- Compare endodontic and implant treatment options in regards to success and survival rates.
- Make an educated decision whether to endodontically treat a tooth or extract and replace it with an implant.
- Explain the importance of an interdisciplinary treatment planning approach.

## Principles of Root-End Surgery and Flap Design



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

This presentation will highlight key goals that are biologically based and which must be achieved to provide predictably acceptable outcomes in the provision of surgical endodontic procedures. Concepts and their applications will be supported by either evidence-based studies or the best evidence available to date.

At conclusion, participants should be able to:

- List the key goals of surgical endodontic treatment and provide a biological basis for such.
- Discuss in depth the essential steps that must be taken in each clinical surgical directive for successful outcomes.
- Identify instruments and materials that are required to achieve acceptable outcomes with surgical intervention.

## Grafting and Guided Tissue Regeneration



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

Guided tissue regeneration techniques have moved toward grafting techniques. The concept of selective repopulation of the defect guided by membranes has evolved into the occupation of the space, allowing entrance only to osteoblastic cells. The combined utilization of calcium sulfate and polylactic and polyglycolic acid has opened new perspectives in the treatment of endo-perio lesions and sinus perforations. Contemporarily, there has been the development of new concepts in the FSI with immediate loading.

At conclusion, participants should be able to:

- Select a correct technique and material for each case.
- Have a protocol that is easy to handle.
- Evaluate the limits of conservative treatment.

## Aesthetic Principles of Soft Tissue Management



Ali Fakhry, D.M.D., M.S.  
*Iowa City, Iowa*

This lecture reviews the fundamentals of soft tissue management in surgical endodontics. Emphasis will be placed on achieving optimal flap manipulation, reducing scar formation and optimizing esthetic outcomes. The interplay between the underlying anatomy, the periodontal biotype and the prescribed surgical protocol will be highlighted.

At conclusion, participants should be able to:

- Explain the differences between periodontal biotypes.
- Discuss incision designs for reducing scar formation and optimizing blood flow.
- List the benefits of microsurgical approaches to soft tissue manipulation.

## Wound Healing and Suturing Techniques



Peter Velvart, D.M.D.  
*Zürich, Switzerland*

Complete, recession-free and predictable healing of gingival tissue is one important goal of endodontic surgical treatment. A critical review of currently used techniques based on clinical and scientific data reveals great potential for improvements. This session gives an overview and guidance for integrating current and new successful flap designs in correspondence to wound closure methods. The methods described have the intention of maintaining the attachment level and avoiding postoperative recession after surgical endodontic therapy.

At conclusion, participants should be able to:

- Describe the reaction pattern of the tissues involved and the healing principles after the wound closure.
- Apply this knowledge for correct decision-making on choosing the appropriate type of incision and flap design.
- Describe the correlation between the healing pattern and minimal invasive tissue handling.

## Alternative Surgical Procedures, Immediate Single-Tooth Implants, Tissue Type and Emergence Profile



Harold S. Baumgarten, D.M.D.  
*Philadelphia, Pa.*

Traditional techniques for implant placement often result in less than optimal esthetic outcomes. This session will discuss when traditional surgical techniques are indicated and when other techniques, such as immediate implant placement, flapless surgery and immediate provisionalization are required to optimize the esthetic result.

At conclusion, participants should be able to:

- Recognize the thin-scalloped and the thick-flat periodontal biotypes.
- Explain the curve depicting implant stability as a function of time.
- Describe the technique of immediate implant placement into an extraction site utilizing a flapless approach with immediate provisionalization.

## The Pre-Session Symposium is planned by the Continuing Education Committee

### 2008-2009 Members

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# session planner

## Track Key

- NS – Nonsurgical Endodontics
- PM – Practice Management
- PS – Professional Staff
- PSS – Pre-Session Symposium
- RE – Regenerative Endodontics
- S – Surgical Endodontics
- SP – Submitted Presentations

## Wednesday

8 a.m. – 5 p.m.

(See pages 17-19 and 23 for complete session synopses)

- **PSS**: Integration of Advanced Surgical Procedures in Your Endodontic Practice (*H. Baumgarten, A. Fakhry, J. Gutmann, G. Pecora, F. Setzer, P. Velvart*)
- **S-1**: Endodontic Microsurgery (*R. Rubinstein*)

## Thursday

10:30 a.m. – 5 p.m.

(See page 24 for complete session synopsis)

- **S-100**: Basic Suturing and Soft Tissue Management in Microsurgical Endodontics (*A. Fakhry*)

1:30 – 2:30 p.m.

(See page 24 for complete session synopses)

- **SP-100**: Photodynamic Therapy: An Adjunctive Antimicrobial Endodontic Procedure (*T. Pagonis*)
- **SP-101**: Enhancing Scientific Evidence With Nondestructive Imaging: A New Generation in Experimental Endodontology (*H. Shemesh*)

1:30 – 3 p.m.

(See pages 25-27 for complete session synopses)

- **NS-100**: *Enterococcus Faecalis* in Root Canal Infections: Frequency, Relevance and Clinical Management (*C. Sedgley*)
- **NS-101**: Clinical Data From PAD (*P. Lambrechts*)
- **PM-100**: Integrating Internet Technology Within the Endodontic Practice (*J. Levine*)
- **PS-100**: The Science and Sizzle of Super Speaking (*D. Reznik*)
- **PS-101**: Protect the Lives You Touch—Review of CDC Infection Control Guidelines (*J. Dorst*)
- **RE-100**: Regenerative Endodontics—Biology and Clinical Update (*K. Hargreaves*)
- **S-100 continued**
- **S-101**: Guidelines for Nonsurgical and/or Surgical Retreatment (*B. Karabucak, M. Kobi*)

3:30 – 4:30 p.m.

(See page 27 for complete session synopsis)

- **SP-102**: Evidence-Based Investing and the Failure of Conventional Wisdom (*P. Beaird*)

## Thursday continued

3:30 – 5 p.m.

(See pages 28-31 for complete session synopses)

- **NS-102**: Current Research in Photosensitizers: New Solutions for a Persistent Problem (*A. Kishen*)
- **NS-103**: Endodontic Microbiology: What is Important for the Daily Practice? (*K. Gulabivala*)
- **NS-104**: Boning Up on Osteoporosis: Medical and Dental Considerations (*B. Steinberg*)
- **PM-101**: Real Associateships in the Real World (*D. Reznik*)
- **PM-102**: Online Referral Collaboration and Web Site Development (*J. Levine*)
- **PM-103**: Using Social Media to Share Knowledge and Elevate Your Practice (*P. Gomes*)
- **PS-102**: OSHA Safety—A Win for Everyone! (*J. Dorst*)
- **RE-101**: Stem Cell and Regenerative Medicine Research: Opportunities for Endodontics—The NIDCR Perspective (*N. Lumelsky*)
- **S-100 continued**
- **S-102**: Critical Comparison of Endodontics and Implants: Results of Meta Analysis and Clinical Investigations (*W. Bowles, M. Iqbal*)

## Friday

8 – 9 a.m.

(See page 32 for complete session synopses)

- **SP-200**: One-Visit Endodontics—Is it Reliable Therapy? A Review of Irrigants and Intracanal Medicaments (*B. Basrani*)
- **SP-201**: Incorporating Implants in the Surgical Endodontic Practice: Practice Management Considerations (*G. Guess*)

8 – 9:30 a.m.

(See pages 32-36 for complete session synopses)

- **NS-200**: Interpretation of Data From Cone-Beam CT (*M. Nair*)
- **NS-201**: The Continuous Wave of Obturation Technique (*S. Buchanan*)
- **NS-202**: Healing of Periradicular Lesions (*Z. Metzger*)
- **NS-203**: Periapical Disease and Overall Health: Current Evidence (*D. Caplan*)
- **PM-200**: Competitive-Edge Marketing: What's Your Brand? (*K. Coury*)
- **PS-200**: Reporting Endodontic Procedures Through Dental Codes (*K. McLachlan, W. Powell*)
- **PS-201**: Using Administrative Study Clubs as a Marketing Tool (*M. Otto*)
- **PS-202**: CPR Recertification With the American Heart Association (*B. Campbell*)
- **RE-200**: Regeneration/Revascularization Database Update (*A. Law*)
- **RE-201**: Endodontic Revascularization Technique (*T. Geisler, D. Matscheck*)
- **S-200**: Microsurgery A-Z (*S. Kim, S. Kratchman, F. Maggiore*)
- **SP-202**: Pulp Revascularization—What is the Big Idea? (*F. Teixeira*)

## Friday continued

10 – 11 a.m.

(See page 37 for complete session synopsis)

- **SP-203**: Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale (*M. Fayad*)

10 – 11:30 a.m.

(See pages 37-40 for complete session synopses)

- **NS-200 continued**
  - **NS-204**: Carrier-Based Obturation (*G. Cantatore*)
  - **NS-205**: Why a Surgical Approach for Periradicular Lesions? (*B. Khayat*)
  - **NS-206**: Nomenclature of Pulp and Periapical Diseases (*P. Abbott*)
  - **PM-201**: Professional Liability With Cases (*D. Christopher*)
  - **PM-202**: Marketing Your Endodontic Practice and Dental Implants (*H. Manning-Pineda*)
  - **PS-202 continued**
  - **PS-203**: Dealing With Confrontation in the Office (*L. Davenport, S. Madison, K. Tittle, M. Whitley*)
  - **RE-201 continued**
  - **RE-202**: Stem Cells 101 (*P. Yelick*)
  - **S-200 continued**
  - **SP-204**: State-of-the-Art Analysis of Endodontic Microflora: Does it Provide Valuable Clinical Insights? (*A. Fouad*)
  - **SP-205**: Teaching and Implementing Evidence-Based Endodontics/Dentistry (*M. Hoen*)
- 1:45 – 2:45 p.m.
- (See page 41 for complete session synopses)
- **SP-206**: The Second Mesiobuccal Canal—From Frustration to Fascination (*H. Walsch*)
  - **SP-207**: Endodontic Disinfection: How to Plan the Study in Order to Avoid the Common Problems Regarding the Validity and Reliability of the Results (*M. Haapasalo*)
- 1:45 – 3:15 p.m.
- (See pages 42-46 for complete session synopses)
- **NS-207**: Digital Documentation and Information Management: Creating Effective and Predictable Microimages for Office Documentation and Professional Presentations (*G. Bruder*)
  - **NS-208**: Active Gutta-Percha and Sealer-Based Obturation Techniques (*A. Nasseb*)
  - **NS-209**: Enamel: Origin and Fate (*S. White*)
  - **NS-210**: Endodontic Decision Making: The Current View (*J. Vera Rojas*)
  - **PM-203**: Implant Forum—How to Integrate Implants Into an Endo Practice (*P. Radman, J. Stroumza, J. Tinnin, S. Tsoucaris*)
  - **PS-204**: CSI Endo: Chairside Importance (*D. Francavilla, M. Hiller, D. Welters*)
  - **PS-205**: CPR Recertification With the American Heart Association (*B. Campbell*)
  - **RE-203**: Regeneration of Orofacial Tissues (*J. Mao*)

## Friday continued

1:45 – 3:15 p.m. continued

- ❑ **S-201:** Implants Versus Endodontically Treated Teeth (*C. Driscoll, J. Fiorellini, I. Rotstein, A. Weisgold*)
- ❑ **SP-208:** The Best Kept Secret in Endodontics: “What Every Clinician Should Know” (*J. West*)
- ❑ **SP-209:** The Effect of Endodontic Irrigation Systems on the Disinfection of the Root Canal (*L. van der Sluis*)
- ❑ **SP-210:** ABE Boardwalk (*C. Newton*)

3:30 – 4:30 p.m.

(See pages 47-48 for complete session synopses)

- ❑ **SP-211:** The Hidden Anatomy of the Bifurcated Maxillary Premolar and its Clinical Implications (*A. Tamse*)
- ❑ **SP-212:** Endodontic Treatment Versus Implant Treatment: Establishing the Actual Potential of Each Side (*E. Merino*)
- ❑ **SP-213:** What is my Endodontic Practice Worth and How do I Transition It? (*P. Radman, K. White*)
- ❑ **SP-214:** Pulpal Neuropeptides in Restorative Dentistry: The Good, the Bad and the Ugly (*H. Munoz*)

3:30 – 5 p.m.

(See pages 48-51 for complete session synopses)

- ❑ **NS-207 continued**
- ❑ **NS-211:** Resin Technology and Intraradicular Bonding Techniques (*R. Mounce*)
- ❑ **NS-212:** Dentin: Origin and Fate (*M. Zehnder*)
- ❑ **NS-213:** Endodontic Decision-Making 15 Years From Now (*F. Setzer*)
- ❑ **PM-204:** Implant Marketing (*J. Timmin*)
- ❑ **PS-205 continued**
- ❑ **PS-206:** CSI Endo: Special Services (*D. Francavilla, M. Hiller, D. Welters*)
- ❑ **RE-204:** Dental Tissue-Derived Stem Cells—The Biology and Role in Regenerative Endodontics (*G. Huang*)
- ❑ **S-201 continued**
- ❑ **SP-215:** Resident and New Practitioner Career Fair

## Saturday

9:15 – 10:15 a.m.

(See pages 52-53 for complete session synopses)

- ❑ **SP-300:** Large Lesions: Endodontic or Surgical Treatment? (*C. Ricci*)
- ❑ **SP-301:** The Miracle of MTA (*P. Mancina*)
- ❑ **SP-302:** AAE Public Awareness Campaign: How Your Practice Benefits (*S. Madison*)
- ❑ **SP-303:** Socket Graft or Immediate Implant Placement: The Surgical Techniques an Endodontist Should Know and Master (*Y. Hung*)

## Saturday continued

9:15 – 10:45 a.m.

(See pages 53-56 for complete session synopses)

- ❑ **NS-300:** Building on Sure Foundations? Some Practical Thoughts on MTA (*J. Whitworth*)
- ❑ **NS-301:** The Outer Space of Endodontics: Sport, Forensic Science and More (*A. Sigurdsson*)
- ❑ **NS-302:** Carrier-Based Obturation: Issues of Application and Retreatment (*S. Niemczyk*)
- ❑ **NS-303:** Endodontic Irrigation via Apical Negative Pressure (*J. Schoeffel*)
- ❑ **PM-300:** Employee Liability (*G. Benson*)
- ❑ **PS-300:** What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All (*T. Marshall*)
- ❑ **PS-301:** Creating an Office Image (*Land's End*)
- ❑ **RE-300:** Direct Pulp Capping: Can it be Successful? (*G. Bogen, R. Walton*)
- ❑ **S-300:** When to and When not to—From Fresh Socket Implants to Delayed Implants (*H. Baumgarten, C. Peril, M. Seigmann*)
- ❑ **SP-304:** Success for Mandibular Anesthesia (*A. Reader*)

11 a.m. – noon

(See pages 57-58 for complete session synopses)

- ❑ **SP-305:** Production Pitfalls: Strategies to Effectively Prevent Them! (*J. Eppes, S. Richards*)
- ❑ **SP-306:** Apexification—The Beginning of its End? (*G. Huang*)
- ❑ **SP-307:** Endodontics and Implants: 15 Years of Clinical Perspective, Predictability to Pitfalls (*C. Reader*)

11 a.m. – 12:30 p.m.

(See pages 58-60 for complete session synopses)

- ❑ **NS-302 continued**
- ❑ **NS-304:** MTA: Biomechanisms (*S. Shin*)
- ❑ **NS-305:** Why a Nonsurgical Approach for Periradicular Lesions? (*A. Jaumberzins*)
- ❑ **NS-306:** Ultrasonically Activated Irrigation (*J. Nusstein*)
- ❑ **NS-307:** High-Resolution Cone-Beam Computed Tomography in Endodontic Practice (*D. Game, M. Levin*)

❑ **PM-301:** Finding and Stopping Fraud: Painless as a Root Canal (*T. Coenen*)

❑ **PS-302:** What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All (*T. Marshall*)

❑ **S-300 continued**

## Saturday continued

1:30 – 2:30 p.m.

(See pages 61-62 for complete session synopses)

- ❑ **SP-308:** Good to Great (*J. Small*)
- ❑ **SP-309:** Chairside Manner — How to Gain Your Patients’ Respect, Love and Loyalty (*R. Fleisher*)
- ❑ **SP-310:** A New, Modified Thermoplastic Technique for Adhesive Obturation (*T. Schloss*)
- ❑ **SP-311:** Apexification or Apical Barrier Technique: Which One? (*F. Danesh*)
- ❑ **SP-312:** Local Anesthetic Reversal: It’s About Time (*B. Rutherford*)

1:30 – 3 p.m.

(See pages 62-64 for complete session synopses)

- ❑ **NS-302 continued**
- ❑ **NS-308:** Reasons for Instrument Fracture: Raw Material and Production Process (*G. Gambarini*)
- ❑ **NS-309:** Endodontic Anatomy: Role in Endodontic Outcomes (*S. Nallapati*)
- ❑ **NS-310:** Integrating Plastic Rotary Files Into Your Conventional Endodontic Treatment (*J. Babcall*)
- ❑ **PS-303:** Dietary Supplements and Dentistry: Complimentary or Conflicting? (*K. Baker*)
- ❑ **RE-301:** Endodontic Regeneration: Lessons Learned and Future Directions (*P. Murray*)
- ❑ **S-301:** How to Successfully Incorporate Microsurgery Into Your Practice (*G. Guess, R. Kasem, S. Kratchman*)
- ❑ **S-302:** Updates on Bone-Grafting Procedures: Application to Endo Surgery and the Outcome Assessment of Microsurgery With MTA (*G. Pecora, W. Saunders*)

3:30 – 4:30 p.m.

(See pages 65-66 for complete session synopses)

- ❑ **SP-313:** Outcome of Endodontic Treatment: How Well are we Doing? (*I. Rotstein*)
- ❑ **SP-314:** Separated Instruments: Are They the Nightmare we Believe? Changing the Perspective (*A. Hashem*)
- ❑ **SP-315:** Nonsurgical Endodontic Therapy of Large Cyst-Like Lesions and Apical True Cysts (*L. Lin*)
- ❑ **SP-316:** “Doctor, It Still Hurts!” Resolving Endodontic Anesthesia Problems (*R. Walton*)

3:30 – 5 p.m.

(See pages 66-68 for complete session synopses)

- ❑ **NS-302 continued**
- ❑ **NS-311:** Impact of Low-Cycle Fatigue and Torsional Load (*G. Cheung*)
- ❑ **NS-312:** Novel Strategies in Root Canal Obturation (*A. MacDonald*)
- ❑ **NS-313:** Endodontic Disinfection: Tsunami Irrigation (*C. Ruddle*)
- ❑ **PS-303 continued**
- ❑ **RE-302:** Regenerative Endodontics: Reparative Dentin Formation (*G. Bogen*)
- ❑ **S-303:** Laser and Computed Tomography: Their Role in Microsurgery (*O. Peters, R. Wong*)

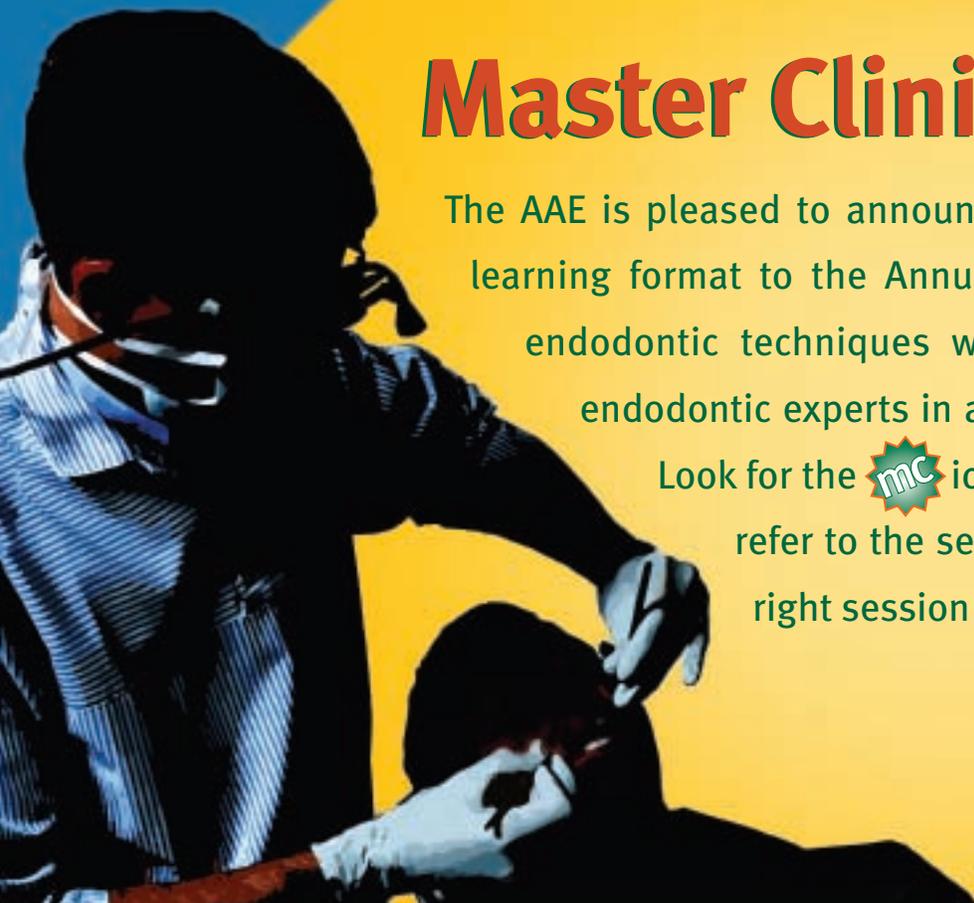
# New!



## Master Clinician Series

The AAE is pleased to announce the introduction of a new learning format to the Annual Session—live, nonsurgical endodontic techniques will be presented by leading endodontic experts in a theater-in-the-round setting.

Look for the  icon throughout the program or refer to the session listing below to find the right session for you!



### Friday, May 1

**8 – 9:30 a.m.**

**NS-201:** The Continuous Wave of Obturation Technique

*L. Stephen Buchanan (p. 33)*

**1:45 – 3:15 p.m.**

**NS-208:** Active Gutta-Percha and Sealer-Based Obturation Techniques

*Ali A. Nasseh (p. 42)*

**10 – 11:30 a.m.**

**NS-204:** Carrier-Based Obturation

*Giuseppe Cantatore (p. 37)*

**3:30 – 5 p.m.**

**NS-211:** Resin Technology and Intraradicular Bonding Techniques

*Richard E. Mounce (p. 48)*

### Saturday, May 2

**9:15 – 10:45 a.m.**

**NS-303:** Endodontic Irrigation via Apical Negative Pressure

*G. John Schoeffel (p. 54)*

**11 a.m. – 12:30 p.m.**

**NS-306:** Ultrasonically Activated Irrigation

*John M. Nusstein (p. 59)*

**1:30 – 3 p.m.**

**NS-310:** Integrating Plastic Rotary Files Into Your Conventional Endodontic Treatment

*James K. Bahcall (p. 63)*

**3:30 – 5 p.m.**

**NS-313:** Endodontic Disinfection: Tsunami Irrigation

*Clifford J. Ruddle (p. 67)*

8 a.m. – 5 p.m. ● ● ● ● ● ● ● ●

S-1

Osceola 2

## Endodontic Microsurgery



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

*Workshop Fee: \$800 early/\$850 standard (includes continental breakfast and lunch)*

This all-day course is designed to provide participants with the opportunity to learn about contemporary microsurgical armamentaria and techniques. After a review of microsurgical armamentaria and a clinical demonstration of a simulated maxillary molar apical microsurgery, participants will assist each other using state-of-the-art typodont models. They will 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 skills in performing apical microsurgery.

wednesday ● ● ● ● ● ● ● ●



Sessions designed for:

- Educators
- Resident and New Practitioners
- Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

10:30 a.m. – 5 p.m. ● ● ● ● ● ●

thursday

S-100

Osceola 2

## Basic Suturing and Soft Tissue Management in Microsurgical Endodontics



Ali Fakhry, D.M.D., M.S.  
Iowa City, Iowa

*Workshop Fee: \$600 early/\$650 standard (includes lunch)*

The first part of this hands-on workshop will demonstrate basic microsurgical knot-tying techniques designed to complement the armamentarium of endodontists interested in refining their surgical skills. Instruction uses powerful graphics and live demonstrations to guide the participants through the technical intricacies of microsuturing. The second part of the workshop will address basic principles of microsurgical soft tissue management. Topics covered include incision design, atraumatic flap manipulation, accurate wound closure and basic soft tissue grafting.

At conclusion, participants should be able to:

- Develop proficiency in basic microsuturing techniques.
- Provide precise flap manipulation, reduce scar formation and optimize esthetic outcomes.
- Perform a minimally invasive, soft tissue grafting procedure.

1:30 – 2:30 p.m. ● ● ● ● ● ●

SP-100

Captiva

## Photodynamic Therapy: An Adjunctive Antimicrobial Endodontic Procedure



Tom C. Pagonis, D.D.S., M.S.  
Chestnut Hill, Mass.

*Moderator: Sondra L. Avant, D.D.S.  
Monterey, Calif.*

This session will review the concept and history of photodynamic therapy in medical practice and its application as an adjunct to nonsurgical endodontic disinfection. Topics to be discussed include the use of photosensitizing agents and specific advances in utilizing

laser diode technology to target intracanal endodontic pathogens. The session will also review current research, future research priorities and conclude with a discussion on possible future utilization of this technique in endodontic nonsurgical treatment and retreatment.

At conclusion, participants should be able to:

- Describe pertinent terminology and describe the general mechanism of photodynamic therapy.
- Review current research and future research priorities of photodynamic therapy in endodontics.
- Discuss the future application of photodynamic therapy as an effective adjunct to endodontic disinfection protocols.

SP-101

Destin

## Enhancing Scientific Evidence With Nondestructive Imaging: A New Generation in Experimental Endodontology



Hagay Shemesh, D.M.D.  
Amsterdam, Netherlands

*Moderator: Robert B. Amato, D.M.D.  
Medford, Mass.*

Endodontic research in the 21<sup>st</sup> century faces new challenges. More reliable information on sealing ability of filling materials, efficiency of irrigation protocols and microbiology of the root canal is needed in order to improve existing procedures and outcomes. Novel imaging methods may provide new opportunities to reliably investigate the outcome and efficiency of endodontic procedures and provide realistic nondestructive data. This lecture will present contemporary imaging techniques and their possible applications in endodontic research.

At conclusion, participants should be able to:

- Describe some of the problems associated with current destructive laboratory procedures in *in vitro* endodontic research.
- Discuss basic principles of Optical Coherence Tomography, Synchrotron micro-CT and ultrasound imaging.
- Identify the limitations of these methods and their possible clinical applications.

1:30 – 3 p.m.

**NS-100**

**Tallahassee**

## **Enterococcus Faecalis in Root Canal Infections: Frequency, Relevance and Clinical Management**



Christine M. Sedgley, B.D.S., M.D.S., M.D.Sc., Ph.D.  
*Ann Arbor, Mich.*

*Moderator: Nadia Chugal, D.D.S., M.S.  
Los Angeles, Calif.*

The species *Enterococcus Faecalis* has received a great amount of attention in endodontic literature. Much has been published about the association between this species and refractory apical periodontitis and it is commonly used to test antimicrobial properties of endodontic materials. However, recent papers have indicated that the role of *E. faecalis* in endodontic pathology may not be clinically significant. This session will evaluate the relevant literature.

At conclusion, participants should be able to:

- Critically evaluate the literature pertaining to the involvement of *E. faecalis* in root canal infections.
- Identify relevant virulence factors associated with *E. faecalis*.
- Identify effective root canal disinfection approaches based on the current, best evidence.

**NS-101**

**Sun Ballroom D**

## **Clinical Data From PAD**



Paul Lambrechts, D.D.S., Ph.D.  
*Leuven, Belgium*

*Moderator: Ove A. Peters, D.M.D., M.S., Ph.D.  
Mill Valley, Calif.*

In a randomized clinical study, the added benefit of Photo-Activated Disinfection (PAD) is studied. Digital radiography, cone-beam CT, microbiological sampling and culturing are used in order to study the effect of the chemomechanical cleaning of the root canal complemented with PAD. The one-visit versus two-visit approach is tested as well. The healing outcome will be discussed in relation to the bacteriological findings.

At conclusion, participants should be able to:

- Describe the principles of Photo-Activated Disinfection.
- Implement Photo-Activated Disinfection in their endodontic treatment.
- Judge the impact of Photo-Activated Disinfection in the outcome of the treatment.

**PM-100**

**Sanibel**

## **Integrating Internet Technology Within the Endodontic Practice**



Jay R. Levine  
*Santa Rosa, Calif.*

*Moderator: Susan L. Wolcott, D.D.S.  
Colorado Springs, Colo.*

This session will familiarize participants with the ability to enhance office productivity by utilizing Internet technology within the office. By pre-educating patients online prior to initial visit and more effectively communicating with colleagues online, treatment planning and case acceptance is facilitated. This session will also discuss techniques utilized to more effectively promote a practice Web site on all major search engines.

At conclusion, participants should be able to:

- Appropriately promote a practice Web site to patients and referring doctors.
- Securely communicate online with patients and referring doctors.
- Describe how search engines find and rank endodontic Web sites.

thursday

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

1:30 – 3 p.m. continued ● ● ● ● ● ●

thursday

PS-100

Tampa

## The Science and Sizzle of Super Speaking



David M. Reznik, D.D.S.  
Newport Coast, Calif.

Moderator: Mary T. Pettiette, D.D.S.  
Pinehurst, N.C.

There are only three speeches—the one we plan to give, the one we give and the one we wish we would have given. This session is designed for those who want to increase their ability to stand and deliver the best speech of their life to any audience, anywhere and at any time – even at the last minute.

At conclusion, participants should be able to:

- Structure a speech that follows a scientific pattern designed to gain maximum audience attention, involvement, satisfaction and action.
- Be ready to deliver a powerful message with confidence and passion by enhancing the use of the body, the voice and the message to create a powerful presentation that lasts beyond the ovation.
- Demonstrate a series of unique platform skills that add sizzle by participating in a series of simple techniques that help underscore specific points, develop emotions, enhance gestures, and improve pace and diction.

PS-101

Miami

## Protect the Lives You Touch—Review of CDC Infection Control Guidelines



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

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

The Centers for Disease Control Infection Control Guidelines for Dentistry are the standard of care for preventing disease transmission during endodontic treatment. Is your practice protocol in compliance with the current CDC guidelines? Learn the latest information on disinfectants, sterilization, standard precautions, instrument sterilization, hand hygiene and dental unit waterlines.

This session will provide you with practical and efficient infection prevention methods for your endodontic team. (Seminar meets state requirements for infection control CE).

At conclusion, participants should be able to:

- Recognize proper use of sterile package indicators and integrators.
- List correct sequence for donning and removing personal protective equipment.
- Describe proper disinfection procedures and use of barriers.

RE-100

Naples

## Regenerative Endodontics—Biology and Clinical Update



Kenneth M. Hargreaves, D.D.S., Ph.D.  
San Antonio, Texas

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

Practitioners across the world are successfully completing endodontic revascularization/regeneration cases. This session will summarize regenerative endodontic case reports and case series, demonstrate how practitioners can submit cases to the AAE Revascularization/Regeneration Database and present the information from the database. Treatment recommendations will be made based upon the findings from the database.

At conclusion, participants should be able to:

- Describe the objective of endodontic revascularization/regeneration.
- Summarize the findings from endodontic regeneration/revascularization case reports and case series.
- Describe clinical variables that are associated with favorable outcomes following endodontic revascularization/regeneration.

S-100 continued

Osceola 2

## Basic Suturing and Soft Tissue Management in Microsurgical Endodontics

Ali Fakhry, D.M.D., M.S.  
Iowa City, Iowa

See page 24 for a complete session synopsis.

3:30 – 4:30 p.m. ● ● ● ● ● ● ●

**S-101** **Sun Ballroom C**

**Guidelines for Nonsurgical and/or Surgical Retreatment**



Bekir Karabucak, D.M.D., M.S.  
Philadelphia, Pa.



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

*Moderator: Michael S. Marmo, D.M.D.  
Newtown, Pa.*

Endodontic surgery has evolved tremendously in the last decade into a microsurgical procedure. The evident superior prognosis of the microsurgical technique, as compared with conventional surgery, makes the treatment planning of a failing initial root canal therapy critical. This presentation will review the relevant literature, which evaluates prognosis of microsurgical retreatment and conventional retreatment. This will make the decision making process a further informed one.

At conclusion, participants should be able to:

- Describe the significant differences between endodontic surgery then and microsurgery now.
- Identify the studies that help in evaluating the prognosis of microsurgery and conventional retreatment.
- Interpret the evidence and, based on the evidence, feel confident in presenting the best treatment option to patients during treatment planning.

**SP-102** **Destin**

**Evidence-Based Investing and the Failure of Conventional Wisdom** 



Pat C. Beaird, CPA, PFS  
Dallas, Texas

*Moderator: Joel B. Slingbaum, D.M.D.  
Hollywood, Fla.*

The progress of science is evident in virtually every aspect of our lives. From the moment we get up in the morning and through every part of our day, the impact of modern science is everywhere. The magnitude of change over the last few decades has been overwhelming in every area except one—the way in which most people make their investment decisions. Learn how science has radically altered conventional wisdom with respect to investing!

At conclusion, participants should be able to:

- Discuss the current body of evidence that points to a specific style of investing that has by far the highest probability of success.
- Evaluate the performance of your investment portfolio or your investment advisors.
- Describe the true drivers of investment return over time.

● ● ● ● ● ● ●  
**thursday**

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Sessions designed for:

 Educators  Resident and New Practitioners  Endodontic Team

 Workshop  Master Clinician Series

 Not Accepted by the Dental Board of California

3:30 – 5 p.m.

thursday

**NS-102**

**Tallahassee**

## Current Research in Photosensitizers: New Solutions for a Persistent Problem



Anil Kishen, B.D.S., M.D.S., Ph.D.  
Singapore, Singapore

*Moderator: Sergio Kuttler, D.D.S.  
Davie, Fla.*

Disinfection has been a challenging task in endodontics. This is because of the complexities in the root canal anatomy and the ability of microbes to grow as coaggregates and surface-adherent biofilm structures. Application of strong antimicrobials and aggressive instrumentation may compromise the mechanical integrity of the tooth, and lead to the formation of resistant microbial strains. This lecture will present current developments in photosensitizers to improve the efficacy of light-activated disinfection in root canal disinfection.

At conclusion, participants should be able to:

- Describe how light-activated disinfection works.
- Name the factors that limit complete disinfection of the root canal system.
- Identify concerns of using light-activated disinfection for root canal disinfection.

**NS-103**

**Sun Ballroom D**

## Endodontic Microbiology: What is Important for the Daily Practice?



Kishor Gulabivala, B.D.S., M.Sc., Ph.D.  
London, England, United Kingdom

*Moderator: Alan H. Gluskin, D.D.S.  
San Francisco, Calif.*

Apical periodontitis is microbially driven, but its treatment is technically driven; in contemporary practice the mental coupling between the two elements is minimal. Even abscesses are managed by physical surgical drainage and debridement rather than chemotherapeutic intervention. This presentation will aim to take the audience on a journey of exploration of the relationship between endodontic infection and the technical aspects of its

treatment. It will speculate on the form of future biologically driven procedures.

At conclusion, participants should be able to:

- Describe the nature of microbial infection inside teeth associated with apical periodontitis.
- Describe the nature of interaction between technical aspects of root canal treatment procedures and the microbial infection.
- Describe the microbial and clinical factors influencing long-term clinical success.

**NS-104**

**Captiva**

## Boning Up on Osteoporosis: Medical and Dental Considerations



Barbara J. Steinberg, D.D.S.  
Margate, N.J.

*Moderator: Garrett M. Guess, D.D.S.  
San Diego, Calif.*

The most current information regarding osteoporosis risk factors, modalities for prevention and treatment, as well as the impact on the oral cavity, will be presented. Osteonecrosis of the jawbones resulting from intravenous and oral administration of bisphosphonates will also be discussed.

At conclusion, participants should be able to:

- Describe what is required to maintain optimal bone health over the course of a lifetime.
- Describe risk factors for osteoporosis and current treatment regimens.
- Describe osteonecrosis of the jawbones resulting from the administration of bisphosphonates.

## PM-101

Tampa

### Real Associateships in the Real World



David M. Reznik, D.D.S.  
Newport Coast, Calif.

Moderator: Jordan L. Schweitzer, D.D.S., M.S.  
Dallas, Texas

This session is designed to help the endodontic resident with the process of finding and successfully securing an associate position with a solo or group practice.

At conclusion, participants should be able to:

- List the differences, benefits and deficiencies of the various types of endodontic associateships available through solo, group and multi-disciplinary practices.
- Explain the provisions of a sample written agreement, including employment versus independent contractor status, compensation formulas, restrictions, buy-sell provisions and performance expectations.
- Describe the responsibilities of both the practice and the associate that define a success strategy for the patients treated, the team that helps make it possible, the referring dentists and the dental profession.

## PM-102

Sarasota

### Online Referral Collaboration and Web Site Development



Jay R. Levine  
Santa Rosa, Calif.

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

This workshop will familiarize participants with the ability to create a Web site utilizing a practice marketing design system. We will also demonstrate how to effectively communicate and collaborate online with referring dentists through an online collaborator program.

At conclusion, participants should be able to:

- Describe how online referral collaboration works.
- Describe the difference between custom and semi-custom endodontic Web sites.
- Implement a semi-custom endodontic Web site.

thursday

## Energize Yourself at the AAE Boot Camp!

All Fitness Levels Welcome!



Mike Smaltz, a Platoon Fitness instructor from Philadelphia, Pa., will be conducting the Dr. Louis E. Rossman Boot Camp on the following days and times:

Location: Convention Center Porte Cochere, Exhibit Level

#### Thursday

6 – 7 a.m.      5:30 – 6:30 p.m.  
11 a.m. – noon

#### Friday

6 – 7 a.m.      5:30 – 6:30 p.m.

#### Saturday

6 – 7 a.m.      12:30 – 1:30 p.m.

Mike has had a passion for training people starting before he completed a 6-year tour in the U.S. Navy where he was Physical Readiness Training coordinator for Central Command. For more than 10 years, Mike has worked with Platoon Fitness serving over 10,000 hours of its group fitness experience.

### Get Your Fitness Prescription

If you don't have the opportunity to participate in the fitness sessions, Mike will be available in Room Sun 6 throughout the meeting for individual consultations that will give you a customized workout and nutrition program to use at home!



Sessions designed for:

 Educators  Resident and New Practitioners  Endodontic Team

 Workshop  Master Clinician Series

 Not Accepted by the Dental Board of California

# educational sessions

3:30 – 5 p.m. continued ● ● ● ● ● ●

thursday

**PM-103**

**Sanibel**

## Using Social Media to Share Knowledge and Elevate Your Practice



Phil Gomes  
Lodi, Calif.

*Moderator: James F. Wolcott, D.D.S.  
Colorado Springs, Colo.*

Social media participation is seductively easy to learn, but takes quite a bit of time and effort to master. In a world where patients self-diagnose and bad advice is uncritically placed on the Web without context, the challenges facing any health practitioner are considerable. However, using these online social tools, the endodontic profession can become a much stronger force in professional discussions and patient outreach.

At conclusion, participants should be able to:

- Leverage a working knowledge of basic online community principles.
- Discuss many popular social media tools.
- Interact and effectively share knowledge with endodontists around the globe.

**PS-102**

**Miami**

## OSHA Safety—A Win for Everyone!



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

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

As endodontic professionals, you strive to provide quality care for every patient. Ensuring patient comfort and well-being is part of your ongoing commitment to practice excellence. It's just as important for the endodontic team to have a safe and healthy environment in which to work. This session motivates the entire team to WIN the safety game for everyone!

At conclusion, participants should be able to:

- Identify three hazard labels.
- Describe the infection risk after an exposure incident.
- Identify appropriate personal protective equipment for the type of potential exposure.

e n e r g i z e ● ●

## RE-101

## Naples

### Stem Cell and Regenerative Medicine Research: Opportunities for Endodontics—The NIDCR Perspective



Nadya Lumelsky, Ph.D.  
Bethesda, Md.

*Moderator: Kimberly A.D. Lindquist, D.D.S.  
Duluth, Minn.*

Recent basic science advances offer exciting opportunities for the dental practice. Translation of this new knowledge into the clinical environment will require a collaborative effort among dentists, biologists, engineers and material scientists. This session will describe the mechanisms used by the National Institute of Dental and Craniofacial Research to foster this multi-disciplinary effort, and will highlight the areas of particular interest to the endodontic community. Lastly, a vision of the future within the context of the overall mission of NIDCR will be discussed.

At conclusion, participants should be able to:

- Provide specific examples of recent advances in stem cell biology and regenerative medicine that have the potential to impact endodontics of the future.
- Describe current areas of emphasis of the NIDCR program in stem cell biology and regenerative medicine, and identify programmatic tools used by NIDCR to drive the field forward.
- Describe future areas of emphasis of NIDCR in the field of stem cell biology and regenerative medicine.

## S-102

## Sun Ballroom C

### Critical Comparison of Endodontics and Implants: Results of Meta Analysis and Clinical Investigations



Walter R. Bowles, D.D.S., M.S.  
Minneapolis, Minn.



Mian K. Iqbal, D.M.D., B.D.S., M.S.  
Philadelphia, Pa.

*Moderator: Karl Keiser, D.D.S., M.S.  
New Braunfels, Texas*

Over the past 20 years, the use and indications for implants have greatly expanded. The comparison between implants and root canal-treated teeth is currently a subject causing a great deal of controversy and debate, which has the potential to supersede quality of patient care issues. The focus of this presentation is to take a scientific analytic approach to separate fact from fiction and provide the best research evidence that is relevant for clinical practice.

At conclusion, participants should be able to:

- Describe research evidence related to clinical practice that compares root canal-treated teeth and implants.
- Describe why in comparing root canal-treated teeth with implants, the success/survival criteria is skewed towards implants.
- Describe the decision-making process in choosing between implants versus surgical or nonsurgical root canal treatment.

## S-100 continued

## Osceola 2

### Basic Suturing and Soft Tissue Management in Microsurgical Endodontics

Ali Fakhry, D.M.D., M.S.  
Iowa City, Iowa

See page 24 for a complete session synopsis.

# educational sessions

8 – 9 a.m.

SP-200

Captiva

## One-Visit Endodontics—Is it Reliable Therapy? A Review of Irrigants and Intracanal Medicaments



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

Moderator: Anne E. Williamson, D.D.S., M.S.  
Iowa City, Iowa

This presentation will discuss the current available evidence comparing one- versus multiple-visit root canal treatments. There will be a focus on an update of irrigants and intracanal medications.

At conclusion, participants should be able to:

- Describe the current available evidence supporting one- versus multiple-visit root canal treatments.
- Describe the new methods for cleaning and shaping the root canal system.
- Describe the new trends on delivery of irrigants and medications.

SP-201

Destin

## Incorporating Implants in the Surgical Endodontic Practice: Practice Management Considerations



Garrett M. Guess, D.D.S.  
San Diego, Calif.

Moderator: Tevyah J. Dines, D.M.D., M.M.Sc.  
Wellesley, Mass.

When endodontic treatment is no longer a viable treatment option, surgical implant placement provides the patient with a functional alternative. The incorporation of implants in the endodontic practice involves issues and situations that can be a departure from the standard practice of endodontics. This presentation will discuss the endodontic practice management considerations involved with delivering this new service to patients and referrals.

At conclusion, participants should be able to:

- Determine how implants can fit into the practice of endodontics and the issues involved with marketing and delivering the new service to your referrals.
- Identify the differences in managing patients for implant surgery and the effect on the treatment schedule of a private endodontic practice.
- Evaluate the issues surrounding the physical practice requirements of incorporating this new procedure.

8 – 9:30 a.m.

NS-200

Sarasota

## Interpretation of Data From Cone-Beam CT



Madhu K. Nair, D.M.D., M.S., Ph.D.  
Gainesville, Fla.

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

This workshop will introduce you to the terminology, principles of imaging, advantages and limitations of cone-beam volumetric computed tomography. Applications, as well as recognition of anatomic landmarks, variations, pathology that are seen in such studies will also be reviewed. An overview of image processing techniques, reconstruction modes, hands-on use of acquisition and client software, and different image acquisition protocols will be covered. The legal implications will be briefly discussed as well.

At conclusion, participants should be able to:

- Describe commonly used terms in CT imaging.
- List the principles of CT imaging and advantages of CT as compared with medical CT.
- Recognize important anatomic landmarks, variations, most commonly seen pathology and recognize limitations of the technique.

## NS-201

## Sun Ballroom B

### The Continuous Wave of Obturation Technique



L. Stephen Buchanan, D.D.S.  
Santa Barbara, Calif.

*Moderator: David E. Witherspoon, B.D.S., M.S.  
Plano, Texas*

Since its introduction in 1986, the continuous wave method of warm-centered condensation has become very popular with endodontists as it simplified and improved 3-D filling. This presentation will show, in a live demonstration format, recent developments in instruments, materials and techniques.

At conclusion, participants should be able to:

- Describe the different CW instruments, their strengths, weaknesses and use.
- Describe the technique differences between gutta-percha and synthetic polymers in the CW technique.
- Describe the various backfilling methods including the single-cone technique.

## NS-202

## Sun Ballroom C

### Healing of Periradicular Lesions



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

*Moderator: Kevin M. Keating, D.D.S., M.S.  
Sacramento, Calif.*

Healing of periradicular lesions after root canal treatment is significantly slower than healing of similar size lesions after apical surgery. The clinical healing rate and healing kinetics of these lesions will be discussed together with the biological processes that generate the lesions and those that delay their healing. A new concept, based on enucleation of the lesion through a root canal access, will be presented with results of a recent clinical study demonstrating its safety and efficacy.

At conclusion, participants should be able to:

- Describe the cellular interactions that occur in periradicular lesions that lead, as a side effect, to bone resorption and formation of a radiolucent periradicular lesion.
- Describe the healing process that occurs in periradicular lesions following a successful root canal treatment.
- Describe potential and existing ways to enhance the healing kinetics of periapical lesions following the completion of root canal treatment.

## NS-203

## Sun Ballroom D

### Periapical Disease and Overall Health: Current Evidence



Daniel J. Caplan, D.D.S., Ph.D.  
Iowa City, Iowa

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

Numerous articles in scientific literature have discussed potential connections between chronic periodontal inflammation and the development of adverse systemic health conditions. To date, the role of endodontic inflammation in the development of such outcomes has not been thoroughly explored, thus patients and practitioners lack potentially important knowledge about the general health risks associated with apical periodontitis. This session will review some of the relevant scientific evidence in this area.

At conclusion, participants should be able to:

- Describe the history of scientific inquiry into the relationship between oral and systemic diseases.
- Evaluate the current evidence regarding the systemic effects of localized endodontic inflammation.
- List some of the ways that epidemiologic evaluation of endodontic inflammation differs from that of periodontal inflammation.

# educational sessions

8 – 9:30 a.m. continued ● ● ● ● ●

PM-200

Sanibel

## Competitive-Edge Marketing: What's Your Brand?



Kirk A. Coury, D.D.S., M.S.  
Amarillo, Texas

Moderator: Joseph H. Schulz, D.D.S.  
Oakland, Calif.

Competition in endodontics is at an all-time high. This presentation will discuss the importance of developing a sound marketing plan that involves internal and external marketing, and the value of creating a brand that will help identify and set you apart from the crowd. Special emphasis will be placed on the importance of implementation, timing and consistency for optimum results.

At conclusion, participants should be able to:

- Compare and contrast internal and external marketing, advertising and branding, and have an in-depth understanding of the importance of each.
- Create a tiered marketing strategy to better target the endodontist's audiences, namely the referral dentists and the patient.
- Discuss the importance of branding and the value of differentiating yourself from other endodontists in your area.

PS-200

Tampa

## Reporting Endodontic Procedures Through Dental Codes



Kimberly A. McLachlan, D.M.D., M.S.Ed., M.B.A.  
Escondido, Calif.



William D. Powell, D.D.S., M.S.  
Knoxville, Tenn.

The road to a harmonious relationship with dental insurance carriers is paved with knowledge of how to report the endodontic procedures performed for patients accurately. This session will use the AAE *Endodontists' Guide to CDT/2007-2008*. A presentation from the AAE Dental

Benefits Committee chair and a dental code expert will provide information and answer questions to make code easier to understand and report.

At conclusion, participants should be able to:

- Discuss the codes and how to apply them to insurance claims.
- Describe how new codes are developed.
- Describe certain scenarios relating to endodontic coding.

PS-201

Miami

## Using Administrative Study Clubs as a Marketing Tool



Melinda S. Otto  
Mankato, Minn.

Moderator: Mark A. Odom, D.D.S.  
Cary, N.C.

In any economy, endodontic practices should be thinking "outside the box" in terms of marketing and promotion. A key promoter of the practice is the Practice Administrator. This interactive presentation will explore the use of administrative study clubs as a tool to market your practice. Be known as a key resource for leadership and information in the dental community! Strengthen relationships with professional peers in referring offices using leadership, continuing education and peer networking. Let's explore how to put study clubs to work for you in your dental community.

At conclusion, participants should be able to:

- Describe the steps to take in starting an administrative study club in their dental community.
- Discuss how administrative study clubs can be a powerful marketing tool in the endodontic practice.
- Formulate a list of potential discussion topics as well as potential guest speakers.

## PS-202

## Osceola 1

### CPR Recertification With the American Heart Association



Bill Campbell, Lieutenant/EMT  
Saint Cloud, Fla.

Workshop Fee: \$50 early/\$75 standard

This course is designed to teach the skills of CPR for victims of all ages, use of an automated external defibrillator and relief of choking. It is intended for participants who provide health care to patients in a wide variety of settings.

At conclusion, participants should be able to:

- Describe the latest updates to the 2005 American Heart Association guidelines for cardiopulmonary resuscitation and emergency cardiovascular care.
- Complete a written evaluation.
- Complete skills in all areas of CPR, including rescue breathing, chest compressions, choking, a bag value mask and the use of an automated external defibrillator.

## RE-200

## Naples

### Regeneration/Revascularization Database Update



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

Moderator: Peter E. Murray, B.D.Sc., Ph.D.  
Davie, Fla.

In 2008, the AAE established the Regeneration/Revascularization Database. The data gathered via the database will help to establish best practices for treatment of and future research on the incompletely developed tooth with a necrotic pulp. This presentation will present information from the database and discuss the implications for future research and clinical practice.

At conclusion, participants should be able to:

- Enter a case into the AAE Regeneration/Revascularization Database.
- Describe indications and contraindications for revascularization.
- Describe a technique for revascularization of a necrotic pulp space.

## RE-201

## Osceola 2

### Endodontic Revascularization Technique



Todd M. Geisler, D.D.S.  
Edina, Minn.



Donna J. Mattscheck, D.M.D.  
Billings, Mont.

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

This workshop will familiarize participants with the objectives and application of clinical revascularization/regenerative endodontic techniques. Specifically, this hands-on course will focus attention on human autologous fibrin matrices, such as platelet-rich plasma (PRP), previously suggested for use as a regenerative scaffold material. Participants will learn basic venipuncture techniques, prepare PRP and place PRP in a simulated root canal system.

At conclusion, participants should be able to:

- Define autologous fibrin matrices and describe their potential benefits in regenerative endodontic procedures.
- Discuss basic venipuncture and blood collection techniques/armamentarium.
- Prepare and deliver PRP into a simulated root canal system.

# educational sessions

8 – 9:30 a.m. continued ● ● ● ● ●

S-200

Sun Ballroom A

## Microsurgery A-Z



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: Hank Schiffman, D.D.S.  
New York, N.Y.*

Modern endodontic practice must provide both nonsurgical and surgical treatment options. It has been our observation that there are too many nonsurgical retreatments of cases that should have been treated microsurgically. To clarify why certain cases will never heal, we will demonstrate the reasons for the nonsurgical failures and the basics of endodontic microsurgery.

Contemporary endodontic microsurgery is fundamentally different from historical apical surgery in terms of instruments, materials, biological principles and, most importantly, the success rate. In this presentation we will illustrate eight basic steps in microsurgery using digital pictures, video clips and slides, so that the participants will have a clear understanding of surgical procedures and principles.

At conclusion, participants should be able to:

- Describe the differences between traditional apical surgery and modern microsurgery.
- List the biological reasons why mineral trioxide aggregate is a superior root-end filling material.
- Name the limitations of the microsurgical approach.

SP-202

Tallahassee

## Pulp Revascularization—What is the Big Idea?



Fabricio B. Teixeira, D.D.S., M.Sc., Ph.D.  
San Antonio, Texas

*Moderator: Robert J. Loushine, D.D.S.  
Martinez, Ga.*

Teeth with incomplete root development and chronic apical periodontitis can represent a major challenge to clinical practitioners. Generally these teeth have thin root canal walls and open apices, which require different technical approaches. Lately, new treatment modalities have been advocated as better alternatives to conventional long-term, calcium-hydroxide apexification therapies. This presentation intends to describe and discuss new treatment options, as well as clinical and scientific outcomes that may be pointing in new directions.

At conclusion, participants should be able to:

- Describe important clinical findings to be considered during case selection.
- List current challenges to be clinically overcome on this specific clinical situation.
- Assess the potential for improvement on available techniques and future approaches.



friday

10 – 11 a.m.

SP-203

Destin

## Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale



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

Moderator: Tevyah J. Dines, D.M.D., M.M.Sc.  
Wellesley, Mass.

Dentists often face the challenges to choose between nonsurgical/surgical retreatment or extraction and implant placement. This video-animated presentation will demonstrate how advancements in 3-D imaging, microbiology, instruments, materials and growth factors in bone-grafting material have changed our philosophy in approaching and treating endodontic post-treatment disease. The clinical case-based portion of the presentation will focus on the step-by-step techniques utilized to guide each case to successful completion.

At conclusion, participants should be able to:

- Identify the microbial etiology of post-treatment disease.
- Utilize the new technology available (3-D imaging, dental operating microscope, ultrasonics and different bone-grafting material) to improve on the diagnosis and prognosis of cases with post-treatment disease.
- Establish the correct strategy to achieve a good prognosis well before the beginning of the treatment (nonsurgical, surgical or single-tooth implant).

10 – 11:30 a.m.

NS-200 continued

Sarasota

## Interpretation of Data From Cone-Beam CT



Madhu K. Nair, D.M.D., M.S., Ph.D.  
Gainesville, Fla.

See page 32 for a complete session synopsis.

NS-204

Sun Ballroom B

## Carrier-Based Obturation



Giuseppe Cantatore  
Rome, Italy

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

A simple learning curve, short working times, high capability of filling lateral canals and excellent radiopacity are among the most popular features of carrier-based obturation techniques. Long-term outcomes after carrier-based obturations are strictly related with the correct choice of the obturator, root-canal length and diameter, apical foramen size and amount and viscosity of sealer. Consequently, adequate case selection and the correct operating sequence are essential requisites to optimize the results and outcomes after a carrier-based obturation.

At conclusion, participants should be able to:

- Assess clinical indications and limits of carrier-based techniques in comparison with other obturation techniques.
- Optimize the sequence of use of carrier-based obturators to increase the hermeticity of the root canal filling.
- List and evaluate factors that may affect outcomes after obturation with carrier-based techniques.

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

10 – 11:30 a.m. continued

NS-205

Sun Ballroom C

## Why a Surgical Approach for Periradicular Lesions?



Bertrand G. Khayat, D.D.S., M.S.D.  
Paris, France

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

The development of new ultrasonic tips and the routing use of the operating microscope have radically changed our surgical approach. It is now possible to prepare the canal in the long axis of the root and to obturate most of the root canal system as in conventional endodontics. The presentation will focus on these new developments and will demonstrate that endodontic surgery is a viable and predictable option that should be offered to our patients.

At conclusion, participants should be able to:

- Describe the most recent techniques in endodontic surgery.
- Select the proper indications for endodontic surgery.
- Evaluate the tremendous potential of endodontic surgery in the preservation of teeth.

NS-206

Sun Ballroom D

## Nomenclature of Pulp and Periapical Diseases



Paul V. Abbott, M.D.S.  
Nedlands, Australia

Moderator: Kenneth N. Namerow, D.D.S.  
Davie, Fla.

There is much confusion amongst authors and clinicians regarding terminology used to designate the various forms of pulpal and periapical diseases. Unfortunately, many of the terms used are misleading and not representative of the diseases or the state of the tissues being diagnosed. This confusion in terminology leads to confusion in treatment and makes communication and teaching difficult. This lecture will explore the various terms and make suggestions for a standardized approach to diagnostic terminology.

At conclusion, participants should be able to:

- Describe the disease processes involved in pulpal and periapical diseases.
- Apply meaningful terms to the various pulpal and periapical disease states.
- Avoid the use of "popular" but inappropriate terminology in endodontics.

PM-201

Sanibel

## Professional Liability With Cases



Daniel R. Christopher, J.D., M.B.A.  
Denver, Colo.

Moderator: Jane Peck, M.B.A.  
Colorado Springs, Colo.

This presentation will take the practitioners through the anatomy of a malpractice suit through verdict. Topics to be discussed include: standard of care, informed consent, informed refusal, dental implants as a treatment option for the endodontic practice, proper referral and co-management of implant patients and state dental board issues.

At conclusion, participants should be able to:

- Discuss basic legal concepts applicable to their practice and license.
- Apply this knowledge to their current practices.
- Make necessary changes in their practices to reduce the risk of malpractice claims.

friday



## PM-202

Miami

### Marketing Your Endodontic Practice and Dental Implants



Heidi K. Manning-Pineda  
Santa Rosa, Calif.

Moderator: James F. Wolcott, D.D.S.  
Colorado Springs, Colo.

It is increasingly important to adopt competitive strategies that place your practice in a position of leadership. Your marketplace has changed and will continue to evolve. This course is designed to help you maintain, secure and build your endodontic and dental implant practice through marketing to your referral doctors and community.

At conclusion, participants should be able to:

- Describe how "graphic identity" communicates the uniqueness and expertise of the practice.
- Describe multiple methods of marketing to referral doctors as well as the community served by the practice.
- Assess current practice and procedure marketing, create a marketing plan and execute the plan with specific goals including methods of tracking and measuring return on investment.

## PS-202 continued

Osceola 1

### CPR Recertification With the American Heart Association



Bill Campbell, Lieutenant/EMT  
Saint Cloud, Fla.

See page 35 for a complete session synopsis.

## PS-203

Tampa

### Dealing With Confrontation in the Office



Lynda L. Davenport  
Nashville, Tenn.



Sandra Madison, D.D.S., M.S.  
Asheville, N.C.



Kenneth W. Tittle, D.D.S., M.S.  
Pleasant Hill, Calif.



Michele M. Whitley  
Peabody, Mass.

Moderator: Peter A. Morgan, D.M.D.  
Peabody, Mass.

This panel of experts boasts a significant amount of practice management experience and will share their thoughts, vignettes and the situations they have faced over the years. Each panel member is from a different geographic and practice environment, thus providing learning experiences that should apply to your own situation. This session will answer your questions and assist you/your office in dealing with conflict in the best manner possible.

At conclusion, participants should be able to:

- Deal with any potential conflict with confidence.
- Utilize their personal skills and language to handle stressful staff, patients or referring doctor situations.
- Identify areas of potential conflict and develop proactive systems and strategies to reduce conflict in the office.

# educational sessions

10 – 11:30 a.m. continued ● ● ● ● ●

## RE-201 continued

## Osceola 2

### Endodontic Revascularization Technique

Todd M. Geisler, D.D.S.  
*Edina, Minn.*

Donna J. Mattscheck, D.M.D.  
*Billings, Mont.*

See page 35 for a complete session synopsis.

## RE-202

## Naples

### Stem Cells 101



Pamela C. Yelick, Ph.D.  
*Boston, Mass.*

*Moderator: Scott L. Doyle, D.D.S.  
Eden Prairie, Minn.*

This session will describe recent characterizations of embryonic and adult stem cells, and how they can be used in dental and craniofacial regeneration therapies.

At conclusion, participants should be able to:

- Define embryonic stem cells.
- Define adult stem cells.
- Describe how tissue engineering methods can be used to regenerate craniofacial skeletal and dental tissues.

## S-200 continued

## Sun Ballroom A

### Microsurgery A-Z

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: Hank Schiffman, D.D.S.  
New York, N.Y.*

See page 36 for a complete session synopsis.

## SP-204

## Tallahassee

### State-of-the-Art Analysis of Endodontic Microflora: Does it Provide Valuable Clinical Insights?



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

*Moderator: Robert J. Loushine, D.D.S.  
Martinez, Ga.*

Endodontic pathosis is fundamentally a microbial disease. Therefore, the study of endodontic microbiology is critical for effective management of endodontic patients. Molecular micro- biological techniques allow a much higher level of sensitivity and specificity in identifying microorganisms than has ever been possible. This session will discuss how the microflora in the root canals of primary and persistent infections changes with various treatment procedures, and how residual microorganisms may affect endodontic treatment outcome.

At conclusion, participants should be able to:

- Discuss the complexity and diversity of endodontic bacteria as shown by contemporary microbiological techniques.
- Describe the differences in microflora among different clinical parameters, such as pain and persistent disease.
- Discuss the persistence of root canal flora following different clinical procedures and the association of residual bacteria with treatment outcomes.

## SP-205

## Captiva

### Educator Forum: Teaching and Implementing Evidence-Based Endodontics/Dentistry



Michael M. Hoen, D.D.S.  
*West Bloomfield, Mich.*

*Moderator: John P. Braud Jr., D.D.S.  
Northville, Mich.*

This lecture will include specifics of locating and utilizing relevant electronic endodontic evidence in both the classroom and clinic. Online databases, search engines, discussion forums, Webinars, podcasts, videos, continuing education and global Web sites will be discussed. A method

of complying with the Commission on Dental Accreditation requirements will also be presented.

*The American Dental Education Association business meeting will occur during the first 15 minutes of the presentation.*

At conclusion, participants should be able to:

- Describe how to access online endodontic evidence.
- Describe how to include endodontic electronic evidence into clinical and didactic educational situations.
- Recognize a method of compliance with the CODA evidence-based accreditation requirements.

**1:45 p.m. – 2:45 p.m.**

## SP-206

Captiva

### The Second Mesio Buccal Canal—From Frustration to Fascination



Helmut Walsch, D.D.S., M.S.  
Munich, Germany

*Moderator: Timothy A. Grubb, D.D.S.  
Conyers, Ga.*

The second mesio buccal canal of the maxillary molar is often a diagnostic and therapeutic challenge. “Was there no MBII or did I just not find it?” or “now that I instrumented both MBI and MBII, why didn’t that lesion heal?” is what we sometimes ask ourselves. This presentation, using both literature and clinical cases, aims to provide a deeper understanding of the complex mesio buccal anatomy, to reveal its tricky secrets and thereby successfully manage it.

At conclusion, participants should be able to:

- Describe why published data about the incidence of MBII vary greatly.
- Identify anatomical variations and methods for reading and revealing all mesio buccal canals including isthmuses.
- Implement into daily practice strategies for successful cleaning and shaping of the entire MB canal system.

## SP-207

Destin

### Endodontic Disinfection: How to Plan the Study in Order to Avoid the Common Problems Regarding the Validity and Reliability of the Results



Markus Haapasalo, D.D.S., Ph.D.  
Vancouver, British Columbia, Canada

*Moderator: Laurie L. Southard, M.S., D.D.S.  
Tulsa, Okla.*

Disinfection is one of the major research areas in endodontics. This session will provide attendees with an analysis of the common problems in experimental studies on endodontic disinfectants that reduce the value of the results of these studies. Special focus will be placed on the reasons for false negative and false positive results, confounding factors, and how to deal with carry-over. Design of positive and negative controls is discussed.

At conclusion, participants should be able to:

- Describe the possibilities and limitations of experimental *in vitro* and *in vivo* studies on endodontic disinfecting agents.
- Identify the reasons for false-positive and false-negative results.
- Explain the importance of control experiments and the principles of design for positive and negative controls.

friday

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

1:45 – 3:15 p.m.

NS-207

Osceola 2

## Digital Documentation and Information Management: Creating Effective and Predictable Microimages for Office Documentation and Professional Presentations



George A. Bruder III, D.M.D.  
Stony Brook, N.Y.

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

This hands-on workshop will demonstrate everything from getting ready to take photos to storing, organizing, managing and editing your images. Demonstrations will show many of today's magnification and illumination options that continue to change our documentation/visualization capabilities.

At conclusion, participants should be able to:

- List the benefits of different documentation techniques.
- Develop enhanced referral case reports utilizing the newest technologies.
- Document and edit both video and still images for presentations.

*Please Note: Participants will be provided microscopes and are encouraged to bring their own cameras and t-mounts to enhance this workshop's focus.*

NS-208

Sun Ballroom B

## Active Gutta-Percha and Sealer-Based Obturation Techniques



Ali A. Nasseh, D.D.S., M.M.Sc.  
Boston, Mass.

*Moderator: Robert S. Roda, D.D.S., M.S.  
Scottsdale, Ariz.*

The role of efficiency in endodontic care and the use of sealer-based techniques to achieve this efficiency will be discussed and demonstrated.

At conclusion, participants should be able to:

- Describe sealer-based obturation techniques.
- Describe the difference between efficient versus fast care.
- Apply the discussed efficiency principles immediately in clinical practice for improved case outcome.

friday

e n g a g e

## NS-209

## Sun Ballroom C

### Enamel: Origin and Fate



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

*Moderator: Kenneth C. Trabert, D.D.S.  
Santa Monica, Calif.*

Enamel is the most remarkable of all body tissues, but almost entirely formed of weak hydroxyapatite crystallites, yet resists masticatory wear, impact and parafunction for a lifetime or millenia. Ameloblast genes express proteins that assemble into a temporary organized matrix scaffolding to define biomineralization, but only after communication with the pulpal odontoblasts. Enamel failure by carious dissolution is the primary cause of pulpal disease and the driver of endodontic treatment. Is engineered enamel the future?

At conclusion, participants should be able to:

- Describe the formation of enamel from genes to mechanical function.
- Describe the acidogenic carious process of enamel hard-tissue infections.
- Describe the future challenges of enamel engineering.

## NS-210

## Sun Ballroom D

### Endodontic Decision Making: The Current View



Jorge A. Vera Rojas, D.D.S.  
Puebla, Mexico

*Moderator: Kevin M. Keating, D.D.S., M.S.  
Sacramento, Calif.*

Technical difficulties encountered when treating an endodontically treated tooth with persistent disease makes the understanding of irrigant hydrodynamics and the potential for disinfecting solutions to achieve intracanal bacterial reduction extremely important to increase the potential for healing. Videos of hard-cleared teeth will be presented to highlight the techniques presented in the clinical cases, as well as some research studies on irrigant hydrodynamics and root canal disinfection.

At conclusion, participants should be able to:

- Compare the prognosis of the endodontically/periodontically treated tooth to that of single-tooth implant.
- Describe the hydrodynamics involved inside the root canal during irrigation to increase its intracanal action.
- Apply a strategy for treatment of teeth with large periradicular radiolucencies, as well as those compromised by prior endodontic treatment with post-treatment disease.

friday



Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

1:45 – 3:15 p.m. continued ● ● ● ● ●

**PM-203**

**Tampa**

## Implant Forum—How to Integrate Implants Into an Endo Practice



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



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



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



Stephen J. Tsoucaris, D.M.D.  
*Fort Lee, N.J.*

*Moderator: James F. Wolcott, D.D.S.  
Colorado Springs, Colo.*

This panel of endodontic practitioners who currently also place implants will discuss the variables involved in successfully incorporating implants into your endodontic practice. They will cover a variety of topics, such as choosing an implant system, marketing implants to your referring doctors, staff acceptance, inventory control and many other challenges involved in incorporating implants into an endodontic practice. This panel discussion will offer ideas for the attendee to consider along with an opportunity to obtain feedback from the speakers.

At conclusion, participants should be able to:

- Differentiate between marketing implants versus endodontics to referring doctors.
- Develop strategies that can be utilized when discussing the addition of implants to their practice with referring doctors.
- Describe additional staffing/inventory logistics the transition to implants will create.

**PS-204**

**Miami**

## CSI Endo: Chairside Importance



Deborah A. Francavilla  
*Peabody, Mass.*



Michelle K. Hiller  
*Mankato, Minn.*



Deb L. Welters, R.D.A.  
*Saint Paul, Minn.*

*Moderator: Terry A. Propper, D.D.S., M.S.  
Brentwood, Tenn.*

The focus of this session will be on the organization of the clinical team. Panelists represent offices with single and multiple locations, solo and group practices. They have varying ideas on the division of duties, scheduling, staff meetings and staff training. Time will be allotted for questions and audience input.

At conclusion, participants should be able to:

- Network ideas with staff members having different philosophies on the best use of the clinical staff.
- Implement new ideas on how clinical staff can better support the practice.
- Describe options for equipping the clinical staff for top-quality patient care.

**PS-205**

**Osceola 1**

## CPR Recertification Workshop With the American Heart Association



Bill Campbell, Lieutenant/EMT  
*Saint Cloud, Fla.*

*Workshop Fee: \$50 early/\$75 standard*

This is a repeated session, see page 35 for a complete session synopsis.

## RE-203

## Naples

### Regeneration of Orofacial Tissues



Jeremy J. Mao, D.D.S., Ph.D.  
New York, N.Y.

*Moderator: Cameron M. Howard, D.M.D.  
Delray Beach, Fla.*

Dental medicine is being transformed from repair to regeneration. It seems a foregone conclusion to use stem cells to regenerate dental and craniofacial tissues including dental pulp, but where do we harvest dental pulp stem cells from a root canal patient whose dentition is otherwise healthy? This lecture will present several cell homing strategies for dental/craniofacial regeneration including dental pulp without cell transplantation.

At conclusion, participants should be able to:

- Discuss strategies for dental pulp regeneration: cell transplantation versus cell homing.
- Discuss the potential of dental stem cells.
- Describe tissue engineering principles as applied to dental/craniofacial regeneration.

## S-201

## Sun Ballroom A

### Implants Versus Endodontically Treated Teeth



Carl F. Driscoll, D.M.D.  
Baltimore, Md.



Joseph P. Fiorellini, D.M.D., D.M.Sc.  
Philadelphia, Pa.



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



Arnold S. Weisgold, D.D.S.  
University Park, Fla.

*Moderator: Noah Chivian, D.D.S.  
West Orange, N.J.*

This presentation will deal with the unique features that impact the esthetic and gingival management of the anterior implant restoration. In many respects, the periodontal biotype is as much a factor in a successful outcome.

At conclusion, participants should be able to:

- Describe the differences between the thin/scalloped and thick/flat periodontal biotypes.
- Describe the essential components that support and maintain the interproximal soft tissue papillae.
- Describe the sequelae of extraction of a maxillary central incisor (especially in the interproximal areas) in a thin/scalloped periodontal biotype.



Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

1:45 – 3:15 p.m. continued ● ● ● ● ●

SP-208

Sun 1

## The Best Kept Secret in Endodontics: “What Every Clinician Should Know”



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

*Moderator: Robert E. Averbach, D.D.S.  
Aurora, Colo.*

In this session, you will learn three essential skills that can be immediately applied to make a measurable difference to you. This program will teach you to bring intention into reality.

At conclusion, participants should be able to:

- Produce desired and consistent technical outcomes.
- Manage energy to increase efficiency.
- Strengthen the relationship between the endodontics you do and the fun you have doing it.

SP-209

Tallahassee

## The Effect of Endodontic Irrigation Systems on the Disinfection of the Root Canal



Lucas W.M. van der Sluis, D.D.S., Ph.D.  
Amsterdam, Netherlands

*Moderator: Mark A. Odom, D.D.S.  
Cary, N.C.*

Disinfection is an important aspect of the root canal treatment and, because of the complex anatomy of the root canal system, “active” irrigation is indispensable. The irrigation system determines the intensity of the irrigant flow, and consequently, the spread of irrigant within the root canal system. This lecture will give an overview of the available endodontic irrigation systems and explain their working mechanisms and their influence on the disinfection of the root canal system.

At conclusion, participants should be able to:

- Describe the different endodontic irrigation systems.
- Explain the effect of the endodontic irrigation systems on disinfection of the root canal.
- List the main problems of the disinfection of the root canal.

SP-210

Sarasota

## ABE Boardwalk



Carl W. Newton, D.D.S., M.S.D.  
Avon, Ind.

The Directors of the American Board of Endodontics will discuss the importance and value of Board Certification to the specialty and the process required for Diplomate status. The Written Examination, Case History Portfolio and Oral Examination will each be discussed and suggestions provided for preparation and successful completion. The program is intended to provide interested individuals with the opportunity to interact with the Directors and to address any concerns about the Certification Process.

At conclusion, participants should be able to:

- Describe the importance and value of Board Certification to the specialty of endodontics.
- Identify ways to obtain guidance during the Certification Process through use of ABE resources including the ABE Web site and procedural instructions.
- Describe the certification requirements, including applications, examinations and policies.

### Additional Presenters—American Board of Endodontics Board of Directors:

Linda G. Levin, D.D.S., Ph.D., Secretary

Ashraf Fouad, B.D.S., D.D.S., M.S., Treasurer

Stephen J. Clark, D.M.D.

John F. Hatton, D.M.D.

Michael M. Hoen, D.D.S.

Alan S. Law, D.D.S., Ph.D.

Al Reader, D.D.S., M.S.

Patrick E. Taylor, D.D.S.

3:30 – 4:30 p.m. ● ● ● ● ● ● ● ●

**SP-211**

**Tallahassee**

## The Hidden Anatomy of the Bifurcated Maxillary Premolar and its Clinical Implications



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

*Moderator: Mark A. Odom, D.D.S.  
Cary, N.C.*

Maxillary premolars are teeth most susceptible to fracture. In the bifurcated ones, the root walls are thin, rapidly tapering towards the apex with proximal invaginations. Studies are showing that the buccal root is not round in cross-section, but has a furcation groove (depression) on its bifurcation aspect, and the original dentin thickness is less than 1 mm in certain locations. The unfavorable anatomy, additional radicular dentin removal and post placement are etiological factors to vertical root fractures.

At conclusion, participants should be able to:

- Describe the typical anatomic features of the bifurcated maxillary premolars.
- Describe and identify the furcation groove of the buccal root.
- Apply the information to the practice of intraradicular procedures.

**SP-212**

**Sarasota**

## Endodontic Treatment Versus Implant Treatment: Establishing the Actual Potential of Each Side



Enrique M. Merino, D.D.S., M.D.  
Leon, Spain

*Moderator: Steven J. Card, D.D.S., M.S.  
Raleigh, N.C.*

Defining the actual potential of endodontic treatment—retreatment, microsurgery and root replantation, is crucial to deciding correctly in the controversial endo-implant debate, in terms of which cases are going to be restored and which ones will be extracted. Tooth extraction due to endodontic failure results in different bone defect topography profiles that pose difficulties on posterior

immediate implant therapy. An in-depth knowledge of the different treatment options, available graft materials, macroscopic and microscopic design of new implants, guided bone regeneration techniques and clinical experience are crucial in order to decide in which particular cases a delayed or immediate implant should be used in order to guarantee that the final result will be predictability and consistently successful, in spite of having begun with different initial clinical scenarios.

At conclusion, participants should be able to:

- Describe the actual potential of endodontic therapy—retreatment, microsurgery and root replantation.
- Decide in relation with the different bone type defects encountered after the tooth extraction, which is the correct graft material and surgical placement protocol in order to achieve predictably successful implant therapy.
- Describe key techniques for optimal esthetic implant therapy at the bone, soft tissue and prosthetic levels.

**SP-213**

**Captiva**

## What is my Endodontic Practice Worth and How do I Transition It?



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



Keith D. White, CPA  
Dallas, Texas

*Moderator: Timothy A. Grubb, D.D.S.  
Conyers, Ga.*

This session will help both the seller and buyer understand the issues involved in determining what value you might expect to pay to purchase or receive upon the sale of an endodontic practice. Once you have a buyer, what are your duties to successfully transition it to the younger doctor? The tax issues of buying and selling will be discussed.

At conclusion, participants should be able to:

- List the variables in practice valuation.
- Discuss what an endodontic practice is worth and why.
- Successfully transition a practice.

friday ● ● ● ● ●

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

3:30 – 4:30 p.m. continued ● ● ● ● ●

**SP-214**

**Destin**

## **Pulpal Neuropeptides in Restorative Dentistry: The Good, the Bad and the Ugly**



Hugo Roberto Munoz, D.D.S., M.A.  
*Guatemala City, Guatemala*

*Moderator: Laurie L. Southard, M.S., D.D.S.  
Tulsa, Okla.*

Mechanisms of pulpal pathophysiology are complex and include actions of multiple neuropeptides. The low-compliance environment in which the dental pulp is allocated enhances the complexity of its pathophysiology, explaining the unique responses of pulp tissue to pathologies like caries and to additional injuries provoked by common restorative procedures, such as mechanical and chemical irritation from cavity preparation, dental materials and tooth bleaching that could lead to neurogenic inflammation and consequently, pulp necrosis and periapical disease.

At conclusion, participants should be able to:

- Describe the good biological functions of neuropeptides, including their participation in repairing processes by inducing dentin formation and modulating the action of some immune cells.
- Analyze neurogenic inflammation of the pulp as a potential bad consequence of neuropeptide release after restorative procedures.
- Discuss the ugly face of neuropeptides as they could play an important role in post-restorative sensitivity, by stimulating nerve sprouting and sensitization, and in some cases, generating local and/or central allodynia.

3:30 – 5 p.m. ● ● ● ● ● ● ● ● ● ●

**NS-207 continued**

**Osceola 2**

## **Digital Documentation and Information Management: Creating Effective and Predictable Microimages for Office Documentation and Professional Presentations**



George A. Bruder III, D.M.D.  
*Stony Brook, N.Y.*

See page 42 for a complete session synopsis.

**NS-211**

**Sun Ballroom B**

## **Resin Technology and Intraradicular Bonding Techniques**



Richard E. Mounce, D.D.S.  
*Vancouver, Wash.*

*Moderator: Robert S. Roda, D.D.S., M.S.  
Scottsdale, Ariz.*

A comprehensive literature review will be presented on the concept of bonded obturation. Papers supporting the concept and those opposing the use of bonded obturation materials will be discussed. Conclusions will be drawn from the endodontic literature and clinical recommendations will be made. A demonstration of bonded obturation materials with both a warm vertical technique and obturator-based method will be performed.

At conclusion, participants should be able to:

- Describe the chemistry and mechanism of bonding in obturation.
- Describe the clinical application of bonded obturation techniques, be it in master cone-based form or bonded obturators.
- Describe the differences between bonded obturation and gutta-percha theory and techniques.

## NS-212

## Sun Ballroom C

### Dentin: Origin and Fate



Matthias Zehnder, P.D., Dr.Med.Dent., Ph.D.  
Zürich, Switzerland

Moderator: Thomas A. Levy, D.D.S., M.S.  
Aliso Viejo, Calif.

In this session, structural aspects of root dentin relevant to the endodontist are discussed, with a brief reference to dentin development. A root canal infection based on this information will be reassessed. A focus will be the impact of chemomechanical canal preparation on dentin structure and physical parameters. As a consequence, recommendations for root canal irrigation and medication will be provided.

At conclusion, participants should be able to:

- Describe the structural elements of dentin relevant to endodontics.
- Assess the influence of sclerotic dentin on a root canal infection.
- Differentiate the effects of sodium hypochlorite and chelator solutions on dentin properties.

## NS-213

## Sun Ballroom D

### Endodontic Decision-Making 15 Years From Now



Frank C. Setzer, D.M.D., M.S.  
Philadelphia, Pa.

Moderator: Helmut Walsch, D.D.S., M.S.  
Munich, Germany

This session attempts to project upcoming changes in endodontic treatment planning. An increasingly aging population with more medically complex histories will present us with more challenges. Although implants will be a standard treatment modality, these patients will require even more retreatments and complex primary endodontic procedures. New techniques will be added to our repertoire, including pulp tissue regeneration, the stimulation of hard tissue formation or dental implants with periodontal ligament-like structures.

At conclusion, participants should be able to:

- Describe the necessity to include regenerative techniques into the decision-making process.
- Describe the impact of upcoming demographic changes on endodontics.
- Discuss the importance of being part of the treatment planning process together with general practitioners and other specialists.

## PM-204

## Tampa

### Implant Marketing



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

Moderator: James F. Wolcott, D.D.S.  
Colorado Springs, Colo.

This course should assist the endodontist in understanding the issues involved in educating oneself and in marketing implant services to your referral base and patients.

At conclusion, participants should be able to:

- Discuss the dental implant market in the United States today.
- Make decisions about case difficulty assessment.
- Recognize the actions necessary to successfully market and incorporate implants into an endodontic practice.

## PS-205 continued

## Osceola 1

### CPR Recertification With the American Heart Association

Bill Campbell, Lieutenant/EMT  
Saint Cloud, Fla.

See page 35 for a complete session synopsis.

# educational sessions

3:30 – 5 p.m. continued ● ● ● ● ● ●

PS-206

Miami

## CSI Endo: Special Services



Deborah A. Francavilla  
*Peabody, Mass.*



Michelle K. Hiller  
*Mankato, Minn.*



Deb L. Welters, R.D.A.  
*Saint Paul, Minn.*

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

This session will focus on the actions and communications relayed to the patient prior to the endodontist's involvement. We will discuss the steps taken to create a great customer experience for the patient; how clinical staff are a part of the marketing effort; can streamline the procedure; and be indispensable to an endodontist.

At conclusion, participants should be able to:

- Develop criteria for consistency in the treatment room.
- Create "WOW" customer service.
- Describe ways staff can enhance the marketing efforts of the practice.

RE-204

Naples

## Dental Tissue-Derived Stem Cells—The Biology and Role in Regenerative Endodontics



George T.J. Huang, D.D.S., M.S.D., D.Sc.  
*Baltimore, Md.*

*Moderator: Micah L. Porter, D.D.S.  
Forney, Texas*

To date, five different dental stem/progenitor cells have been discovered from dental pulp, apical papilla, periodontal ligament and dental follicle. These stem cells are isolated from the dental tissues which we deal with in practice on a daily basis. Cell-based therapy is an inevitable therapeutic mode for future medicine. This presentation will bring awareness to clinicians and educators that an in-depth knowledge of these stem/progenitor cells is essential for the practice of future endodontics.

At conclusion, participants should be able to:

- Describe the types of dental stem cells.
- Describe the biology and characteristics of dental stem cells.
- Discuss the clinical applications of dental stem cells.

friday



## S-201 continued

## Sun Ballroom A

### Implants Versus Endodontically Treated Teeth

Carl F. Driscoll, D.M.D.  
*Baltimore, Md.*

Joseph P. Fiorellini, D.M.D., D.M.Sc.  
*Philadelphia, Pa.*

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

Arnold S. Weisgold, D.D.S.  
*University Park, Fla.*

*Moderator: Noah Chivian, D.D.S.  
West Orange, N.J.*

See page 45 for a complete session synopsis.

## SP-215

## Sanibel

### Resident and New Practitioner Career Fair



If you are an endodontist seeking an associate, or a resident/new practitioner looking for a job, this is the place to be. The Resident and New Practitioner Committee invites current residents, new endodontists (practicing five years or less) and employers to mingle and meet. This is a chance to visit one-on-one and learn about the variety of employment opportunities that the speciality offers. Representatives from different practice environments, as well as academia, research and service branches will be on hand to discuss their needs for employees. Participants are encouraged to bring copies of their CVs and contact information.

At conclusion, participants should be able to:

- Describe their employment goals more clearly.
- Make contacts that may help to secure future employment.
- List the larger spectrum of practice/employment opportunities.

#### The Career Fair is planned by the Resident and New Practitioner Committee:

Judy D. McIntyre, D.M.D., M.S., Chair

April L. Alford, D.D.S.

Drew R. Brueckner, D.M.D.

Brian P. Chuang, D.M.D.

David T. Holden, D.M.D.

Kimberly A.D. Lindquist, D.D.S.

David C. Funderburk, D.D.S., M.S., Board Liaison

Please Note: The Resident Reception will take place immediately following this session on the Piazza.



friday

#### Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

# educational sessions

9:15 – 10:15 a.m. ● ● ● ● ● ● ● ●

**SP-300**

**Sun 1**

## Large Lesions: Endodontic or Surgical Treatment?



Catherine R. Ricci, D.D.S.  
Nice, France

*Moderator: Gayle Obermayr, D.D.S., M.S.  
Sebring, Fla.*

Whatever the size of a lesion, root canal disinfection most often allows healing with complete tissue regeneration, but a lesion of more than 2 cm<sup>2</sup> is stressful and surgical treatment is sometimes necessary. In such cases, the exact volume of the lesion and its relation to the environmental structures must be evaluated. A CT scan will allow a safer approach to the surgical area. During surgery, bone-grafting materials or membranes could be necessary.

At conclusion, participants should be able to:

- Make an accurate diagnosis to decide what kind of treatment is best.
- Accomplish long-term healing of large lesions.
- Choose the material to provide the best bone reconstruction during surgery.

**SP-301**

**Sun 3**

## The Miracle of MTA



Paul R. Mancina, D.D.S.  
Harveys Lake, Pa.

*Moderator: Marc E. Levitan, D.D.S.  
Mount Pleasant, S.C.*

Endodontists have utilized calcium hydroxide as an interim medication when teeth have been avulsed or there is evidence of internal, external or cervical resorption. Most of these teeth are prematurely lost creating a nightmare for individuals too young for implants. This lecture will consider an alternative treatment, namely a mixture of MTA. Over a 10-year period the author has utilized MTA to prevent, delay or arrest resorption with remarkable success, even in teeth that have been out of the socket for extended periods of time.

At conclusion, participants should be able to:

- Describe the advantage of MTA in arresting, delaying or stopping resorption.
- Describe how to place the material.
- Describe other problem cases corrected with MTA.

**SP-302**

**Captiva**

## AAE Public Awareness Campaign: How Your Practice Benefits



Sandra Madison, D.D.S., M.S.  
Asheville, N.C.

*Moderator: James A. Abbott, D.D.S., M.S.  
Santa Rosa, Calif.*

The AAE officially launched its public awareness campaign, *Endodontists: the root canal specialists*, in February 2005. Since that time, it has reached more than 300 million consumers nationwide with messages that convey the benefits of visiting an endodontist and dispel common myths about root canal treatment. This interactive session will provide a comprehensive overview of the AAE public relations strategy for each campaign audience (consumers, general dentists, dental educators and students); highlight activities that have yielded positive results nationwide; and present grass-roots outreach opportunities that endodontists can incorporate into their everyday practice.

At conclusion, participants should be able to:

- Describe the Association's accomplishments in conducting public awareness campaign outreach to-date.
- Describe the relationship between local practice promotion activities and national promotion of the specialty.
- Identify practice promotion resources provided by the AAE, including campaign logos, customizable advertisements, prewritten newspaper articles and others, and apply them to effectively increase awareness of the private practice on a local level.

**Endodontists**  
the root canal specialists

## SP-303

## Destin

### Socket Graft or Immediate Implant Placement: The Surgical Techniques an Endodontist Should Know and Master



Yuan-Lung Hung, D.M.D.  
Chino, Calif.

*Moderator: Cindy R. Rauschenberger, D.D.S., M.S.  
Elgin, Ill.*

In many instances, endodontists are facing failing teeth that need to be extracted and prepared for future treatments. However, the surgical techniques for preparing the future implant sites or placing an implant immediately are critical and technique sensitive. In this lecture, a detailed discussion about the techniques and principles of the socket graft and immediate implant placement will take place.

At conclusion, participants should be able to:

- Make the decision between the socket graft and immediate implant placement after tooth extraction.
- Describe the principles of different grafting techniques.
- Describe the criteria and techniques for immediate implant placement.

9:15 – 10:45 a.m.

## NS-300

## Tallahassee

### Building on Sure Foundations? Some Practical Thoughts on MTA



John M. Whitworth, Ph.D., B.Ch.D.  
Newcastle, England, United Kingdom

*Moderator: Stephen B. Davis, D.D.S.  
Long Beach, Calif.*

MTA has taken endodontics by storm, transforming our practice and prognostication in applications as diverse as pulp-capping and apexification. Questions remain on the best use of this costly material and its sometimes difficult manipulation. This session will provide clinically relevant

information on the chemistry and physical properties of commercially available MTAs and review the range of clinical applications for which we have evidence. Opportunities will be provided to share insights, clinical tips and opinions.

At conclusion, participants should be able to:

- Describe important features of MTA that help it to perform well in the clinical setting.
- List the range of clinical applications in which the use of MTA has some body of evidence.
- Assess some of the questions that remain to be answered and some of the product developments that we as end users would find useful.

## NS-301

## Miami

### The Outer Space of Endodontics: Sport, Forensic Science and More



Asgeir Sigurdsson, D.D.S., M.S.  
Reykjavik, Iceland

*Moderator: Karl Keiser, D.D.S., M.S.  
New Braunfels, Texas*

Doing root canal therapies day in and day out can be mind numbing. To prevent an early burnout, it can be helpful to engage in "fringe" activities within the field of dentistry. This lecture will give an insight into two different, yet very rewarding, activities that endodontists are well qualified to participate in: sports and forensic dentistry.

At conclusion, participants should be able to:

- Describe the work and responsibilities of a sports dentist.
- Describe the basic principles of forensic dentistry and how a dentist can be a vital part of the identification of human remains.
- List sources of further information and training in the fields of sports and forensic dentistry.

• • • saturday • • •

# educational sessions

9:15 – 10:45 a.m. continued ● ● ● ●

NS-302

Osceola 2

## Carrier-Based Obturation: Issues of Application and Retreatment



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

*Workshop Fee: \$800 early/\$850 standard (includes lunch)*

This lecture and workshop combination will afford the participant an opportunity to explore the myths and realities concerning carrier-based obturation. Misuse of the material has created unfavorable treatment outcomes and difficult retreatment scenarios. Using an evidence-based platform, the lecture portion of the workshop will present the appropriate protocols for placement and retreatment. In the workshop portion, the participants will receive hands-on training in the handling, placement and retrieval of CBOs in extracted teeth.

At conclusion, participants should be able to:

- Describe the correct protocols for CBO as related to instrumentation, selection and placement.
- Describe the indications and contraindications for CBO use, and technique variations to adapt to unusual clinical anatomy.
- Describe the theory and techniques for retreatment, including retrieval assessment and selection, armamentarium and troubleshooting.

NS-303

Sun Ballroom B

## Endodontic Irrigation via Apical Negative Pressure



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

*Moderator: Markus Haapasalo, D.D.S., Ph.D.  
Vancouver, British Columbia, Canada*

Immediately after the concept of apical negative pressure in irrigation was introduced two years ago, numerous research teams throughout the world began to scrutinize its safety and efficacy. Up-to-the-minute results of these studies will be laconically summarized in a manner that will enable the audience to rapidly understand the fluid dynamics of this

technology. These studies will come to life via several live demonstrations. The program will conclude with a clinical step-by-step demonstration.

At conclusion, participants should be able to:

- Describe the fluid dynamics of inter- and intracanal canal irrigation.
- Discuss the studies that validate endodontic irrigation via apical negative pressure.
- Incorporate apical negative pressure into everyday endodontic therapy.

PM-300

Sanibel

## Employee Liability



Gary J. Benson, J.D.  
Highlands Ranch, Colo.

*Moderator: Susan L. Wolcott, D.D.S.  
Colorado Springs, Colo.*

The objective of this course is to provide helpful advice to employers on how to best avoid costly mistakes in the hiring/firing and discipline of their employees. Topics will include: what kind of job protection do your employees actually have; how to hire, fire and discipline; effective use of an employee handbook; 10 easy steps to an effective termination; and why does it feel as if the “at-will” employment doctrine is a mirage?

At conclusion, participants should be able to:

- Effectively handle the discipline or termination of a difficult employee.
- Review their employee handbook and determine whether it needs to be revised.
- Hire the right employee.

**PS-300**

**Tampa**

## What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All



Teresa A. Marshall  
Iowa City, Iowa

*Moderator: Michael S. Austin, M.B.A.  
Tucson, Ariz.*

The latest dietary guidelines will be presented and direction will be given on use of the MyPyramid for both personal use and professional counseling. This session will also review hot-off-the-press nutrition claims and briefly review strategies for evaluating the validity of such claims. Presentation and critique of topics receiving significant press, including meth mouth, sweeteners role in oral and systemic health, the gluten-free diet, the raw food diet and others will be included.

At conclusion, participants should be able to:

- Discuss the United States Department of Agriculture dietary guidelines and both plan and evaluate a diet using MyPyramid.
- List and apply criteria for evaluating the logic of dietary claims.
- Describe the science supporting multiple topics discussed in the media.

**PS-301**

**Sarasota**

## Creating an Office Image



Representatives From Lands' End Business Outfitters  
Dodgeville, Wis.

*Moderator: Lynda L. Davenport  
Nashville, Tenn.*

Creating an office and brand image involves many facets of a practice. Lands' End will present ideas on how to use apparel to create an office image and promote the practice brand. Discussion will start with where to begin in creating the image through selection of styles and colors. Once the image is selected, methods of promoting and marketing the practice will be discussed. Common mistakes when outfitting the team will be discussed and methods presented to avoid them. The session will conclude with tips to achieve and master success when using apparel to create and enhance the office image.

At conclusion, participants should be able to:

- Describe how to create an office image using apparel.
- Advance the practice brand through marketing, referral programs and employee gifts.
- Identify common mistakes when outfitting the team so they can achieve success.

• • • saturday • • •

e n e r g i z e

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

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9:15 – 10:45 a.m. continued ● ● ● ●

RE-300

Sun Ballroom D

## Direct Pulp Capping: Can it be Successful?



George Bogen, D.D.S.  
*Los Angeles, Calif.*



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

*Moderator: Graham R. Holland, B.D.S., Ph.D.  
Ann Arbor, Mich.*

Vital pulp therapy is an overlooked objective in endodontics. Critical to success is the status of the pulp prior to treatment. Considerations are new treatment modalities and materials that affect outcomes in pulp capping and pulpotomy. Topics will include historical perspectives, diagnosis and case selection, caries removal, hemorrhage control and techniques for the placement of mineral trioxide aggregate, the new benchmark material. Also discussed will be histological conditions of the pulp and differences between accidental versus carious exposures. Interwoven will be literature and long-term observation of selected cases.

At conclusion, participants should be able to:

- Describe the histologic status of the pulp with different stages of caries depth and how this impacts the outcome.
- Describe and apply new treatment modalities in pulpal vitality assessment, caries removal, hemorrhage control, and predictable MTA and sealed restoration placement.
- Compare the currently available pulp capping materials and treatment protocols, and apply this knowledge to enhance favorable outcomes in patients when the pulpal diagnosis is no more severe than reversible pulpitis.

S-300

Sun Ballroom C

## When to and When not to—From Fresh Socket Implants to Delayed Implants



Harold S. Baumgarten, D.M.D.  
*Philadelphia, Pa.*



Christof Pertl, D.M.D., M.D.  
*Graz, Austria*



Marius Steigmann, D.D.S.  
*Neckargemünd, Germany*

*Moderator: Garrett M. Guess, D.D.S.  
San Diego, Calif.*

Immediate placement, bone augmentation and soft tissue regeneration represent useful concepts to optimize the functional and aesthetic outcome of implant rehabilitation. Strict indications and protocols are together with sufficient knowledge and clinical skills the key factors for long-term success and minimal complications. This presentation will discuss and outline factors that influence the decision-making process. Clinical cases will be discussed in order to give examples of different individual options in therapy.

At conclusion, participants should be able to:

- Discuss why implant survival in cases of immediate loaded placement are dependent on primary stability and lack of micromotion in the osseointegration period.
- Describe how the most important clinically augmentative procedures in implant surgery are socket preservation, guided bone regeneration, block augmentation and sinus graft.
- Assess the experience in controlling clinical bone density for immediate implant placement.

11 a.m. – noon

SP-304

Naples

## Success for Mandibular Anesthesia



Al Reader, D.D.S., M.S.  
Columbus, Ohio

*Moderator: Cheryl S. Budd, D.M.D., M.S.  
Lexington Park, Md.*

All endodontists start treatment with the intention of having profound anesthesia, however, many patients experience pain during treatment. This session focuses on the successful management of endodontic pain using local anesthesia. Three important areas that will be examined are: why anesthesia fails in mandibular teeth; the latest information on articaine and its use as a supplemental injection for mandibular molars; and how to integrate routine anesthesia with leading-edge intraosseous technologies. The end objective is to consistently achieve profound anesthesia for your patients.

At conclusion, participants should be able to:

- Define why anesthesia fails so often in the mandible.
- Identify the latest information on articaine.
- Develop specific procedures, using intraosseous technologies, for insuring profound anesthesia for patients presenting with irreversible pulpitis.

SP-305

Sarasota

## Production Pitfalls: Strategies to Effectively Prevent Them!



Joy R. Eppes  
Tallahassee, Fla.



Stephanie S. Richards  
Tallahassee, Fla.

*Moderator: Martha E. Proctor, D.D.S., M.S.  
Chicago, Ill.*

Many endodontists spend an excess of time, energy and money marketing their practices to increase production, only to have production slip out the back door! Endodontic teams are often too busy and therefore unable to take the time to determine why this is happening. It is imperative to identify common production pitfalls, their frequency and the financial impact on the practice. This presentation will show you the five most common production pitfalls and will provide working solutions to effectively prevent them.

At conclusion, participants should be able to:

- Identify production pitfalls in their practices.
- Discuss strategies to prevent production loss.
- Implement the course information to increase profitability.

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saturday

e d u c a t e • • •

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop Master Clinician Series

Not Accepted by the Dental Board of California

11 a.m. – noon continued ● ● ● ● ●

SP-306

Naples

## Apexification—The Beginning of its End?



George T.J. Huang, D.D.S., M.S.D., D.Sc.  
Baltimore, Md.

Moderator: Cheryl S. Budd, D.M.D., M.S.  
Lexington Park, Md.

An alternative treatment to apexification has been recently proposed by authors supported by clinical observations. A paradigm shift to this different approach that is conducive to tissue repair and regeneration is being advocated. Additionally, the active progress in dentin/pulp regeneration research may lead to a future endodontic practice of regenerating pulp/dentin tissues instead of replacing them with artificial materials. Therefore, it is anticipated that apexification may no longer be needed as a clinical treatment modality.

At conclusion, participants should be able to:

- Describe apexification and the alternative treatment.
- Discuss the current progress in pulp/dentin regeneration.
- Discuss the potential benefits of replacing apexification with the new approaches.

SP-307

Destin

## Endodontics and Implants: 15 Years of Clinical Perspective, Predictability to Pitfalls



Chad M. Reader, D.D.S.  
Lakewood, Colo.

Moderator: Cindy R. Rauschenberger, D.D.S., M.S.  
Elgin, Ill.

Implant reconstruction has provided dentists with an alternative to fixed or removable prosthesis for patient rehabilitation where tooth preservation is unsuccessful. Endodontists are frequently the deciding clinician for determining the viability of saving a tooth. If you are considering incorporating implants into your practice, proper case selection and treatment planning will help you to obtain a successful outcome and avoid complications.

At conclusion, participants should be able to:

- Describe clinical perimeters necessary to increase implant success.
- Describe clinical perimeters that compromise implant success.
- Develop simple treatment plans for implant reconstruction.

11 a.m. – 12:30 p.m. ● ● ● ● ●

NS-302 continued

Osceola 2

## Carrier-Based Obturation: Issues of Application and Retreatment



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

See page 54 for a complete session synopsis.

NS-304

Tallahassee

## MTA: Biomechanisms



Su-Jung Shin, D.D.S., M.S.  
Seoul, South Korea

Moderator: Kenneth W. Tittle, D.D.S., M.S.  
Pleasant Hill, Calif.

MTA has broadened clinical applications for the past several years. In clinical procedures, MTA has direct contact with periapical, pulpal or periodontal tissues, therefore, MTA biocompatibility is one of the most important factors. Also, MTA is known to have the capacity to promote hard tissue formation. This presentation will review and discuss current studies about MTA biologic effects at cellular level.

At conclusion, participants should be able to:

- Describe why it is important to obtain scientific knowledge about MTA biomechanisms.
- Discuss the biologic effects of MTA on various cell types in the cellular and molecular levels.
- Identify ways of developing and improving future biomaterials.

## NS-305

Miami

### Why a Nonsurgical Approach to Periradicular Lesions?



Andris Jaunberzins, D.D.S., M.S.  
Wauwatosa, Wis.

Moderator: Lawrence M. Le Vine, D.D.S.  
San Rafael, Calif.

Depending on the preoperative diagnosis, it appears that at least five to 15 percent of primary endodontic treatments do fail. If symptoms persist or a new restoration is planned, treatment of those treatments is required. There are two principal avenues to approach persistent periapical pathosis: nonsurgical and surgical. This presentation will illustrate the nonsurgical approach for the treatment of persistent periradicular lesions with clinical cases and help clinicians base their treatment decisions on currently published evidence.

At conclusion, participants should be able to:

- Differentiate the microbiological basis for failing root canal treatments.
- Describe the sealing ability of current root-end filling materials.
- Base their treatment decisions on pertinent literature.

## NS-306

Sun Ballroom B

### Ultrasonically Activated Irrigation



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

Moderator: Markus Haapasalo, D.D.S., Ph.D.  
Vancouver, British Columbia, Canada

Canal debridement is a cornerstone to endodontic therapy. Hand/rotary instrumentation with conventional irrigation can shape and prepare canals for filling, but has been shown to leave debris behind in canals and isthmuses. This presentation will discuss the use of ultrasonic irrigation, following cleaning and shaping, to improve debridement of the root canal complex. Research results of this new concept

will be presented including removal of vital and necrotic tissues, biofilm, bacterial decontamination and safety.

At conclusion, participants should be able to:

- Describe the mechanism of ultrasonic irrigation canal debridement.
- Describe the procedure/technique for ultrasonic irrigation.
- Describe the benefit of ultrasonic irrigation on canal/isthmus cleanliness.

## NS-307

Sun Ballroom D

### High-Resolution Cone-Beam Computed Tomography in Endodontic Practice



David Gane, D.D.S.  
Atlanta, Ga.



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

Moderator: Robert J. Seltzer, D.M.D.  
Davie, Fla.

Endodontic therapy depends on diagnostic radiographs and image-guided treatment. Periapical and panoramic radiography have been augmented by the recent introduction of high-resolution cone-beam computed tomography, allowing three-dimensional assessment of odontogenic and nonodontogenic lesions, canal morphology, root and alveolar fractures, resorptive lesions and anatomy prior to surgery. This lecture will highlight the advantages of CBCT imaging in light of recent research demonstrating a significant increase in lesion visualization when compared to periapical radiographs.

At conclusion, participants should be able to:

- Describe the principles of CBCT imaging.
- Discuss the value of volumetric analysis of endodontic and nonendodontic pathosis.
- Describe how CBCT can be incorporated into modern endodontic practices.

• • • saturday • • •

Sessions designed for:

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Workshop Master Clinician Series

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# educational sessions

11 a.m. – 12:30 p.m. continued ● ● ●

**PM-301**

**Sanibel**

## Finding and Stopping Fraud: Painless as a Root Canal



Tracy Coenen, CPA, M.B.A., CFE  
Milwaukee, Wis.

*Moderator: Jane Peck, M.B.A.  
Colorado Springs, Colo.*

How would you know if one of your employees was embezzling? Most dental practitioners are so focused on providing care to patients that they make costly errors in managing the finances. Find out how to spot fraud in your practice, and learn how you can safeguard your money and put a stop to dishonest employees.

At conclusion, participants should be able to:

- Identify some of the most common fraud schemes perpetrated against dental practitioners.
- Recognize red flags of fraud in a dental practice.
- Implement basic fraud prevention procedures to reduce risks in a dental practice.

**PS-302**

**Tampa**

## What am I Supposed to Eat? Dietary Guidelines Versus the Latest, Greatest Cure-All



Teresa A. Marshall  
Iowa City, Iowa

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

This is a repeated session, see page 55 for a complete synopsis.

**S-300 continued**

**Sun Ballroom C**

## When to and When not to—From Fresh Socket Implants to Delayed Implants

Harold S. Baumgarten, D.M.D.  
Philadelphia, Pa.

Christof Pertl, D.M.D., M.D.  
Graz, Austria

Marius Steigmann, D.D.S.  
Neckargemünd, Germany

*Moderator: Garrett M. Guess, D.D.S.  
San Diego, Calif.*

See page 56 for a complete session synopsis.

## Software User Group Meetings

All current users of the following endodontic software programs are invited to attend user group meetings on Saturday from 11 a.m. – 12:30 p.m.

**EndoVision: Sun 1**  
**PBS Endo: Sun 3**  
**TDO: Captiva**

1:30 – 2:30 p.m. ● ● ● ● ● ● ● ●

**SP-308**

**Sanibel**

**Good to Great**



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

*Moderator: Joel B. Slingbaum, D.M.D.  
Hollywood, Fla.*

Revolutionary research in the fields of leadership and management style has identified critical characteristics that differentiate great leaders from good leaders. Some of the more recent findings are counterintuitive and defy conventional beliefs relating to effective leadership. This presentation will focus on the practical utilization of these innovative concepts of leadership and management in improving your practice's bottom line while creating a more focused and enjoyable office environment for all.

At conclusion, participants should be able to:

- Describe the impact that organizational culture will have on your practice enjoyment and bottom line.
- Describe the critical importance of narrowing your practice focus.
- Describe the process of “managing process, not people.”

At conclusion, participants should be able to:

- Describe the five pillars of great chairside manner.
- Incorporate elements of humor directly related to providing endodontic care into their practice.
- Describe how to communicate in a manner that educates the patient while protecting the practitioner from legal actions arising from misunderstandings and poor communication.

**SP-309**

**Sun 1**

**Chairside Manner—How to Gain Your Patients' Respect, Love and Loyalty**



Robert M. Fleisher, D.M.D.  
Atlantic City, N.J.

*Moderator: Paula Russo, D.D.S., M.S.  
Washington, D.C.*

Chairside manner addresses the most neglected subject in health care: how to relate to patients' needs, fears and desires. Patients would actually like to have a friendly dentist who explains things to them and shows some compassion. This session explores a multitude of techniques to make you a better practitioner, all based on five pillars of great chairside manner: compassion, communication, character, comedy and class. You too can become a better dentist!

**SP-310**

**Sun 3**

**A New, Modified Thermoplastic Technique for Adhesive Obturation**



Tom Schloss  
Nürnberg, Germany

*Moderator: Karl Keiser, D.D.S., M.S.  
New Braunfels, Texas*

This lecture will highlight thermoplastic obturation material based on synthetic polymers with handling properties comparable to gutta-percha. A bonding agent facilitates adhesive attachment to the canal walls. Recommended techniques are cold-lateral or classic warm-vertical compaction. A modified technique with advantages for anatomically difficult cases, especially very long, oval or wide canals, is presented combining warm-vertical compaction and a modified McSpadden technique. The thermomechanical process and the filling technique are thoroughly explained and documented by case examples.

At conclusion, participants should be able to:

- Discuss the thermomechanical obturation process.
- Describe the benefits of this combination technique for long, oval or wide root canals.
- Apply the technique presented for the use with resin technologies.

● ● ● ● ● ● ● ●  
saturday

Sessions designed for:

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# educational sessions

1:30 – 2:30 p.m. continued • • • • •

**SP-311**

**Captiva**

## Apexification or Apical Barrier Technique: Which One?



Farzad Danesh, D.D.S., M.Sc.  
Tehran, Iran

*Moderator: Richard E. Rutledge, D.D.S.  
San Antonio, Texas*

One of the major problems confronting dental clinicians is to treat a pulpless, open apex tooth. Based on root length, degree of root divergence and materials, old apexification or a new apical barrier technique may be utilized. The aim of this presentation is to discuss factors that determine the treatment plan.

At conclusion, participants should be able to:

- Describe the rationale for apical barrier technique.
- Choose between apexification and apical barrier technique.
- Compare and contrast the old and new concepts of the apical barrier technique with respect to materials used.

**SP-312**

**Destin**

## Local Anesthetic Reversal: It's About Time



Bruce Rutherford, D.D.S., Ph.D.  
San Diego, Calif.

*Moderator: Lynne A. Baldassari-Cruz, D.D.S.  
Palo Alto, Calif.*

Currently, loss of feeling in the lips and tongue that accompanies local dental anesthesia lasts three to five hours. Many patients feel this protracted and unwanted anesthesia interferes with normal activities, such as speaking, eating and drinking. Recently, a reversal agent containing phentolamine mesylate, a vasodilator, was approved for the reversal of soft tissue anesthesia. Clinical trials in over 500 patients demonstrated that the median time to recovery was reduced by approximately 50 percent with a good safety profile.

At conclusion, participants should be able to:

- Identify the active pharmaceutical ingredient in the reversal agent and its principal pharmacological activity.
- Describe the essential efficacy findings of clinical studies described in the lecture.
- Describe the essential safety findings of the clinical studies described in the lecture.

1:30 – 3 p.m. • • • • •

**NS-302 continued**

**Osceola 2**

## Carrier-Based Obturation: Issues of Application and Retreatment



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

See page 54 for a complete session synopsis.

**NS-308**

**Tallahassee**

## Reasons for Instrument Fracture: Raw Material and Production Process



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

*Moderator: John D. Regan, B.D.Sc., M.Sc., M.S.  
Dallas, Texas*

Intracanal separation of nickel-titanium instruments is still a concern in endodontic practice and has been widely investigated in recent years. Many changes in instrument design, surface treatments and operative sequences have been proposed to increase instrument resistance. More recently, new manufacturing processes have been developed to provide alloys more resistant to metal fatigue. This lecture will discuss all of these topics, focusing attention on the latest innovative raw materials and production processes.

At conclusion, participants should be able to:

- List all of the factors affecting metal fatigue.
- Describe the difference between the traditional grinding process and the new production processes.
- Assess the potential for improvement of the new raw materials and production process.

## NS-309

Miami

### Endodontic Anatomy: Role in Endodontic Outcomes



Sasidhar Nallapati, B.D.S.  
Kingston, Jamaica

*Moderator: Anne E. Williamson, D.D.S., M.S.  
Iowa City, Iowa*

It is a well-established fact that root canal anatomy is complex and many endodontic failures are often attributed to missed anatomy in the initial treatment. This presentation reviews literature and discusses the current concepts pertaining to the role of complex anatomy in the successful outcome of endodontic treatment. With the aid of digital images and clinical cases, this presentation highlights the various current clinical techniques in use to locate and treat this complex anatomy.

At conclusion, participants should be able to:

- Review endodontic outcome literature with a focus on the role of anatomy.
- Describe the complexity of endodontic anatomy.
- Discuss current clinical techniques to treat complex anatomy.

session will provide up to date information on the research and clinical application of this new state-of-the-art plastic file technology.

At conclusion, participants should be able to:

- Describe the technology involved in creating plastic rotary files.
- Describe the current research on plastic rotary files.
- Describe the clinical advantages and disadvantages to plastic rotary files as compared to nickel-titanium rotary files and ultrasonic files that are currently used in conventional endodontic treatment.

## PS-303

Tampa

### Dietary Supplements and Dentistry: Complimentary or Conflicting?



Karen Baker  
Iowa City, Iowa

*Moderator: Deb L. Welters, R.D.A.  
Saint Paul, Minn.*

The resurgence of herbal medicine has produced confusion and conflict among health care providers and patients alike. We will discuss the dental impact of the top 20 dietary supplements and evaluate the “natural” oral health products promoted for oral diseases. The best information sources for the dental professional will also be listed. A practical and detailed handout will be provided to allow participants to apply this information to clinical dental practice.

At conclusion, participants should be able to:

- Buy and use the best clinical reference sources on dietary supplements and herbal medicines.
- List the supplements that have a significant effect on clinical bleeding.
- Recommend specific "natural" oral health products that make reasonable claims and are likely to be safe.

## NS-310

Sun Ballroom B

### Integrating Plastic Rotary Files Into Your Conventional Endodontic Treatment



James K. Bahcall, D.M.D., M.S.  
Milwaukee, Wis.

*Moderator: Alan H. Gluskin, D.D.S.  
San Francisco, Calif.*

The advancement of polymer science and technology have allowed for the development of plastic endodontic rotary files. With any new technology, an endodontist needs to be educated on the scientific research and clinical advantages and disadvantages of plastic endodontic instruments. This

• • • saturday • • •

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1:30 – 3 p.m. continued ● ● ● ● ● ●

**RE-301**

**Sun Ballroom D**

## Endodontic Regeneration: Lessons Learned and Future Directions



Peter E. Murray, B.D.Sc., Ph.D.  
*Davie, Fla.*

*Moderator: Peter Z. Tawil, D.M.D., M.S.  
Saint-Laurent, Quebec, Canada*

The goal of regenerative endodontics is to replace diseased, missing or traumatized tissues with healthy tissues to revitalize teeth. Several techniques will allow regenerative endodontics to become a reality. These are: root canal revascularization, stem cell therapy and tissue engineering. The problems of introducing reliable regenerative endodontic therapies are substantial, but the potential benefits to patients and the profession are equally groundbreaking. This presentation provides an explanation of the lessons learned and future directions.

At conclusion, participants should be able to:

- Describe the main approaches to accomplish regenerative endodontic therapy.
- Describe the current status of regenerative endodontic research.
- Describe the future directions of regenerative endodontic treatments.

**S-301**

**Sarasota**

## How to Successfully Incorporate Microsurgery Into Your Practice



Garrett M. Guess, D.D.S.  
*San Diego, Calif.*



Raed S. Kasem, D.D.S., M.S.  
*Clearwater, Fla.*



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

Many factors could jeopardize the success of nonsurgical endodontic therapy. The endodontist should be able to present microsurgery as a valid option to improve the quality of patient care when other treatment plans may not be viable or predictable. This presentation will discuss how incorporating microsurgery into the modern endodontic practice not only elevates the standard of care, it could also strengthen the relationship between the endodontist and the referring dentists.

At conclusion, participants should be able to:

- List the benefits of incorporating microsurgery in the endodontic practice.
- Make an educated evidence-based decision in presenting microsurgery as part of the treatment planning options.
- Discuss how referring dentists benefit from dealing with an endodontist who is educated, trained and comfortable in the area of microsurgery.

**S-302**

**Sun Ballroom C**

## Updates on Bone-Grafting Procedures: Application to Endo Surgery and the Outcome Assessment of Microsurgery With MTA



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



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

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

There is a lack of evidence on the outcome of periradicular microsurgery using MTA as a root-end filling. This presentation will give an account of the follow up of patients who have undergone this treatment modality. The results will be discussed in relation to other studies on the outcome of periradicular surgery.

At conclusion, participants should be able to:

- Compare the outcomes of various studies where periradicular surgery has been carried out.
- Describe the factors that constitute success for these surgical procedures.
- Describe those factors not linked to the surgery that affect the clinical outcome.

3:30 – 4:30 p.m. ● ● ● ● ● ● ● ●

## SP-313

Naples

### Outcome of Endodontic Treatment: How Well Are We Doing?



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

*Moderator: Donald J. Kleier, D.M.D.  
Aurora, Colo.*

Realistic assessment of endodontic treatment outcome is crucial for appropriate case selection and treatment decision-making. Additionally, perceptions of referring dentists regarding the predictability of endodontic treatment merit serious consideration by endodontists. This may determine whether patients elect to retain their natural dentition or if the affected tooth will be replaced by an implant. Studies assessing treatment outcome vary considerably in methodologies and results. In this presentation, evidence-based assessment of endodontic treatment outcome will be discussed.

At conclusion, participants should be able to:

- Describe the variations that exist in the literature regarding endodontic treatment outcome.
- Evaluate updated data obtained from large cohorts of patient populations.
- Apply this knowledge for evidence-based assessment of prognosis and treatment decision-making.

## SP-314

Sun 1

### Separated Instruments: Are They the Nightmare we Believe? Changing the Perspective



Ahmed A. Hashem, B.D.S., M.Sc., Ph.D.  
Cairo, Egypt

*Moderator: Paula Russo, D.D.S., M.S.  
Washington, D.C.*

Instrument separation can occur during everyday practice. It is one of the most frustrating situations for both the dentist and the patient. Retrieval of such broken instruments presents a great challenge even for the most experienced

clinician. With the advent of surgical microscopes and ultrasonics, removal of such broken instruments has become a more reliable procedure. Up-to-date literature reviews on prevalence, prevention, causes and prognosis of separated instruments will be covered in this lecture.

At conclusion, participants should be able to:

- Identify different causes of instrument separation, methods of prevention and prognosis.
- Describe the factors affecting the clinician's ability to successfully remove broken instruments.
- Discuss the different methods used for retrieval with special reference to their advantages and limitations.

## SP-315

Captiva

### Nonsurgical Endodontic Therapy of Large Cyst-Like Lesions and Apical True Cysts



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

*Moderator: Richard E. Rutledge, D.D.S.  
San Antonio, Texas*

A radicular cyst (pocket or true) is a pathologic cavity formed within an apical periodontitis. It is classified as an inflammatory lesion by the World Health Organization. A radicular cyst is likely formed by pathologic (inflammatory) hyperplasia of epithelial cells that rest in the inflamed periapical tissues. Hyperplasia is a reversible process if the causative irritant is removed. Therefore, large cyst-like lesions and apical true cysts could regress after nonsurgical root canal therapy by the mechanism of apoptosis.

At conclusion, participants should be able to:

- Describe the etiology of radicular cyst (pocket or true) formation.
- Describe the pathogenesis of radicular cyst formation.
- Describe the mechanism of regression of a radicular cyst (true) after nonsurgical root canal therapy.

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# educational sessions

3:30 – 4:30 p.m. continued ● ● ● ● ●

**SP-316**

**Destin**

## “Doctor, It Still Hurts!” Resolving Endodontic Anesthesia Problems



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

*Moderator: Lynne A. Baldassari-Cruz, D.D.S.  
Palo Alto, Calif.*

Inflamed tissues and anxious patients commonly are associated with difficulties in attaining profound anesthesia. To be discussed and reviewed are why emotional factors decrease pain tolerance and increase pain response. Also included are theories of why inflammation inhibits the action of the anesthetic agent and why mandibular teeth are so difficult to anesthetize. Useful supplemental anesthesia techniques will be described with accompanying videos showing application of these techniques on patients.

At conclusion, participants should be able to:

- Identify why endodontic patients present special difficulties in attaining anesthesia.
- Describe the theories of why inflamed tissues, particularly pulps in mandibular molars, are difficult to anesthetize.
- Apply supplemental anesthesia techniques to their own patients.

3:30 – 5 p.m. ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

**NS-302 continued**

**Osceola 2**

## Carrier-Based Obturation: Issues of Application and Retreatment



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

See page 54 for a complete session synopsis.

**NS-311**

**Tallahassee**

## Impact of Low-Cycle Fatigue and Torsional Load



Gary S. Cheung, B.D.S., M.D.S., M.Sc., Ph.D.  
*Hong Kong, Hong Kong*

*Moderator: Roberta Pileggi, D.D.S., M.S.  
Gainesville, Fla.*

Nickel-titanium instruments are known to fracture as a result of excess torsion or cyclic fatigue. Although the two mechanisms are likely to be operating simultaneously for an instrument in use, one of them often predominates in causing the ultimate failure. This presentation will describe the metallurgy, and torsional and low-cycle fatigue behavior of NiTi instruments. Directions for improving the fracture resistance of the material will be described.

At conclusion, participants should be able to:

- Describe the method of identifying the mode of failure for root canal instruments.
- Describe the relative importance of fatigue and torsion in causing fracture of NiTi rotary files.
- Describe the methods that would improve the fracture resistance of NiTi material.

## NS-312

## Miami

### Novel Strategies in Root Canal Obturation



Alastair MacDonald, B.D.S., M.S.D.  
Glasgow, Scotland

*Moderator: W. Craig Noblett, D.D.S., M.S.  
Berkeley, Calif.*

Entombing bacteria—is this the best that we can do? With the increased efficacy of modern instrumentation and obturation methods are our treatments retrievable? Do any obturating materials provide any long-term advantages or is the coronal seal the defining factor for a successful outcome? This presentation will examine the evidence to support current obturation methods and the importance of the coronal seal. Novel approaches to obturation of the root canal system will be presented.

At conclusion, participants should be able to:

- Describe the rationale for obturation of the root canal system.
- List the advantages and disadvantages for different methods of obturation.
- Assess the potential for future obturating concepts.

## NS-313

## Sun Ballroom B

### Endodontic Disinfection: Tsunami Irrigation



Clifford J. Ruddle, D.D.S.  
Santa Barbara, Calif.

*Moderator: Alan H. Gluskin, D.D.S.  
San Francisco, Calif.*

There is controversy regarding the ability to achieve complete treatment, yet predictably successful endodontics is dependent on fulfilling the objectives for shaping, cleaning, and 3-D obturation. This course will emphasize the strategic importance of fluid hydrodynamics and its role in endodontic disinfection. Evidence-based research will be presented that shows that sonic activation of irrigant improves debridement, smear layer removal and disruption of biofilms in well-shaped canals.

At conclusion, participants should be able to:

- Identify the biological and clinical factors that influence success and compare the various methods utilized for cleaning root canal systems.
- Utilize sonic activation for deep lateral cleaning and disinfection, and adapt to remove calcium hydroxide more effectively.
- Place MTA around root curvatures into root defects and remove residual obturation materials in the retreatment situation.

## PS-303 continued

## Tampa

### Dietary Supplements and Dentistry: Complimentary or Conflicting?

Karen Baker  
Iowa City, Iowa

*Moderator: Deb L. Welters, R.D.A.  
Saint Paul, Minn.*

See page 63 for a complete session synopsis.

saturday

# educational sessions

3:30 – 5 p.m. continued ● ● ● ● ● ●

RE-302

Sun Ballroom D

## Regenerative Endodontics: Reparative Dentin Formation



George Bogen, D.D.S.  
Los Angeles, Calif.

Moderator: Peter Z. Tawil, D.M.D., M.S.  
Saint-Laurent, Quebec, Canada

The induction of reparative dentin formation after caries removal and pulpal exposure continues to be a clinical challenge. Calcium hydroxide, the paragon in direct pulp capping, has been replaced with the introduction of mineral trioxide aggregate. This presentation will review currently available pulp capping agents and explore histological evidence in humans that support the use of this bioactive silicate cement. Case controls will be presented that have been completed using a two-visit protocol.

At conclusion, participants should be able to:

- Apply the factors involved in pulpal inflammation to better identify teeth that have a favorable prognosis for reparative dentin formation and survival.
- Describe the principles of objective caries removal using a caries detector dye and recognize the significance of preserving the inner carious layer.
- Describe a two-step treatment protocol designed to monitor pulpal vitality, MTA setting and sealed restoration placement.

S-303

Sun Ballroom C

## Laser and Computed Tomography: Their Role in Microsurgery



Ove A. Peters, D.M.D., M.S., Ph.D.  
Mill Valley, Calif.



Ralan D. Wong, D.D.S.  
San Francisco, Calif.

Moderator: Frank C. Setzer, D.M.D., M.S.  
Philadelphia, Pa.

Recent developments in imaging technology and modern-day laser utilization in endodontics will be discussed. Laser application in surgical and nonsurgical therapy may offer new advantages in disinfection and repair. Cone-Beam Volumetric Tomography or CBVT, for surgical planning is significantly different from conventional CT, generating images and reconstructions that can fundamentally change the delivery of care. CBVT image interpretation, including clinical examples and the assessment of artifacts will be discussed. The integration of CBVT and laser technology into surgical and nonsurgical endodontics and implantology will be highlighted, including new findings relevant to the assessment of periradicular lesions and case review.

At conclusion, participants should be able to:

- Describe the underlying principles for Cone-Beam Volumetric Tomography and laser usage.
- List the requirement for successful integration of CBVT and lasers into an endodontic practice.
- Discuss the benefits of CBVT scans for preoperative planning and case review.

● ● ● ● ● ●  
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AAEAD08 11/08

# exhibits

## Exhibit Hall Schedule

<b>Thursday</b>	<b>10 a.m. – 5 p.m.</b>
<b>Friday</b>	<b>8 a.m. – 6 p.m.</b>
<b>Saturday</b>	<b>8 a.m. – 2 p.m.</b>

The AAE exhibit hall offers a variety 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 2009 AAE Annual Session!

Current exhibitors as of press time are listed below. Visit the AAE Web site at [www.aae.org](http://www.aae.org) for the most up-to-date listing.



**Acidental**  
913/384-7390  
[www.acidental.com](http://www.acidental.com)

**Acteon North America**  
800/289-6367  
[www.acteongroup.com](http://www.acteongroup.com)

**Aseptico**  
425/487-3157  
[www.aseptico.com](http://www.aseptico.com)

**ASI**  
303/766-3646  
[www.asimedical.net](http://www.asimedical.net)

**Benco Dental**  
570/825-7781  
[www.benco.com](http://www.benco.com)

**Biomet 3i, LLC**  
800/443-8166  
[www.biomet3i.com](http://www.biomet3i.com)

**Brasseler USA**  
800/841-4522  
[www.brasselerusa.com](http://www.brasselerusa.com)

**Carl Zeiss Meditec**  
925/557-4100  
[www.meditec.zeiss.com/us/dentistry](http://www.meditec.zeiss.com/us/dentistry)

**CK Dental Industries**  
800/675-2537  
[www.ckdental.net](http://www.ckdental.net)

**Coltene Whaledent**  
330/916-8800  
[www.coltenewhaledent.com](http://www.coltenewhaledent.com)

**Dentazon Corporation**  
310/328-1600  
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**DENTSPLY Rinn**  
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[www.rinncorp.com](http://www.rinncorp.com)

**DENTSPLY Tulsa Dental Specialties**  
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[www.tulsadental.dentsply.com](http://www.tulsadental.dentsply.com)

**Designs for Vision, Inc.**  
631/585-3300  
[www.designsforvision.com](http://www.designsforvision.com)

**Discus Dental, LLC (Smart Endodontics)**  
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[www.discusdental.com/endo](http://www.discusdental.com/endo)

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877/477-8899  
[www.endotechnic.com](http://www.endotechnic.com)

**Endo Shopper, division of Darby Dental**  
800/464-3022  
[www.endoshopper.com](http://www.endoshopper.com)

**Endoco, Inc.**  
901/683-6677  
[www.endoco.com](http://www.endoco.com)

**EndoVision-Henry Schein Practice Solutions**  
800/680-6902  
[www.dental-specialty-software.com](http://www.dental-specialty-software.com)

**Essential Dental Systems**  
201/487-9090  
[www.edsdental.com](http://www.edsdental.com)

**Franklin Dental Supply, Inc.**  
800/972-7917  
[www.franklinsupply.com](http://www.franklinsupply.com)

**Global Surgical Corp.**  
800/767-8726  
[www.globalsurgical.com](http://www.globalsurgical.com)

**Guidance Endo**  
505/872-1114  
[www.guidanceendo.com](http://www.guidanceendo.com)

**Hartzell & Son, G.**  
925/798-2206  
[www.ghartzellandson.com](http://www.ghartzellandson.com)

**HealthFirst Corporation**  
425/771-5733  
[www.healthfirst.com](http://www.healthfirst.com)

**Henry Schein Dental**  
800/372-4346  
[www.henryschein.com](http://www.henryschein.com)

**Hu-Friedy Mfg. Co., Inc.**  
800/483-7433  
[www.hu-friedy.com](http://www.hu-friedy.com)

**Jedmed Instrument Company**  
314/845-3770  
[www.jedmed.com](http://www.jedmed.com)

**J. Morita USA, Inc.**  
949/581-9600  
[www.jmoritausa.com](http://www.jmoritausa.com)

**Jordco, Inc.**  
800/752-2812  
[www.jordco.com](http://www.jordco.com)

**Lexi-Comp, Inc.**  
330/650-6506  
[www.lexi.com](http://www.lexi.com)

**Mani, Inc.**  
81/286753311  
[www.mani.co.jp](http://www.mani.co.jp)

**Medidenta.com**  
718/672-4670  
[www.medidenta.com](http://www.medidenta.com)

**Medmark**  
866/579-9496  
[www.endopracticeus.com](http://www.endopracticeus.com)

**Meta Biomed, Inc.**  
267/282-5893  
[www.meta-biomed.com/english/dental](http://www.meta-biomed.com/english/dental)

**Microsurgery Instruments, Inc.**  
713/664-4707  
[www.microsurgeryusa.com](http://www.microsurgeryusa.com)

**Miltex**  
866/854-8300  
[www.miltex.com](http://www.miltex.com)

**Nobel Biocare**  
800/993-8100  
[www.nobelbiocare.com](http://www.nobelbiocare.com)

**Obtura Spartan**  
800/344-1321  
[www.obtura.com](http://www.obtura.com)

**On Hold Advertising, Inc.**  
800/493-9003  
[www.ddsonhold.com](http://www.ddsonhold.com)

**Orasoptic**  
800/369-3698  
[www.orasoptic.com](http://www.orasoptic.com)

**Osada, Inc.**  
310/841-2220  
[www.osadausa.com](http://www.osadausa.com)

**Palisades Dental**  
201/569-0050  
[www.palisadesdental-llc.com](http://www.palisadesdental-llc.com)

**PBHS**  
707/566-6901  
[www.pbhs.com](http://www.pbhs.com)

**PBS Endo**  
800/535-0198  
[www.pbsendo.com](http://www.pbsendo.com)

**Plastic Endo, LLC**  
866/752-3636  
[www.plasticendo.com](http://www.plasticendo.com)

**PracticeWorks/Kodak Dental Systems**  
800/944-6365  
[www.kodakdental.com](http://www.kodakdental.com)

**ProSites**  
951/693-9101  
[www.prosites.com](http://www.prosites.com)

**Quality Aspirators/Q-Optics**  
972/298-2669  
[www.qualityaspirators.com](http://www.qualityaspirators.com)

**Quintessence Publishing Co., Inc.**  
630/736-3600  
[www.quintpub.com](http://www.quintpub.com)

**Radman, White & Assoc., Inc.**  
972/386-7222  
[www.endotransitions.com](http://www.endotransitions.com)

**Roydent Dental Products**  
800/992-7767  
[www.roydent.com](http://www.roydent.com)

**Schick Technologies**  
718/937-5962  
[www.schicktech.com](http://www.schicktech.com)

**Schwed Co., Inc.**  
718/441-0526  
[www.schwed.com](http://www.schwed.com)

**Seiler Precision Microscopes**  
800/489-2282  
[www.seilerinst.com](http://www.seilerinst.com)

**Septodont**  
800/872-8305  
[www.septodontusa.com](http://www.septodontusa.com)

**Sirona Dental Systems**  
704/587-0453  
[www.sirona.com](http://www.sirona.com)

**SS White Burs, Inc.**  
732/905-1100  
[www.sswhiteburs.com](http://www.sswhiteburs.com)

**Surgitel/General Scientific Corp.**  
800/959-0153  
[www.surgitel.com](http://www.surgitel.com)

**SybronEndo**  
800/346-3636  
[www.sybronendo.com](http://www.sybronendo.com)

**TDO/eie2**  
858/558-3636  
[tdo4endo.com](http://tdo4endo.com)

**Treloar & Heisel, Inc.**  
800/345-6040  
[www.th-online.net](http://www.th-online.net)

**Ultradent Products, Inc.**  
800/552-5512  
[www.ultradent.com](http://www.ultradent.com)

**Wiley-Blackwell**  
800/434-3422  
[www.wiley.com](http://www.wiley.com)

# special events

## Wednesday

### Golf Outing

7 a.m. – Depart

Tour Lobby

8 a.m. – Start

Falcon's Fire Golf Club



\$160 early/\$170 standard, inclusive of green fees and cart, transportation, tournament coordination, continental breakfast and post-play luncheon

Join your colleagues for a round of golf in sunny Florida! This special outing will take place at the Falcon's Fire Golf Club with winners recognized and prizes awarded at the golfer's luncheon immediately following play.

### International Reception (by invitation)

5:30 – 6:30 p.m.

Orange Blossom Ballroom

Every year, the leaders of the AAE host a gathering for international attendees. Mingle with colleagues and friends from a myriad of countries prior to the Welcome Reception. International attendees will receive an invitation in their registration materials.

*Sponsored by Elsevier*

### Welcome Reception

6:30 – 8 p.m.

Piazza



One of most eagerly anticipated events of the Annual Session, the Welcome Reception stands out for its collegial atmosphere. Reconnect with old friends and meet

colleagues you've always wanted to talk to in the warmth of the Gaylord's beautiful outdoor patio. Raffle tickets from the AAE Alliance will be available for purchase—don't miss the chance to win one of the two sporty Honda® Metropolitan scooters and benefit the AAE Foundation.

## Thursday

### Opening Session

8 – 10 a.m.

Osceola Ballroom



**Louis E. Rossman, D.M.D.**

Plan to be a part of this high-energy breakfast event featuring AAE President Louis E. Rossman. In addition, the recipients of the Lifetime and New Practitioner Dental Community Volunteer Spirit of Service Awards will be recognized.

### Professional Staff Coffee

10 a.m. – noon

Captiva

Break out of your routine to meet other endodontic office staff over coffee at this new networking event designed just for you! Share ideas and swap resources with others who face the same opportunities and challenges on the job, and learn how the AAE can make your work easier with its online and practice management tools.

*Sponsored by Endoco*

### Louis I. Grossman Memorial Luncheon

Noon – 1:30 p.m.

Sun Ballroom A

\$45 per person includes luncheon service and program

Sponsored by the College of Diplomates, this luncheon program acknowledges endodontists who achieved Board certification during 2008. Family members, ABE directors, the AAE Executive Committee and other Diplomates will gather to share this moment of recognition.



**Featured Presenter: Leif K. Bakland, D.D.S.**

Dr. Bakland's luncheon presentation, *Success Through Adversity*, will highlight several challenges that have appeared to impede endodontics throughout the years, and how facing the facts and directly confronting these issues has actually stimulated the positive aspects of endodontics, resulting in a stronger dental discipline.

### 2008-2009 College of Diplomates Leadership:

George T. Goodis, D.D.S., President

Harold E. Goodis, D.D.S., President-Elect

Joseph S. Dovgan, D.D.S., M.S., Secretary

André K. Mickel, D.D.S., M.S.D., Treasurer

Frederic Goodman, D.D.S., Immediate Past President

Charles J. Cunningham, D.D.S., Director

Sandra Madison, D.D.S., M.S., Director

Debra A. Meadows, D.D.S., Director

Christopher S. Wenckus, D.D.S., Director

Keith V. Krell, D.D.S., M.S., M.A., ABE Consultant

Susan Hawkinson, Administrative Secretary

## Friday

### Edgar D. Coolidge Luncheon

11:45 a.m. – 1:15 p.m. Osceola Ballroom

Be part of the ceremonies to acknowledge recipients of the Association's prestigious awards: the Louis I. Grossman, I.B. Bender Lifetime Educator, Ralph F. Sommer and the highest honor, the Edgar D. Coolidge.

### Resident Reception (by invitation)

5 – 6:30 p.m. Piazza

This annual event is designed exclusively for the endodontic resident. Don't miss this valuable opportunity to network and enjoy refreshments immediately following the Resident and New Practitioner Career Fair. All residents are encouraged to attend.

*Sponsored by Treloar and Heisel, Inc. and MedPro*

### Professional Staff Reception (by invitation)

6 – 7:30 p.m. Suite 8329

Celebrate the broad range of contributions that professional staff members bring to the endodontic office at this new reception designed especially for you. Look for your invitation in the on-site meeting registration materials and plan now to attend!

*Sponsored by Brasseler USA and PBS Endo*



## Energize Yourself at the AAE Boot Camp!

*All Fitness Levels Welcome!*

Mike Smaltz, a Platoon Fitness instructor from Philadelphia, Pa., will be conducting the Dr. Louis E. Rossman Boot Camp on the following days and times:

*Location: Convention Center Porte Cochere, Exhibit Level*

<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>
6 – 7 a.m.	6 – 7 a.m.	6 – 7 a.m.
11 a.m. – noon	5:30 – 6:30 p.m.	12:30 – 1:30 p.m.
5:30 – 6:30 p.m.		

## Friday continued

### Celebrate Orlando!

9 p.m. – midnight Hard Rock Live  
6050 Universal Blvd.

Break out the flip-flops and join your friends to truly celebrate Orlando at the Hard Rock Live with featured entertainment, The Beach Boys! Their classic songs have engaged audiences worldwide and will provide all attendees with an enjoyable evening.

The Hard Rock Live is located at Universal CityWalk®. Arrive early or stay after the event to experience this 30-acre entertainment complex offering the best of the best in live music, casual and fine dining, dancing, shopping, movies and more. Continuous transportation will be provided between the Gaylord Palms Resort and Hard Rock Live from 8:30 p.m. to midnight.

*Please Note:* This event is open to all registered attendees. Your name badge is required for entrance.

*Sponsored by DENTSPLY Tulsa Dental Specialties*

*The Beach Boys brought to you by the AAE.*

## Saturday

### General Assembly Breakfast

7:15 – 9 a.m. Osceola Ballroom

The General Assembly is the annual business meeting for the Association. The AAE officers, AAE Foundation president, ABE president and JOE editor present brief reports, and important issues affecting you and the Association are discussed with courses of action decided.

Members will consider revisions to the AAE Constitution. Your colleagues will also be installed as next year's 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*

### AAE Foundation Leadership Donor Reception (by invitation)

6 – 7 p.m. Orange Blossom Ballroom

This third annual event honors the AAE Foundation's leadership donors.

*Sponsored by SybronEndo*

# special events

## Good Vibrations are Coming From the Hard Rock Live!

Join your friends and colleagues for some “Fun, Fun, Fun” at the most popular Annual Session celebration event.

### *Celebrate Orlando!*

Friday, May 1

9 p.m. – midnight

Featuring **The Beach Boys**

All registered meeting participants are invited to attend—be sure to bring your meeting badge! See p. 73 for more information.

Event sponsored by:

**DENSPLY**  
TULSA DENTAL  
SPECIALTIES

Endodontics & Implants

*Our Quality. Your Success.  
Their Satisfaction.*



# award winners

## Edgar D. Coolidge Award



**Jeffrey W. Hutter, D.M.D., M.Ed.**

The Association's highest honor is presented to an individual who has displayed leadership and exemplary dedication to dentistry and endodontics.

## Louis I. Grossman Award



**Al Reader, D.D.S., M.S.**

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

## I.B. Bender Lifetime Educator Award



**Gary R. Hartwell, D.D.S., M.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 guidance has instilled in his/her students the desire to pursue excellence in their careers.

## Ralph F. Sommer Award



**Samuel Kakehashi, D.D.S., M.Sc.**

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 material and devices for constructive influence on clinical practice.

## Spirit of Service Awards

Presented to two individuals who have demonstrated the true spirit of leadership by devoting time and expertise, volunteering in the community to increase awareness of endodontics and bettering the lives of the underserved dental population.



**Lifetime Dental Community Volunteer Award**

**John D. Hartness, D.D.S.**



**New Practitioner Dental Community Volunteer Award**

**Robert A. Goldberg, D.D.S.**

**Engage with *JOE* Online!**

Visit the AAE Oasis in the Exhibit Hall to learn how to get the most out of your *Journal*.

While you are there, activate your free online subscription at [www.jendodon.com](http://www.jendodon.com) for a chance to win a portable Garmin GPS!

And don't miss the opportunity to speak with Editor Ken Hargreaves, D.D.S., Ph.D., in person!

# alumni and affiliate functions

## Wednesday

<b>Baylor College of Dentistry</b>	Reception: 8:30 – midnight Orange Blossom Ballroom
<b>U.S. Air Force Association of Endodontists</b>	Meeting: 5 – 6 p.m. Emerald 1
<b>University of Michigan</b>	Reception: 8:30 – 11 p.m. Offsite
<b>University of Minnesota</b>	Reception: 5 – 6:30 p.m. St. George 106
<b>V.A. Long Beach Endodontic Alumni</b>	Reception: 5 – 6:30 p.m. St. George 102

## Thursday

<b>Albert Einstein Endodontic Alumni Society</b>	Reception: 6:30 – 8 p.m. Emerald 5
<b>Case Western Reserve University</b>	Reception: 6 – 8 p.m. Naples Foyer
<b>Columbia University</b>	Reception: 6 – 9 p.m. Osceola Lobby
<b>Harvard University</b>	Dinner: 6:30 – 10 p.m. Offsite
<b>Louisiana State University</b>	Reception: 7 – 9 p.m. Emerald 7
<b>Michigan Association of Endodontists</b>	Reception: 6 – 8 p.m. South Beach Pool
<b>New York State Association of Endodontists</b>	Meeting: 5 – 5:30 p.m. Captiva
<b>New York University</b>	Reception: 6 – 8 p.m. Tampa Foyer
<b>Nova Southeastern University</b>	Reception: 8:30 – 10 p.m. Orange Blossom Ballroom
<b>Ohio State University</b>	Reception: 7 – 10 p.m. St. George 108
<b>Oregon Health &amp; Science University</b>	Reception: 6:30 – 8 p.m. Emerald 6
<b>St. Louis University</b>	Reception: 6 – 8 p.m. Sun 6
<b>State University of New York at Buffalo</b>	Reception: 5:30 – 7:30 p.m. Marlin Dock
<b>Temple University</b>	Reception: 5 – 7 p.m. Emerald 1
<b>Tufts Endodontic Alumni Group</b>	Reception: 6 – 8 p.m. Lower Fort
<b>U.S. Army Association of Endodontists</b>	Reception: 5:30 – 7:30 p.m. Emerald 4
<b>U.S. Navy Association of Endodontists</b>	Reception: 6 – 8:30 p.m. Executive Center
<b>University of California at Los Angeles</b>	Reception: 6:30 – 8:30 p.m. Sun 4

## Thursday continued

<b>University of Florida</b>	Reception: 7 – 9 p.m. Sun 1
<b>University of Illinois</b>	Dinner: 6 – 9 p.m. St. George 106
<b>University of Iowa</b>	Reception: 6 – 8 p.m. St. George 104
<b>University of Louisville</b>	Reception: 6 – 8 p.m. Sanibel Foyer
<b>University of Maryland</b>	Reception: 6:30 – 8:30 p.m. Osceola 1
<b>University of Missouri-Kansas City</b>	Reception: 5:30 – 7:30 p.m. Emerald 3
<b>University of North Carolina/ TarHeel Endodontic Association</b>	Meeting: 5 – 6 p.m. Reception: 6 – 7:30 p.m. Emerald 2
<b>University of Pennsylvania</b>	Reception: 5:30 – 8:30 p.m. Upper Fort
<b>University of Pittsburgh</b>	Reception: 6 – 8 p.m. Auggie's Foyer
<b>University of Southern California</b>	Reception: 7 – 9 p.m. Sun Lobby
<b>University of Texas at Houston Endodontic Alumni</b>	Reception: 6:30 – 8:30 p.m. Sun 3
<b>University of Texas Health Science Center at San Antonio</b>	Reception: 6:30 – 9:30 p.m. Emerald 8
<b>University of Washington</b>	Reception: 6 – 8 p.m. Miami Foyer
<b>Virginia Commonwealth University</b>	Reception: 6:30 – 8:30 p.m. Sun 5
<b>West Virginia University</b>	Reception: 6 – 8 p.m. St. George 102

## Friday

<b>Boston University</b>	Reception: 6:30 – 9 p.m. South Beach Pool
<b>Florida Association of Endodontists</b>	Reception: 5:30 – 8:30 p.m. St. George 108
<b>Marquette University</b>	Reception: 6 – 7 p.m. St. George 102
<b>U.S. Navy Association of Endodontists</b>	Breakfast Meeting: 8 – 10 a.m. St. George 108
<b>University of Medicine &amp; Dentistry of New Jersey</b>	Reception: 6 – 8 p.m. St. George 104

## Saturday

<b>Boston University</b>	Lunch Meeting: 12:30 – 1:30 p.m. Orange Blossom Ballroom
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# other functions

## Wednesday

**College of Diplomates  
Board of Directors** Meeting: 4:30 – 6:30 p.m.  
St. George 108

**International Federation of  
Endodontic Associations** Meeting: 1 – 5 p.m.  
Emerald 2

## Thursday

**Affiliate Leadership Meeting** Meeting: 11 a.m. – noon  
Destin

**African-American Endodontic Group** Reception: 8:30 – 10:30 p.m.  
Emerald 1

**District Caucuses** 10 – 11 a.m.  
District I – Tampa  
District II – Tallahassee  
District III – Sanibel  
District IV – Miami  
District V – Naples  
District VI – Sun C  
District VII – Sun D

**French Society of Endodontists** Reception: 7:30 – 9:30 p.m.  
Piazza

**Harry J. Healey Endodontic Study Club** Reception: 6:30 – 9 p.m.  
Marine Patio

**International Federation of  
Endodontic Associations** Meeting: 10 a.m. – noon  
Emerald 2

## Friday

**JOE Editorial Board Committee** Meeting: 7 – 10 a.m.  
Emerald 1

**Triple O Editorial Board** Breakfast Meeting: 7 – 8:30 a.m.  
Emerald 7

## Saturday

**Software User Group Meetings** 11 a.m. – 12:30 p.m.  
All current users of the following  
endodontic software programs are  
invited to attend user group meetings.  
EndoVision–Sun 1  
PBS Endo–Sun 3  
TDO–Captiva



## Learn How the AAE Works

### Friday

1:45 – 2:45 p.m.

Sun 3

AAE leaders will talk about the governance, operations and finances of the AAE, including state affiliate organizations, districts, committees and Boards, and how members can get involved. Join us to learn more about your Association!

# alliance activities

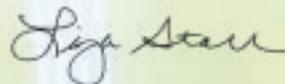
## Greetings and welcome to Orlando!

I am honored to represent each of you as president of the Alliance of the AAE and especially thank you for your membership. Please join us for fun and friendship during this meeting—we have some great activities planned:

- Stop by the Alliance Registration Desk in the AAE Registration and Information Area to receive your welcome gift.
- The Alliance will raffle two sporty Honda® Metropolitan Scooters to raise funds for the AAE Foundation. The scooters will be on display during the meeting and tickets will be sold during the Welcome Reception. Come purchase tickets and you may be the lucky winner!
- Join us for refreshments and visiting in the Hospitality Suite on Thursday. Check with the Alliance Registration Desk for the location.
- Enjoy a full breakfast buffet Friday morning prior to leaving for Epcot®'s “Behind the Seeds” tour, then return to the hotel or stay and spend the day at Epcot®. Alliance members may purchase additional “tour only” tickets for family—all ages welcome. See page 79 for details.

Membership in the Alliance is open to all spouses of AAE members. Your membership helps to support your spouse, the AAE Foundation, and is an opportunity to meet and visit with endodontic spouses that share common interests. We look forward to seeing you!

Sincerely,

A handwritten signature in cursive script that reads "Liza Starr".

Liza Starr  
*AAE Alliance President*  
*allstarrs@mac.com*

## Wednesday

### Alliance Raffle

6:30 – 8 p.m. Suite\*

Alliance Raffle tickets will be sold during the Welcome Reception. To volunteer, please contact Jenny Freeland at [mjfreeland@aol.com](mailto:mjfreeland@aol.com).

## Thursday

### Hospitality Suite

10:30 a.m. – 12:30 p.m. Suite\*

### Board of Directors Meeting

12:30 – 1:30 p.m. Suite\*

## Friday

### AAE Alliance Breakfast and Epcot®'s "Behind the Seeds" Tour

9 – 10:30 a.m. – Breakfast Orange Blossom Ballroom  
10:30 a.m. – Depart Tour Lobby  
11 a.m. – 12:30 p.m. – Tour



Come and enjoy a full breakfast buffet while renewing old friendships and make new ones prior to leaving on a special Epcot® tour for Alliance members and their guests. After the tour, return

to the hotel, or stay at the park for a day of fun!

Disney, Disney, how does your garden grow? Discover these secrets and more on this special backstage tour in The Land Pavilion at Epcot® led by a member of the Epcot® Science Team. Go alligator gazing, release ladybugs in greenhouses, explore mind-blowing hydroponic crops from around the world and learn about Disney's amazing work with NASA. Much of the produce grown in The Land makes its way to the restaurant tables of Walt Disney World®, including unique produce grown in the shape of Disney characters! Unearth the secrets of the green thumbs responsible for the famous Disney greenhouse then sprout seeds in your pocket to plant your own Disney magic at home! Secure your spot by using the Registration Form at the back of this program.

The breakfast and tour is available for purchase by all active Alliance members and guests of Alliance members.

**\$40 per person for breakfast and tour**

**\$15 per person for tour only**

*Please Note: Price for the tour does not include admission to the park.*

## Saturday

### New Board Meeting

9:30 – 10:30 a.m. Suite \*

## AAE Alliance Board of Directors

President

Liza Starr (Steven)

President-Elect/Fundraising Chair

Jenny Freeland (Mark)

Vice President

Kerstin Conn (Douglas)

Immediate Past President

Carol Cooke (H. Groves)

Secretary

Rebecca Funderburk (David)

Treasurer

Jean Weller (Norman)

Historian

Wendy Zent (Dennis)

Membership

Laura Walton (Richard)

Charter Keeper

Shelly Zucker (Kenneth)

Member-at-Large

Linda Powell (William)

Local Arrangements

Carol Belanger (Laurent)

Robin Mann (Sheldon)

Beverly Paulk (Glenn)

AAE Board Liaison

James C. Kulild, D.D.S., M.S. (Jan)

*\* The location for the suite will be posted at the Alliance desk located in the AAE Registration and Information Area.*

# general information

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## AAE Oasis

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The AAE member service center brings you everything you need in one convenient location in the exhibit hall: practice management and clinical resources, membership assistance, public awareness campaign information, logo apparel and gifts, and much more. This year, plan to meet *JOE* Editor Ken Hargreaves, who will be available at designated times for discussion and questions. Take the opportunity to activate your *JOE* online account on site for a chance to win a handheld GPS!

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## Annual Session Shirts

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Purchase your Annual Session commemorative shirt by checking the appropriate box on the Registration Form or online. This tastefully designed Tommy Bahama-style shirt is a must for this year's meeting. Don't hesitate; reserve

yours today! It will be mailed to you prior to the Annual Session. All quantities are limited and sales are final.

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## Attire

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In keeping with Florida's casual atmosphere, attendees are encouraged to leave their business attire at home. Business casual is appropriate for all activities.

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## Badges

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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 84); therefore, please wear your name badge to all functions. Tickets are only required for events not included in your package. **Also, please take a moment to complete the emergency information found on the reverse side of your name badge.**

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## Career Opportunities Exchange Board

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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.

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## Childcare

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Guests requiring childcare may contact the Gaylord Palms Resort concierge at 407/586-2236 for additional information.

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## Continuing Education Credits/Units

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Up to 28 hours of continuing education units can be attained through a combination of educational sessions, workshops and the Pre-Session Symposium. An attendance verification number will be announced at each session. In order to receive CE credit, please record the verification number and your AAE member number on the Session Evaluation Form. Attendees should return the completed forms to the AAE room monitors or by mailing/faxing the form to the AAE.

A CE Verification Letter will be provided to attendees after the meeting. CE credit is awarded on an hour-for-hour basis. Attendees should claim only those hours of credit that they actually spent in the educational activity. Participants will be able to claim a maximum of two CE credit hours for attending the oral and poster presentations and table clinics. Attendees should complete an OPT evaluation form, available at the oral and poster research presentation and table clinic sites, in order to document their attendance. 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, a recognized provider in Florida #PP0049, with the Academy of General Dentistry #4401, and in California #2030.



To learn more about earning CE credit online following the meeting, visit the AAE Live Learning Center at [www.aae.org/livelearningcenter](http://www.aae.org/livelearningcenter), or see the inside back cover for more details.

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## Session Recordings and Online CE

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All 2009 Annual Session recordings are available for purchase through the AAE Live Learning Center or the enclosed Registration Form. This year, we are pleased to offer unlimited online access to educational sessions, synchronized audio, video and PowerPoint® components, speaker handouts in PDF format, and the ability to earn CE credit! For details, see inside back cover or visit [www.aae.org/livelearningcenter](http://www.aae.org/livelearningcenter).

LIVE LEARNING  
CENTER

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## Endo-Mail Kiosks

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Need to search the Internet, check your e-mail or look up a flight confirmation? Annual Session attendees can do all of this and more, free-of-charge, at the Endo-Mail kiosks in the City Hall Lobby.

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## Lost and Found

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Call ext. 33 from any house phone.

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## Medical Assistance

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An emergency technician will be stationed at major events and will be available during published meeting hours. The First Aid Room is located on the Exhibit Hall level.

For medical assistance, call ext. 33 from any hotel house phone.

The medical facility that is within closest proximity to the Gaylord Palms Resort and Convention Center is:

Florida Hospital Celebration Health  
400 Celebration Place  
Celebration, FL 34747  
407/303-4000

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## No Smoking Policy

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

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## Spa Discount

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The Canyon Ranch SpaClub® located in the Gaylord Palms Resort, is pleased to offer a 10 percent discount on all treatments for AAE attendees beginning Monday, April 27 through Thursday, April 30. Standard fees will apply on Friday, May 1 and Saturday, May 2. You may make a reservation by calling 407/586-4772. Please identify yourself as an AAE attendee in order to receive the discount.

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## Speaker-Ready Room

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Presenters may preview their presentations and obtain assistance in Daytona 2 during the following hours:

<b>Tuesday:</b>	3 – 7 p.m.
<b>Wednesday:</b>	7 a.m. – 7 p.m.
<b>Thursday:</b>	7 a.m. – 5 p.m.
<b>Friday:</b>	7 a.m. – 6 p.m.
<b>Saturday:</b>	7 a.m. – 5 p.m.

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## Special Assistance

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If you have a physical, communication or dietary restriction that may affect your participation in Annual Session activities, please contact Karen Allison at 800/872-3636 (North America) or 312/266-7255 (International), ext. 3026, or e-mail [kallison@aae.org](mailto:kallison@aae.org), at least 30 days prior to your arrival. We can only ensure the availability of appropriate accommodations with prior notification of need.

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## Ticket Sales

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On-site ticket sales for AAE-sponsored events are final and must be purchased at least 24 hours prior to the event on a first-come, first-served basis. Tickets for all attendees are required for the Golf Outing (see page 72) the Pre-Session Symposium (page 17), workshops (page 14), the Louis I. Grossman Memorial Luncheon (page 72), and the AAE Alliance Breakfast and Tour (page 79).

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## Hotel Reservations

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The AAE has reserved a block of guestrooms at the Gaylord Palms Resort and Convention Center:

6000 W. Osceola Parkway

Kissimmee, FL 34746

Phone: 407/586-0000

Fax: 407/586-1999

Web Site: [www.gaylordhotels.com](http://www.gaylordhotels.com)

### Rates

The following group rates will be offered to Annual Session attendees until March 30, 2009, or until the room block is filled, whichever occurs first. After that time, rates and reservations will be subject to availability.

**Standard Rooms:** \$237

**Emerald Bay Rooms\*:** \$260

**Executive Suite:** \$358

**Deluxe Suite:** \$508

Rates apply to single/double occupancy, subject to \$20 for each additional person over 18 years of age, and a 13 percent occupancy tax. In addition, a \$15 per night resort fee will apply. The resort fee includes wireless/in-room Internet access, daily newspaper, in-room coffee and bottled water (replenished daily), access to the fitness center, local, toll-free and credit card phone calls up to 20 minutes, transportation to Disney theme parks, Universal theme parks and one bucket of range balls at Falcon's Fire Golf Club.

*\*Upscale guestrooms, elegantly decorated with upgraded amenities.*

### Reservation Procedure

To make your reservation, go to the AAE Web site at [www.aae.org](http://www.aae.org) and click on the Annual Session icon found on the home page. Select "Hotel Reservations" from the Quick Links menu on that page. Or, you may reserve your room by calling the Gaylord Palms Resort directly at 407/586-2000. Be sure to identify yourself as an AAE Annual Session attendee.

### 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 if the resort receives notice of cancellation at least seven days prior to the date of arrival. This deposit is forfeited in its entirety for cancellations received within seven days prior to arrival and for all no-shows.

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## Travel and Transportation

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### 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.

Online at [www.united.com](http://www.united.com)

Select the "Planning and Booking" tab and click "More Search Options;" enter **Meeting ID# 578QH** in the Electronic Certificate or promotion code box.

Call (or have your travel agent call) United's Meeting Desk at 800/521-4041 and refer to **Meeting ID# 578QH**.

### Airport Transportation

Taxi fare from the Orlando International Airport to the Gaylord Palms Resort is approximately \$45 one way.

Shuttle service between the airport and the Gaylord Palms Resort is provided by Mears Transportation for \$19 one way (\$32 round trip). The airport shuttles depart the Gaylord Palms at 20 and 50 minutes past the hour and a reservation is required. To make a reservation, call Mears Transportation at 407/423-5566.

Town car service from the Orlando International Airport to the Gaylord Palms Resort is \$73 and \$58 from the resort to the airport. Reservations can be made in advance by calling the resort concierge at 407/586-2236.

### Car Rental

Hertz is the preferred car rental company of the AAE. 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](http://www.hertz.com)

Calling from the United States: 800/654-2200

Calling from Canada: 800/263-0600

**PC# 107251**

**CDP# 48141**

### Parking

Valet parking is available at the Gaylord Palms Resort for \$20 per day. Self-parking is \$12 per day.

**First we revolutionized  
the ultrasonic tips—**

**Now we  
revolutionized  
the ultrasonic unit!**



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\$499**

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GO ONLINE [WWW.PLASTICENDO.COM](http://WWW.PLASTICENDO.COM) TO PLACE YOUR ORDER**

# registration information

## 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.

Package	Early Fee (by March 25)	Standard Fee
AAE Professional	\$735	\$835
AAE Student	\$125	\$225
AAE Professional Staff	\$170	\$270
AAE Alliance	\$130	\$180
Professional Guest (U.S.)	\$1,305	\$1,405
Professional Guest (Int'l)	\$875	\$975
Student Guest	\$875	\$975
Professional Staff Guest	\$875	\$975
Family/Guest	\$80	\$130

### Registration packages include the following:

**AAE Professional/Student/Professional Staff and Professional/Student/Professional Staff Guest Packages:** Sessions and Exhibits, Welcome Reception, *Celebrate Orlando!*, Opening Session Breakfast, General Assembly Breakfast and Edgar D. Coolidge Luncheon.

**AAE Alliance Package:** Alliance membership dues, Welcome Reception, *Celebrate Orlando!*, Exhibits.

**Family/Guest Package:** Welcome Reception, *Celebrate Orlando!*, Exhibits.

*Please Note: Tickets for all attendees are required for the Golf Outing (page 72), Pre-Session Symposium (page 17), all workshops (page 14), the Louis I. Grossman Memorial Luncheon (page 72), and the AAE Alliance Breakfast and Tour (page 79).*

## Early Registration Discount

The early registration fee will be granted for registrations received by March 25, 2009. 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 March 25, 2009. Registration Forms submitted via mail must be postmarked on or before March 25, 2009.

## Registration Deadlines

Registrations received via fax or postmarked after 11:59 p.m., CST on March 25, 2009, will not be processed. However, you may register online until 11:59 p.m., CST on April 17, 2009. After this date, you must register on site at the AAE Registration and Information desk at the Gaylord Palms Resort and Convention Center during the following days/times:

**Tuesday: 3 – 8 p.m.**

**Wednesday: 7 a.m. – 7 p.m.**

**Thursday: 7 a.m. – 5 p.m.**

**Friday: 7 a.m. – 6 p.m.**

**Saturday: 7 a.m. – 5 p.m.**

## Workshops

To participate in any of the workshops (see page 14 for details), 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 workshop registration was accepted.

## Join the AAE and Save!

AAE members reap substantial savings on their meeting registration. Join the AAE as a member today to be eligible for an AAE Professional, Student or Professional Staff package rate. Applications for membership must be received prior to April 17, 2009, and can be accessed at [www.aae.org/join](http://www.aae.org/join).

## Methods of Registration

Please choose one of the following methods to register for the 2009 Annual Session; full payment must be received with your registration:

### Online: The Fastest, Most Efficient Way to Register!

Members are highly encouraged to register using the AAE online registration system at [www.aae.org/annualsession](http://www.aae.org/annualsession). Benefits include instant confirmation for workshops and other limited attendance activities, and an extended registration date. Visa, Mastercard, American Express and Discover cards accepted.



### 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).



### Mail

You may 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

## Confirmation

If you have an e-mail address on file with the AAE, 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 registration, please call the AAE Headquarters at 800/872-3636 (North America) or 312/266-7255 (International), or send an e-mail to [meetings@aae.org](mailto:meetings@aae.org). Badges and registration materials will be held for you at the on-site registration desk.

## See Who's Registered!

Visit [www.aae.org/annualsession](http://www.aae.org/annualsession) to see a real-time listing of who is registered for this year's Annual Session. Simply choose "Registered Attendee List" from the Quick Links menu on the right-hand side of the page. The complete list of all attendees will appear in alphabetical order by last name and visitors can search using any keyword, such as last name, city, state or country.

## Cancellation Policy

Registrations will be refunded in full if the AAE receives written notification of cancellation by April 24, 2009. The Executive Director will review refund requests made in writing after this date as a result of emergencies or other serious events. Refunds for workshops will not be granted, regardless of the circumstance, after April 24, 2009.

Fax cancellations to the AAE Headquarters at 866/451-9020 (North America) or 312/266-9867 (International), or send an e-mail to [meetings@aae.org](mailto:meetings@aae.org).

<p>DEXITER RUBBER DAM CLAMPS 42 DIFFERENT SIZES \$7.99 EACH BUY 10, GET 10 FREE!</p>	
	<p>GUTTA PERCHA &amp; PAPER POINTS ALL SIZES LIST PRICE \$9.99 BUY ONE @ \$7.99 EACH BUY TEN @ \$3.99 EACH</p>
<p>MANIK-FILE 21mm, 25mm, 31mm ALL SIZES AVAILABLE LIST PRICE \$8.99 BUY 10, GET 10 FREE!</p>	
<p>DEXITER RUBBER DAM CLAMP KIT LIST PRICE \$500 SALE PRICE \$250</p>	<p>SET CONTAINS: 40 RUBBER DAM CLAMPS OF YOUR CHOICE 1 RUBBER DAM PUNCH 1 RUBBER DAM FRAME 1 RUBBER DAM FORCEP 1 RUBBER DAM</p>
<p>FRANKLIN DENTAL SUPPLY 1-800-972-7917 WWW.FRANKLINSUPPLY.COM</p>	
<p>CHECK OTHER PRODUCTS: GATE GLIDDENS, PEESO REAMER, FINGER PLUGGERS, BARBED BROACHES, HI-FILES and more. BUY 10, GET 5 FREE!</p>	

# optional tours

The following optional tours are being managed by Convention Planning Services, Inc. If you have any questions regarding these activities, please contact CPS directly at 800/777-5333, ext.128 (North America) or 407/586-1539 (International).

## Kennedy Space Center



Wednesday, April 29 and  
Saturday, May 2

8:30 a.m. – 4:30 p.m.

On the east coast of Florida, in the heart of a 140,000-acre national wildlife refuge, lies one of America's most important historical landmarks—the Kennedy Space

Center. The center is the birthplace of America's space program and is the only place on Earth where man has launched into space to set foot on the moon. This go-at-your-own pace tour will allow you to experience all that the Kennedy Space Center has to offer.

**\$67 per adult**

**\$56 per child (3-11)**

**Includes transportation and admissions**

## Winter Park



Thursday, April 30

10:30 a.m. – 4:30 p.m.

Spend a peaceful day in this town, which is known for its tree-lined park and quaint brick streets. The tour will begin with a 45-minute scenic, open air boat ride past luxurious homes along beautiful

lakes and canals. Then spend time browsing exclusive boutiques and art galleries filled with one-of-a-kind treasures. The Charles Hosmer Morse Museum of American Association Art, which features the largest collection of Louis C. Tiffany glass in the world, is a must-see.

**\$36 per adult includes transportation and boat ride**

## Airboat Adventure



Friday, May 1

12:30 – 4:30 p.m.

Join this excursion into the seldom-visited heart of natural Florida. Travel by airboat into pristine sections of fresh water marshes and a bald-cypress swamp, home of the Florida alligator, the American bald eagle and a huge assortment of wildlife.

**\$63 per adult**

**\$54 per child (3-11)**

**Includes transportation, airboat tour and eco-guided walk**

## Tour Registration Information

**Online:** Go to the AAE Web site at [www.aae.org/annualsession](http://www.aae.org/annualsession) and select "Optional Tours" from the Quick Links menu.

**Phone:** Call CPS at 800/777-5333, ext. 128 (North America) or 407/586-1539 (International).

**On-Site:** A tour desk will be open on Thursday, April 30 from 10 a.m. – 4 p.m. in the AAE Registration and Information area.

## Tour Policies

Advance registration will be accepted until April 13, 2009; on-site sales are subject to availability. All cancellations must be received by CPS at least 14 days in advance of the scheduled tour. No refunds will be issued for cancellations received less than 14 days before or for no-shows. Tours may be cancelled if minimum ticket sales are not met.

# theme park tickets

Take advantage of discounted theme park ticket rates that can be used anytime during your stay in Orlando. Ticket sales are managed by Convention Planning Services, Inc. Please direct inquiries to CPS at 800/777-5333, ext.128 (North America) or 407/393-6159 (International). Please note, child rates are available for ages 3-9 and all theme parks are approximately 10 minutes from the Gaylord Palms Resort.

## Walt Disney Theme Parks



### Unlimited Admission

Admission to the Magic Kingdom®, Disney-MGM Studios, Epcot®, and Disney's Animal Kingdom®, plus one admission to the Pleasure Island water park.

#### Two-Day

**\$180 adult**  
**\$159 child**

#### Three-Day

**\$240 adult**  
**\$208 child**

#### Four-Day

**\$252 adult**  
**\$218 child**

### Individual Park

Admission each day to either the Magic Kingdom®, Disney-MGM Studios, Epcot® or Disney's Animal Kingdom®, plus one admission to Pleasure Island.

#### Two-Day

**\$132 adult**  
**\$110 child**

#### Three-Day

**\$192 adult**  
**\$160 child**

### After 2 p.m.

Admission to one of the parks each day after 2 p.m. Choose from: Magic Kingdom®, Disney-MGM Studios, Epcot® or Disney's Animal Kingdom®.

#### One-Day

**\$53 adult or child**

#### Two-Day

**\$94 adult or child**

### After 4 p.m.

Admission on one day to either the Magic Kingdom®, Disney-MGM Studios, Epcot® or Disney's Animal Kingdom®.

**\$42 adult or child**



## SeaWorld® Adventure Parks



### One-Day Admission:

**\$60 adult**  
**\$50 child**

### One-Day Admission After Noon:

**\$45 adult**  
**\$33 child**

## Universal Orlando and Islands of Adventure

### Unlimited Admission

Admission into Universal Studios, Islands of Adventure and Universal CityWalk® Clubs for a total of seven consecutive days.

**\$113 Adult**

**\$103 Child**

### One Day/Two Parks

Admission into Universal Studios and Islands of Adventure on the same day.

**\$82 Adult**

**\$72 Child**

### One Park After 2 p.m.

Admission into Universal Studios or Islands of Adventure after 2 p.m.

**\$50 adult or child**

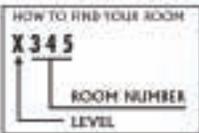
## Ticket Purchase Information

**Online:** Go to the AAE Web Site at

[www.aae.org/annualsession](http://www.aae.org/annualsession) and select "Theme Park Tickets" from the Quick Links menu to make your reservations online. Pre-ordered tickets will be shipped in advance to the billing address provided when the order is placed. The last date to pre-order tickets is April 20, 2009.

**On-Site:** A tour desk will be open on Thursday, April 30 from 10 a.m. – 4 p.m., in the AAE Registration and Information area.

# gaylord palms resort



Wireless internet access available in all guestrooms and hotel atrium areas.

- DIRECTIONS TO:**
- HEMINGWAY AND SANCHEZ BOARDROOMS:** Level 4 via Emerald Bay Elevators: B
  - EMERALD 1-8 MEETING ROOMS:** Lower Level via Emerald Bay Elevators: A
  - CHILD CARE:** Lower Level via Emerald Bay Elevators: B

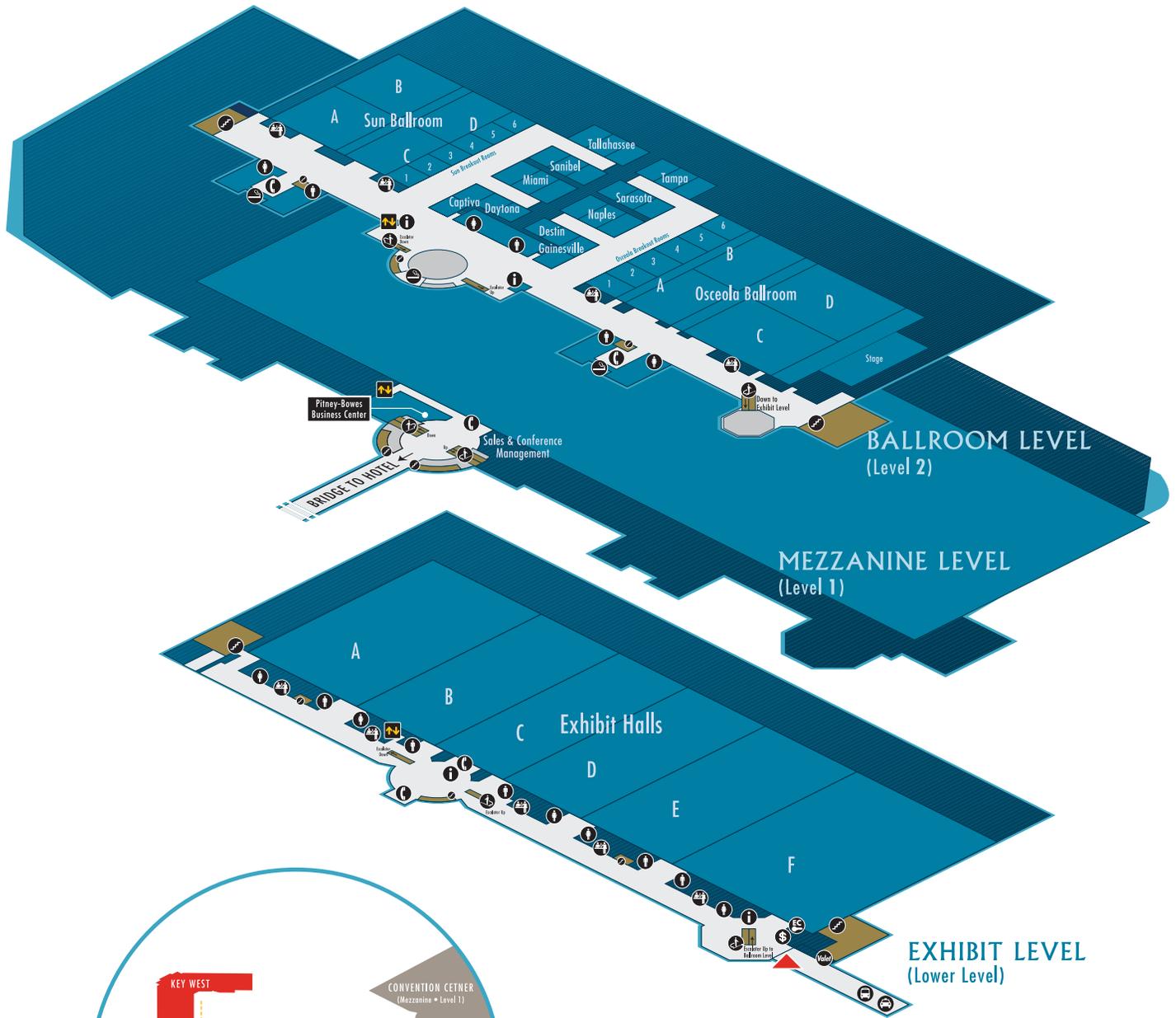
- Convention Center
- Emerald Bay
- Everglades
- Key West
- St. Augustine

▲ Late Night Guest Key Card Entrances

**KEY**

Elevators	Restrooms	Meeting Rooms	Bus	Fitness Center
ATM	Phones	Registration	Taxi	Pool
Restaurants	Information	Guest Laundry	Car Rental	Express Checkout
Cocktails / Bar	Coffee Shop <small>and Café</small>	Ice Cream <small>Melting Shop</small>	Bell Stand	Child Care <small>La Petite Academy® 6th Station</small>
Shopping:	1. Deval Street Trailers	4. Arcade Zone	7. Palm Court	
	2. Splash Zone	5. Marketplace News & Sundries	8. Cherry Gateway	
	3. Deals	6. PGA TOUR shop		

# gaylord palms convention center



### ADDITIONAL MEETING ROOMS IN HOTEL:

- |   |  |
|---|--|
| 1 HEMINGWAY AND SANCHEZ BOARDROOMS:<br>Level 4 via Emerald Bay Elevators <b>B</b> | 3 EMERALD 1-8 MEETING ROOMS:<br>Lower Level via Emerald Bay Elevators <b>A</b> |
| 2 ORANGE BLOSSOM BALLROOM:<br>On St. George Street                                | 4 102 - 108 ST. GEORGE STREET MEETING ROOMS:<br>On St. George Street           |

<b>KEY</b>	elevator	restrooms	bus	conference registration
	escalator	information	taxi	express checkout
	stairs	phones	smoking area	late night guest key card entrances

## Past Presidents

*W. Clyde Davis '43-44	*John R. Pear '56-57	*Warren J. Hedman '69-70	Noah Chivian '82-83	*Philip W. Cohen '95-96
*Ralph F. Sommer '44-45	*George C. Hare '57-58	*John F. Bucher '70-71	Donald E. Arens '83-84	Jerome V. Pisano '96-97
*Robert G. Kesel '45-46	George G. Stewart '58-59	*Dudley H. Glick '71-72	Stephen F. Schwartz '84-85	Denis E. Simon III '97-98
*E.G. Van Valey '46-47	*J. Henry Kaiser '59-60	*I.B. Bender '72-73	*Herbert Schilder '85-86	Carl W. Newton '98-99
*Maynard K. Hine '47-48	*Paul P. Sherwood '60-61	*Charles A. Scott Jr. '73-74	Michael A. Heuer '86-87	Harmon R. Katz '99-00
*Louis I. Grossman '48-49	*Glenn R. Brooks '61-62	*Alfred L. Frank '74-75	Charles J. Cunningham '87-88	James L. Gutmann '00-01
*Elmer A. Jasper '49-50	*Vincent B. Milas '62-63	Robert A. Uchin '75-76	Joseph D. Maggio '88-89	Jeffrey W. Hutter '01-02
*Raymond L. Girardot '50-51	James H. Sherard Jr. '63-64	*Frank B. Trice '76-77	Gerald C. Dietz Sr. '89-90	Samuel O. Dorn '02-03
*George G. Sharp '51-52	*Jacob B. Freedland '64-65	George A. Zurkow '77-78	James C. McGraw '90-91	Mahmoud Torabinejad '03-04
*F. Darl Ostrander '52-53	*Henry S. Schmidt '65-66	*Harry Blechman '78-79	Joseph I. Tenca '91-92	Sandra Madison '04-05
*Laurence A. Lucas '53-54	John I. Ingle '66-67	Paul E. Zeigler '79-80	Stuart B. Fountain '92-93	Marc Balson '05-06
*N. Weir Burkman '54-55	Edwin C. Van Valey '67-68	*Edward M. Osetek '80-81	Eric J. Hovland '93-94	John S. Olmsted '06-07
*Harry J. Healey '55-56	*Samuel S. Patterson '68-69	Henry J. Van Hassel '81-82	*Richard C. Burns '94-95	Shepard S. Goldstein '07-08

## Past Award Winners

### Edgar D. Coolidge Award

\*Edgar D. Coolidge '69  
 \*Harry B. Johnston '70  
 \*Henry A. Bartels '71  
 \*Bertram L. Wolfsohn '74  
 \*Vincent B. Milas '75  
 Worth B. Gregory Jr. '78  
 \*Jacob B. Freedland '80  
 \*Alfred L. Frank '81  
 George G. Stewart '82  
 \*F. Darl Ostrander '83  
 \*Maynard K. Hine '83  
 \*George C. Hare '84  
 \*Irving J. Naidorf '85  
 \*Harry Blechman '86  
 \*I.B. Bender '87  
 \*Dudley H. Glick '88  
 \*Samuel S. Patterson '89  
 Robert A. Uchin '90  
 Michael A. Heuer '91  
 \*Edward M. Osetek '92  
 Harold Gerstein '93  
 Henry J. Van Hassel '93  
 Donald E. Arens '94  
 \*Harold A. Maxmen '94  
 \*Herbert Schilder '95  
 Stuart B. Fountain '96  
 Joseph D. Maggio '97  
 Gerald C. Dietz Sr. '98  
 John I. Ingle '99  
 James C. McGraw '00  
 Charles J. Cunningham '01

\*Richard C. Burns '02

Noah Chivian '03  
 Eric J. Hovland '04  
 \*Philip W. Cohen '05  
 Harmon R. Katz '06  
 Stephen F. Schwartz '07  
 Seymour Oliet '08

### Louis I. Grossman Award

\*Louis I. Grossman '73  
 \*Birger Nygaard-Ostby '76  
 \*I.B. Bender '78  
 \*Samuel Seltzer '80  
 \*Harold R. Stanley '81  
 \*Kaare Langeland '82  
 Henry J. Van Hassel '84  
 \*Melvin Goldman '89  
 Syngcuk Kim '90  
 Calvin D. Torneck '91  
 Henry O. Trowbridge '92  
 Mahmood Torabinejad '93  
 \*Herbert Schilder '96  
 Geoffrey Heithersay '00  
 Richard E. Walton '01  
 Martin Trope '02  
 Franklin S. Weine '03  
 Larz S.W. Spångberg '04  
 James H. Simon '05  
 Leif Tronstad '06  
 Kenneth M. Hargreaves '07  
 Shimon Friedman '08

### I.B. Bender Lifetime Educator Award

Gerald W. Harrington '01  
 \*Raymond G. Luebke '02  
 \*F. James Marshall '03  
 Leif K. Bakland '04  
 William J. Meyers '05  
 Thomas P. Mullaney '06  
 Nijole A. Remeikis '07  
 Arne M. Bjorndal '08

### Ralph F. Sommer Award

Calvin D. Torneck '84  
 \*Alfred L. Frank '85  
 Mahmood Torabinejad '86  
 John I. Ingle '87  
 Leif Tronstad '90  
 Jens O. Andreasen '91  
 \*I.B. Bender '93  
 \*Samuel Seltzer '93  
 Goran Sundqvist '94  
 Gunnar Bergenholtz '96  
 \*Miomir Cvek '03  
 Henry J. Van Hassel '05  
 Harmet D. Walia '05  
 Syngcuk Kim '06

### Edward M. Osetek Educator Award

\*Gordon D. Mattison '95  
 Eric M. Rivera '96  
 Asgeir Sigurdsson '98  
 David E. Witherspoon '99

Roberta Pileggi '00  
 André K. Mickel '01  
 Donna Mattscheck '02  
 Shahrokh Shabahang '03  
 Stephen J. Clark '04  
 Karl Keiser '04  
 Alexandre A.P. Fleury '05  
 Andris Jaunberzins '06  
 John M. Nusstein '06  
 Jarshen Lin '07  
 Anne E. Williamson '08

### Honorary Members

\*Edgar D. Coolidge '48  
 \*W. Clyde Davis '48  
 \*Bernhard Gottlieb '48  
 \*Edward S. Hatton '49  
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# '09 annual session

Orlando, Florida  
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