

# **AAE '08** **annual** **session**

April 9 - 12, 2008

Vancouver, British Columbia, Canada

## **Expanding the World of Endodontics**

### **PROGRAM**



# Winning Combination

Introducing ROOT ZX® II – featuring both a Low Speed Handpiece and the **NEW** LED Curing Light Module.

**FREE  
UPGRADE**

Limited time offer.<sup>1</sup>  
Call for details.



The leader in accuracy, safety and versatility.

As the world's best selling apex locator, Root ZX II has set the industry standard for accuracy and patient safety. Now, Morita has taken this unit one step further with additional instrument versatility. A new Root ZX II module enables the unit to function in any combination of apex locator, low speed handpiece, and LED curing light.

For more information contact your dealer or  
J. Morita USA, Inc. at 888-JMORITA (566-7482).  
Visit our website: [www.jmoritausa.com](http://www.jmoritausa.com).

**Visit the Morita booth  
for a hands-on demo.**

- **96.2% Accuracy Rating<sup>2</sup>**
- **Automatic Calibration**
- **Low Speed Handpiece Option**
- **Easy to Read Screen**
- **NEW LED Curing Light Handpiece Option**  
Highly concentrated for exceptional depth of cure; maintains 80% of power even at 10mm.
- **NEW Auto Torque Slow Down Setting**  
Low speed handpiece feature; file automatically slows as torque load reaches its set limit.

1. Root ZX II Low Speed Handpiece module can be upgraded to the Root ZX II Low Speed Handpiece/LED Curing Light module for a limited time free of charge. LED Handpiece purchase required; restrictions apply. Offer expires June 30, 2008. J. Morita reserves the right to change or cancel this promotion at any time.  
2. Independent study, data on file.

Thinking ahead. Focused on life.

  
**MORITA**



# Vancouver is waiting for you to expand your world of endodontics!

**The AAE Annual Session is the  
largest gathering of endodontic  
professionals from around the world.  
Join us in this perfect setting for:**

**Improving how you Practice.**

Share best practices with your colleagues.

**Accessing the Most up-to-date Information.**

Hear from well-renowned speakers who are  
on the cutting edge of their field.

**Recharging Your Batteries.**

Explore all that the Pacific  
Northwest has to offer.



**Don't miss Dana Carvey  
at the President's Dinner  
on Saturday night!**  
*See page 72 for more information.*

**Register now to be a part of this exciting annual event!**

# AAE Board of Directors



**President**  
Shepard S. Goldstein, D.M.D.  
*Framingham, Mass.*



**President-Elect**  
Louis E. Rossman, D.M.D.  
*Philadelphia, Pa.*



**Vice President**  
Gerald N. Glickman, D.D.S.,  
M.S., M.B.A., J.D.  
*Dallas, Texas*



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



**Treasurer**  
Mitchell H. Davich, D.M.D.  
*Morristown, N.J.*



**Immediate Past President**  
John S. Olmsted, D.D.S., M.S.  
*Greensboro, N.C.*



**Executive Director**  
James M. Drinan, J.D.  
*Chicago, Ill.*

## Editor



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

## District I



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



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

## District II



Gary R. Hartwell, D.D.S., M.S.  
*Newark, N.J.*



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

## District III



Mary T. Pettiette, D.D.S.  
*Pinehurst, N.C.*



Fred L. Sykes, D.D.S.  
*Columbia, S.C.*

## District IV



George T. Goodis, D.D.S.  
*Grosse Pointe, Mich.*



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

## District V



Anthony P. Joyce, D.D.S.  
*Wahiawa, Hawaii*



Karl Keiser, D.D.S., M.S.  
*San Antonio, Texas*

## District VI



David C. Funderburk, D.D.S.,  
M.S.  
*Greeley, Colo.*



James C. Kulild, D.D.S., M.S.  
*Kansas City, Mo.*

## District VII



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



Samuel W. Oglesby, D.D.S., M.A.  
*Los Angeles, Calif.*

# 2008 Annual Session Planning Committee



**General Chair**  
Peter A. Morgan, D.M.D., M.Sc.D.  
*Peabody, Mass.*



**Program Chair**  
Jeffrey W. Hutter, D.M.D., M.Ed.  
*Boston, Mass.*



**Program Vice Chair**  
Alan H. Gluskin, D.D.S.  
*San Francisco, Calif.*



**Immediate Past General Chair**  
Linda G. Levin, D.D.S., Ph.D.  
*Durham, N.C.*



**Professional Staff Chair**  
Bruce C. Justman, D.D.S.  
*Iowa City, Iowa*



**Assistant to the Professional Staff Chair**  
Marci T. Simpson Neary  
*West Des Moines, Iowa*



**Workshop Coordinator**  
David E. Witherspoon, B.D.S., M.S.  
*Plano, Texas*



**Resident and New Practitioner Representative**  
Jessica L. Barr, D.D.S., M.S.  
*Asheville, N.C.*



**Pre-Session Symposium Liaison**  
William T. Johnson, D.D.S., M.S.  
*Iowa City, Iowa*



**Oral and Poster Presentations and Table Clinics Liaison**  
Julian R.D. Moiseiwitsch, B.D.S., Ph.D.  
*Washington, D.C.*

# AAE Foundation Board of Trustees

## Trustees



### President

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



### Vice President

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



### Secretary

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



### Treasurer

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



### Executive Director

James M. Drinan, J.D.  
*Chicago, Ill.*



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



Gerald C. Dietz Jr., D.D.S.  
*Bloomfield Hills, Mich.*



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



Bill Newell  
*Tulsa, Okla.*



Steve Paskin  
*Orange, Calif.*



Gorganna Randolph  
*Cedar Park, Texas*



A. Eddy Skidmore, D.D.S., M.S.  
*Boynton Beach, Fla.*



Maureen L. Swift, D.D.S., M.S.D.  
*Bellevue, Wash.*

## AAE Officers Serving as Trustees



### President

Shepard S. Goldstein, D.M.D.  
*Framingham, Mass.*



### President-Elect

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



### Vice President

Gerald N. Glickman, D.D.S., M.S.,  
M.B.A., J.D.  
*Dallas, Texas*



### Immediate Past President

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

# American Board of Endodontics Board of Directors

## Directors



### President

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



### Secretary

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



### Treasurer

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



Stephen J. Clark, D.M.D.  
*Louisville, Ky.*



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



Alan S. Law, D.D.S., Ph.D.  
*White Bear Lake, Minn.*



Linda G. Levin, D.D.S., Ph.D.  
*Durham, N.C.*



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



Paul A. Rosenberg, D.D.S.  
*New York, N.Y.*



### Counselor

William G. Schindler, D.D.S., M.S.  
*San Antonio, Texas*



# Dear Colleagues,

*Expanding the World of Endodontics.* . . this is a pretty lofty statement but it is something that the American Association of Endodontists strives to do on a regular basis. From small- to large-scale initiatives, there are numerous examples of the Association's dedication to excellence in the art and science of endodontics and the highest standard of patient care. If you are not aware of the plans that have been implemented, what members have been doing on their own or the new ideas on the horizon, we would like to invite you to join us at the 2008 Annual Session in Vancouver.

This meeting is the perfect venue for helping each other to grow through knowledge sharing and a common interest in the growth of the specialty. Set in a world-renowned city that will soon host the 2010 Olympic and Paralympic Winter Games, speakers from around the globe will provide you with the most up-to-date information in our field.

Discover advancements in biological, clinical and technical sciences. Learn to successfully manage pain and anxiety in your patients. Develop a proactive approach that will help keep your practice going in the direction you want it to go, rather than following wherever it takes you.

There is more than 150 hours worth of educational programming from which to choose, sure to meet everyone's needs. In addition to organizing the sessions in the popular track format, we have identified presentations of interest to educators, the endodontic team and residents/new practitioners throughout this program.

The Annual Session is not only a priceless learning experience, but provides an opportunity to explore some of the most beautiful landscapes in the world while connecting with your peers. Vancouver is no exception surrounded by tranquil waters of the bay on one side and towering mountain vistas on the other. Some of the special events will take advantage of this location, with the Fun Run and Walk circling around Stanley Park and the *Celebrate Vancouver!* event at the legendary Commodore Ballroom. Other events that are not to be missed include the Welcome Reception on Wednesday evening; Opening Session on Thursday morning; the Association's annual business meeting at the General Assembly on Friday morning; and, most definitely, the President's Dinner and Entertainment, which closes the meeting on Saturday night featuring Emmy Award-winning comedian Dana Carvey.

We hope that you take advantage of this valuable opportunity to expand your thinking, network with your colleagues, explore the beautiful setting and much, much more. Join us by registering now for the 2008 Annual Session—we hope to see you there!

Sincerely,



Shepard S. Goldstein, D.M.D.  
President



Peter A. Morgan, D.M.D., M.Sc.D.  
General Chair

***P.S. Don't forget to pack your passport!***

# Table of Contents

Schedule At-A-Glance .....	8
Educational Tracks .....	10
Workshops .....	15
Sponsors and Advertisers .....	16
Pre-Session Symposium .....	17
Session Planner .....	20
Educational Sessions .....	23
Exhibits .....	68
Special Events .....	70
Award Winners .....	73
Alumni, Affiliate and Other Functions .....	74
Alliance Activities .....	76
General Information .....	78
Housing and Transportation .....	80
Registration Information .....	82
Optional Tours and Activities .....	84
Pre- and Post-Meeting Activities .....	86
Fairmont Waterfront Hotel Floor Plans .....	87
Vancouver Convention and Exhibition Centre Floor Plans .....	88
In Recognition .....	90
Speaker Index .....	91
Speaker and Moderator Disclosure Statements .....	92
Registration Form .....	93

# Schedule At-A-Glance

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.

Location Key: FW = Fairmont Waterfront, PP = Pan Pacific, VCEC = Vancouver Convention and Exhibition Centre

## Tuesday, April 8

**3 – 8 p.m.**      **Registration and Information**  
Lobby/VCEC

## Wednesday, April 9

**7 – 8 a.m.**      **Continental Breakfast for Pre-Session Symposium/Workshop Attendees**  
Delegate Concourse/VCEC

**7 a.m. – 7 p.m.**      **Registration and Information**  
Lobby/VCEC

**8 a.m. – 5 p.m.**      **Pre-Session Symposium**  
Hall A/VCEC  
  
**Endodontic Microsurgery Workshop**  
Rooms 11-12/VCEC

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

**5:30 – 6:30 p.m.**      **International Reception**  
Ocean View Suites 5-7/PP

**6:30 – 8 p.m.**      **Welcome Reception**  
Lobby Level/PP

## Thursday, April 10

**7 a.m. – 6 p.m.**      **Registration and Information**  
Lobby/VCEC

**8 – 10 a.m.**      **Opening Session Breakfast**  
Hall A/VCEC

**10 – 11 a.m.**      **District Caucuses/VCEC**  
District I – Ballroom A  
District II – Ballroom B  
District III – Ballroom C  
District IV – Room 1  
District V – Rooms 2-3  
District VI – Room 15  
District VII – Room 13

**10 a.m. – 6 p.m.**      **Exhibits Open**  
Halls B-C/VCEC

**10:30 a.m. – noon**      **Oral Research Presentations**  
VCEC

**11 a.m. – noon**      **Affiliate Leadership Meeting**  
Room 1/VCEC

**Noon – 1:30 p.m.**      **Louis I. Grossman Memorial Luncheon**  
Crystal Pavilion/PP

**1:30 – 3 p.m.**      **Educational Sessions and Oral Research Presentations**  
VCEC/FW

**3 – 3:30 p.m.**      **Break**

**3:30 – 5 p.m.**      **Educational Sessions and Oral Research Presentations**  
VCEC and FW

**5 – 6 p.m.**      **Exhibit Hall Happy Hour and Foundation Live Auction**  
Halls B-C/VCEC



# Schedule At-A-Glance

## Friday, April 11

6 a.m.	<b>Fun Run and Walk</b> Main Entrance/PP
6 – 7 a.m.	<b>Yoga</b> Ocean View Suites 5-6/PP
7 a.m. – 5:30 p.m.	<b>Registration and Information</b> Lobby/VCEC
7:30 – 9 a.m.	<b>General Assembly Breakfast</b> Hall A/VCEC
8 a.m. – 5:30 p.m.	<b>Exhibits Open</b> Halls B-C/VCEC
9 a.m. – 12:30 p.m.	<b>Poster Research Presentations and Table Clinics</b> Halls B-C/VCEC
9:15 – 10:45 a.m.	<b>Educational Sessions and Oral Research Presentations</b> VCEC/FW
10:45 – 11 a.m.	<b>Break</b>
11 a.m. – 12:30 p.m.	<b>Educational Sessions and Oral Research Presentations</b> VCEC/FW
12:30 – 1:30 p.m.	<b>Lunch Break</b>
1:30 – 3 p.m.	<b>Educational Sessions and Oral Research Presentations</b> VCEC/FW
3 – 3:30 p.m.	<b>Break</b>
3:30 – 5 p.m.	<b>Educational Sessions and Oral Research Presentations</b> VCEC/FW
5 – 6:30 p.m.	<b>Resident Reception</b> Concourse Level/FW
9 p.m. – midnight	<b>Celebrate Vancouver!</b> Commodore Ballroom 868 Granville St.

## Saturday, April 12

7 – 8 a.m.	<b>Continental Breakfast</b> Delegate Concourse/VCEC
	<b>Yoga</b> Ocean View Suites 5-6/PP
7 a.m. – 5 p.m.	<b>Registration and Information</b> Lobby/VCEC
8 – 9:30 a.m.	<b>Educational Sessions</b> VCEC/FW
8 – 11:30 a.m.	<b>Poster Research Presentations and Table Clinics</b> Halls B-C/VCEC
8 a.m. – 2 p.m.	<b>Exhibits Open</b> Halls B-C/VCEC
9:30 – 10 a.m.	<b>Break</b>
10 – 11:30 a.m.	<b>Educational Sessions</b> VCEC/FW
11:30 a.m. – 1:30 p.m.	<b>Edgar D. Coolidge Luncheon</b> Hall A/VCEC
1:45 – 3:15 p.m.	<b>Educational Sessions</b> VCEC/FW
3:15 – 3:30 p.m.	<b>Break</b>
3:30 – 5 p.m.	<b>Educational Sessions</b> VCEC/FW
6:30 – 7:30 p.m.	<b>AAE Foundation Leadership Donor Reception</b> Cypress Suite/PP
7 – 8 p.m.	<b>President's Dinner Reception</b> Delegate Concourse/VCEC
8 p.m. – midnight	<b>President's Dinner and Entertainment: Featuring Dana Carvey</b> Hall A/VCEC

# 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)



Karl Keiser, D.D.S., M.S.  
*San Antonio, Texas*

The specialty of nonsurgical endodontics has seen incredible changes in 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 the clinician is to remain abreast of these advances and to offer therapy to patients based on the best available evidence. This year's nonsurgical endodontic track was designed to provide a broad spectrum of relevant updates—from diagnosis to final restoration and all points in between. Innovations are highlighted, with presentations that reflect the current scientific discovery process given by speakers who are well-recognized experts in their respective fields.

### Thursday

- NS-100:** Outcomes of Nonsurgical Endodontics Versus Single-Tooth Implants
- NS-101:** Relationships Between Caries, Host Responses and the Clinical Signs and Symptoms of Pulpal Pathosis
- NS-102:** The Art and Science of Endodontic Finishing: What Every Clinician Should Know
- NS-103:** Nonsurgical Endodontic Retreatment
- NS-104:** The Combination of Micro, Bio, Techno and Endo Through the Synergism of Micro-CT, Cone-Beam CT and Microscopy
- NS-105:** Vital Pulp Therapy: As Endodontists, are we Still Involved?
- NS-106:** Retreatment: Can we Manage Better Success?

### Friday

- NS-200:** Effectiveness of Single- Versus Multiple-Visit Endodontic Treatment—Literature Review and Clinical Recommendations
- NS-201:** The Incidence and Ramifications of Instrument Separation
- NS-202:** 3-D Analysis of Root Canal Morphology and its Relationship to Nonsurgical Endodontic Therapy
- NS-203:** Differential Negative Pressure Endodontic Irrigation
- NS-204:** State-of-the-Science in Root Canal Disinfection
- NS-205:** The Evolution of Electronic Working Length Determination
- NS-206:** Current Concepts and Future Challenges in Root Canal Instrumentation
- NS-207:** Feeling the Squeeze? A Critical Review of Root Canal Fillings, Principles and Practices
- NS-208:** Endodontic Disinfection: Tsunami Irrigation

### Saturday

- NS-300:** Avoiding the Injudicious use of Antibiotics or the Bugs may get us in the End
- NS-301:** Regenerative Endodontics: Current State of the Science
- NS-302:** Endodontic Treatment of the Medically Compromised Patient: An Update
- NS-303:** The Endodontic Therapy is Completed—Or is it?
- NS-304:** Will the Treatment be Successful, Doc?
- NS-305:** Biomechanics of Posts and Cores: Tent Stakes and Teeth
- NS-306:** Biofilms in the Infected Root Canal



## Pain Management (P)



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

Optimum pain management has long been a recognized priority by the endodontist. Additionally, the management of anxiety in the endodontic patient is gaining more attention. The ability to successfully manage pain and anxiety in our patients impacts their overall endodontic experience and ultimately shapes the perception of endodontics as a whole.

Well-established and newly emerging mechanisms in pulpal and periradicular pain, along with genetic and psychosocial influences, will be explored. Strategies to optimally utilize local anesthetics, analgesics, anxiolytics and communication skills will be presented.

### Thursday

**P-100:** Physiologic Basis for Development of Pulpal and Periradicular Pain: How it Happens

### Friday

- P-200:** Persistent Pain and Root Canal Treatment: Issues Related to Diagnosis and Treatment
- P-201:** When the Chronic Pain Patient Needs RCT—Management Before, During and After
- P-202:** Anxiolysis for Today's Patients
- P-203:** Airway Management for the Sedated Patient

### Saturday

- P-300:** Pain Management in Medically Complex Dental Patients
- P-301:** Where are we With Local Anesthetics? Types of Solutions for Mandibular Anesthesia, Articaine Update and Intraosseous Anesthesia
- P-302:** Genetic Influences on Acute Pain and Analgesia
- P-303:** Understanding and Managing the Fearful Dental Patient

## Practice Management (PM)



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

The practice management track will walk you through some of the day-to-day trials and tribulations of running a practice. Every practice style will be different. However, a proactive approach will help keep your practice going in the direction you want it to go rather than following wherever it takes you. 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:** How to Distinguish Your Practice: A Strategy for Success
- PM-101:** How to Identify a Practice Location, Types of Practice and Technology
- PM-102:** Associateships: Preparation is the Key!
- PM-103:** Transition Planning for Residents and New Practitioners

### Friday

- PM-200:** Team Spirit and Motivation to Keep you on Track
- PM-201:** Setting the Stage for Success—Invest With Confidence
- PM-202:** How to Run a Well-Tuned Solo Practice
- PM-203:** Wealth Management 101—Planning From the Beginning With the end in Mind

### Saturday

- PM-300:** Maximize Your Endodontic Potential: Management and Marketing Strategies for Ultimate Practice Success
- PM-301:** Effective Marketing, Growing and Maintaining a Group Practice
- PM-302:** Improving Performance by Reducing Stress: A Psychologist's Perspective

# Educational Tracks

## 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 conflict management and financial planning. 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 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 **T**.

### Thursday

---

**PS-100:** Infection Control in Dentistry

### Friday

---

**PS-200:** Financial Planning for Office Staff—How to Build Financial Security

**PS-201:** You Can't Run Your Practice Alone

**PS-202:** Conflict Resolution

### Saturday

---

**PS-300:** Creating Customer Loyalty Through Customer Service Excellence

**PS-301:** Dietary Supplements and Dentistry: Complimentary or Conflicting?

**PS-302:** Reporting Endodontic Procedures Through Dental Codes

## Submitted Presentations (SP)



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

The Submitted Presentations track is comprised of sessions selected from member response to the Annual Session Committee's Call for Presentations. Many of these sessions are limited to 45 minutes in an effort to provide a variety of topics throughout the three days of programming. Where possible, the topics have been linked by themes in order to provide the attendee the speakers and issues with the broadest range of interest and content.

### Thursday

---

**SP-100:** Why Aren't Endodontists Doing Implants?  
Successful Implant Therapy After Tooth Extraction

**SP-101:** Grant Support—In My School?!  
Fund Raising in the Education Environment—How About an Endowed Chair?

**SP-102:** The Endodontist as Implant Surgeon  
The Contemporary Endodontist: The Implantologist and Implant Technique

**SP-103:** Endodontic Irrigation via Apical Negative Pressure—Safety, Efficacy and Clinical Techniques

### Friday

---

**SP-200:** Navigating the *JOE* and Reviewing a Scientific Paper

**SP-201:** Outcome of Endodontic Treatment: Perceptions Versus Reality  
Clinical Interventions for Promoting Periradicular Bone Regeneration

**SP-202:** ABE Boardwalk

**SP-203:** Using PowerPoint® for Endodontic Education

**SP-204:** When Microsurgery Could be Your Best Approach for Failed Endodontic Treatment  
Bone Grafting for the Endodontist: When, How and Why?

**SP-205:** The Often Forgotten Part of Endodontics  
Coronal Leakage: Much Ado About Nothing?

**SP-206:** Resident and New Practitioner Career Fair

**SP-207:** Educator Forum—Private Practice to Academics: The Endodontist and the University



## Saturday

- SP-300:** A New Era for NiTi Rotary Instrumentation: Improving the Alloy  
A New Era for NiTi Rotary Instrumentation: Anatomical Considerations of Canal Preparation Objectives
- SP-301:** Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale  
Challenges in Dealing With Separated Instruments During Root Canal Treatment
- SP-302:** Endodontic Management of Immature Teeth—Conservation of Stem Cells for Regeneration  
Novel Strategies to Enhance Function, Survival and Regeneration of Pulp
- SP-303:** Piezosurgery in Endodontics
- SP-304:** Integration of a Family of Intracanal NiTi Instruments for Predictable Outcomes  
Integrating Plastic Rotary Files and Ultrasonic Tips Into Your Conventional Endodontic Treatment
- SP-305:** Does Size Matter?  
Apical Preparation: Does Size Really Matter?
- SP-306:** Truth or Dare? Managing Patients With Reported Allergies to Materials Commonly Used in Endodontic Therapy  
Maxillary Sinusitis Versus Odontalgia—Diagnosis and Management of Maxillary Pain
- SP-307:** Rapid-Flow Gutta-Percha Root Canal Filling Technique  
Computer Simulations—Using Technology in Endodontic Education
- SP-308:** Revolutionary Advances in MTA Technology and Clinical Application  
The Coronal Seal Revisited
- SP-309:** Is Calcium Hydroxide Still Necessary in the Management of Cases With Lesions?  
Biofilm in Endodontic Infections
- SP-310:** Passive Ultrasonic Irrigation of the Root Canal: A Review and New Findings  
Magnification and Illumination: A Synergistic Approach in Endodontics
- SP-311:** Rapid-Flow Gutta-Percha Root Canal Filling Technique Workshop

- SP-312:** Long-Term Radiographic and Histological Observation of Healing of Periapical Lesion Following Conventional Endodontic Therapy  
Can Inflammatory Apical Cysts Heal After Endodontic Therapy?
- SP-313:** Locating and Using Electronic Endodontic Evidence  
Root Canal Length Measurement—Efficiently, Effectively. . . Electronically!

## Surgical Endodontics (S)



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

The Surgical Endodontics track balances traditional endodontic microsurgery with the emerging interest of incorporating endosseous implants into contemporary endodontic practice. Hands-on instruction in both disciplines is offered on different days to afford the practitioner the opportunity to participate. Live surgery will again be broadcast from the University of Pennsylvania Dental School to the convention center during the morning and afternoon on Friday.

## Wednesday

- S-1:** Endodontic Microsurgery

## Thursday

- S-100:** Microsurgical Endodontics Reconsidered in Three Dimensions
- S-101:** Implants in Endodontic Practice: To be or not to be. . .
- S-102:** Effective Strategies for Combating the Growing Trend in Dental Schools of Unnecessary Extraction/Implant Placement Versus Endodontic Treatment

## Friday

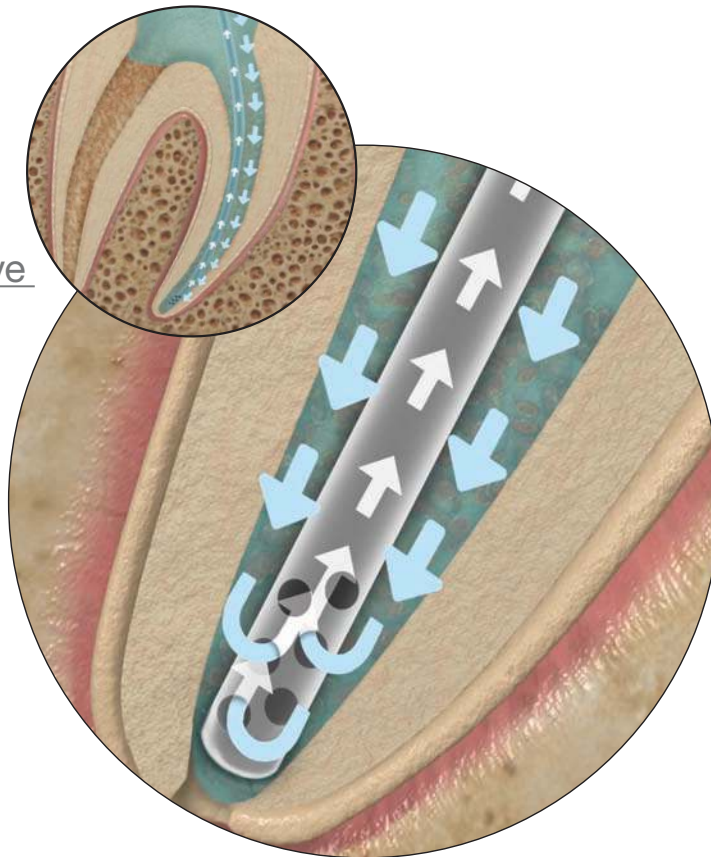
- S-200:** Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area
- S-201:** Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation

# Master the Apical 3rd

Visit us at the  
Smart Endodontics Booth

Discover Smart Endodontics, featuring EndoVac®, the first & only true apical negative pressure irrigation system.

Smart Endodontics, changing the way you think about root canals... forever!



## EndoVac®

Visit our Booth to learn about the complete Smart Endodontics platform.

### LightSpeedLSX™



**Non-Tapered. Safe. Predictable.**  
LSX instruments thoroughly clean and shape the apical third while preserving coronal and mid-root structure.

### EndoPAL™



**Powerful and Long-Lasting.**  
The cordless EndoPAL handpiece delivers optimal speed and torque for LSX instrumentation.

### SimpliFill®



**The Ideal Apical Seal.**  
Each 5mm SimpliFill Apical Plug perfectly fits its corresponding LSX preparation size. Optimized by design and available in Gutta Percha & Resilon™.

### HotShot™



**Cordless. Clean. Thermoprotected.**  
Maximize your degrees of freedom with HotShot – the ultimate in backfill obturation.

**Smart™**  
ENDODONTICS

DISCUS DENTAL®

[www.discusdental.com/endo](http://www.discusdental.com/endo)



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

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

## 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

**1:30 – 5 p.m.**

### **NS-103: Nonsurgical Endodontic Retreatment**

Michiel J.H. de Cleen, D.D.S.

Ronald Fransman, D.D.S.

Marga H. Ree, D.D.S., M.Sc.

*Track: Nonsurgical Endodontics*

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

See page 25 for a complete session synopsis.

## Friday

**9:15 a.m. – 12:30 p.m.**

### **NS-203: Differential Negative Pressure Endodontic Irrigation**

G. John Schoeffel, D.D.S., M.M.S.

*Track: Nonsurgical Endodontics*

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

See page 35 for a complete session synopsis.

## Friday (cont.)

**9:15 a.m. – 5 p.m.**

### **S-201: Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation**

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

*Track: Surgical Endodontics*

*Fee: \$800 early/\$850 standard*

See page 37 for a complete session synopsis.

**1:30 – 5 p.m.**

### **NS-208: Endodontic Disinfection: Tsunami Irrigation**

Clifford J. Ruddle, D.D.S.

Robert H. Sharp, D.D.S.

*Track: Nonsurgical Endodontics*

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

See page 43 for a complete session synopsis.

## Saturday

**8 – 11:30 a.m.**

### **SP-303: Piezosurgery in Endodontics**

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

*Track: Submitted Presentations*

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

See page 54 for a complete session synopsis.

**1:45 – 5 p.m.**

### **SP-311: Rapid-Flow Gutta-Percha Root Canal Filling Technique**

Jay Marlin, D.M.D.

*Track: Submitted Presentations*

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

See page 64 for a complete session synopsis.

# Sponsors and Advertisers

The American Association of Endodontists appreciates the cooperation of the following companies that have generously supported the 2008 Annual Session. Please show your appreciation by visiting their booths in the exhibit hall and/or contacting their representatives after the meeting.



## **Dentsply Tulsa Dental Specialties**

**Diamond Sponsor**

*Celebrate Vancouver!*



## **Smart Endodontics by Discus Dental**

**Diamond Sponsor**

President's Dinner Entertainment, Endo-Mail Kiosks



## **Dentsply International**

**Platinum Sponsor**

Resident Awards and Edgar D. Coolidge Luncheon



## **Nobel Biocare**

**Platinum Sponsor**

Live Surgical Broadcast, Registration Bags,  
Name Badge Wallet, Notebooks/Pens



## **Obtura/Spartan**

**Silver Sponsor**

Live Surgical Broadcast



## **SybronEndo**

**Silver Sponsor**

Foundation Leadership Donor Reception



## **Treloar & Heisel, Inc.**

**Silver Sponsor**

Resident Reception

**Advertisers:** J. Morita USA, Nobel Biocare, Plastic Endo, LLC

# Pre-Session Symposium

## Emerging Strategies in the Management of Post-Treatment Endodontic Disease

Hall AVCEC

Moderator: William T. Johnson, D.D.S., M.S.  
Iowa City, Iowa

### Schedule

<b>7 – 8 a.m.</b>	Continental Breakfast	<b>Noon – 1 p.m.</b>	Lunch
<b>8 – 8:15 a.m.</b>	Welcome	<b>1 – 2 p.m.</b>	Emerging Strategies to Deal With Periapical Disease: Real Cases and What Worked—CT Scan/Retreatment Success
<b>8:15 – 9 a.m.</b>	Consequences of and Strategies to Deal With Residual Post-Treatment Root Canal Disease	<b>2 – 3 p.m.</b>	Emerging Strategies to Deal With Periapical Disease: Real Cases and What Worked—Up-to-Date Outcome Studies Retreatment and Implants
<b>9 – 9:45 a.m.</b>	A Realistic Clinical Perspective on Treatment Outcomes	<b>3 – 3:30 p.m.</b>	Break
<b>9:45 – 10:30 a.m.</b>	Point/Counterpoint—A Panel Discussion on Assessing Treatment Outcomes and Defining Success	<b>3:30 – 4:30 p.m.</b>	It's Alive! Revascularization Update
<b>10:30 – 11 a.m.</b>	Break	<b>4:30 – 5 p.m.</b>	Question-and-Answer Session
<b>11 a.m. – noon</b>	Changing Views of Endodontic Infections and Systemic Interactions		

### Fees

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

	Early (by March 5)	Standard
AAE Professional:	\$380	\$430
AAE Student:	\$85	\$135
AAE Professional Staff:	\$105	\$155
Professional Guest (U.S.):	\$780	\$830
Professional Guest (Int'l):	\$440	\$490
Student Guest:	\$440	\$490
Professional Staff Guest:	\$440	\$490

#### Available CE Units: 7

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 8, between 3 and 8 p.m., and on Wednesday, April 9, between 7 and 8 a.m. at the Vancouver Convention and Exhibition Centre. 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.



# Pre-Session Symposium

## Consequences of and Strategies to Deal With Residual Post-Treatment Root Canal Disease



Paul R. Wesselink, D.D.S.  
*Amsterdam, Netherlands*

Generally, the outcome of endodontic treatment is evaluated by radiographic criteria. These do not correlate well with the presence or absence of inflammation, as only defects of cortical bone are seen. This may result in an exaggerated success rate for endodontic treatment. The presence of inflammation after endodontic treatment is a common fact. The impact of post-treatment infection and inflammation on the host system will be discussed.

At conclusion, participants should be able to:

- List the major limitations on assessing the outcome of endodontic treatment.
- Describe the consequences of post-treatment endodontic disease on the host system.
- Apply this knowledge towards the determination of retreatment or surgical treatment.



## A Realistic Clinical Perspective on Treatment Outcomes



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

Endodontic treatment is very predictable, provided proven techniques are used. Histological evaluation of periapical tissues following treatment may not reveal a “perfect result” as some inflammatory cells and/or scar tissue may persist. While this may not be the most desirable result, clinicians should question what this means for individual patients. Clinical outcome studies demonstrate that endodontically treated teeth can survive for many years after treatment. An evaluation of the literature from a realistic clinical perspective is essential.

At conclusion, participants should be able to:

- Understand the limitations of endodontic treatment.
- Identify how to evaluate teeth for further treatment.
- Assess the literature to determine the clinical realities of information that can be obtained from studies.

## Changing Views of Endodontic Infections and Systemic Interactions



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

Following a short introduction to the updated etiology and pathogenesis of endodontic infections, this presentation will focus on endodontic (and other oral) infections to the periapical and to other parts of the body. A comparative analysis of the impact on systemic interactions by endodontic and other oral infections will be presented. The effects on treatment decisions will be discussed.

At conclusion, participants should be able to:

- Describe the etiology and pathogenesis of endodontic infections.
- Describe the possibility and mechanisms of local and systemic interactions of an endodontic infection.
- Apply this knowledge in treatment planning and treatment.

## Emerging Strategies to Deal With Periapical Disease: Real Cases and What Worked—CT Scan/Retreatment Success



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

This session will focus on the anatomical factors that contribute to difficulties in resolving periapical disease; subtle clinical indicators that point to many of these variations; and emerging endodontic technology and how this new technology can contribute to improved clinical success.

At conclusion, participants should be able to:

- Describe many of the anatomical variations that contribute to post-treatment periapical disease.
- Discuss how to detect these variations.
- Discuss various emerging treatment strategies for dealing with these anatomical variations and how they can improve chances of successful treatment.

## Emerging Strategies to Deal With Periapical Disease: Real Cases and What Worked—Up-to-Date Outcome Studies Retreatment and Implants



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

This presentation will take the practitioner from the success and survival rates of single-tooth implants and root canal retreatment through treatment planning for a case with apical periodontitis. Topics to be discussed include a review of the different variables that affect the outcome of surgical and nonsurgical root canal retreatment and single-tooth implants. The pros and cons for surgical and nonsurgical retreatment or use of single-tooth implants in cases with post-treatment apical periodontitis will be discussed.

At conclusion, participants should be able to:

- Compare and contrast the success and survival rates of single-tooth implants and endodontically retreated and restored teeth.

- Describe the different variables that affect the outcome of root canal retreatment and single-tooth implants.
- Apply this knowledge toward treatment planning for a case with post-treatment apical periodontitis.

## It's Alive! Revascularization Update



Alan S. Law, D.D.S., Ph.D.  
*White Bear Lake, Minn.*

This presentation will introduce the AAE's strategic plan as it relates to regenerative endodontics. Describe revascularization and the AAE revascularization database, and summarize the preliminary findings from the revascularization database.

At conclusion, participants should be able to:

- Identify AAE objectives related to regenerative endodontics.
- Describe revascularization.
- Submit a revascularization case to the AAE database.

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

#### 2007-2008 Members

William T. Johnson, D.D.S., M.S., chair

Richard I. Herman, D.D.S.

Spencer P. Hinckley, D.D.S., student

Brian D. Jafine, D.D.S.

W. Craig Noblett, D.D.S., M.S.

Hedley Rakusin, B.D.S., M.Sc.

Kenneth J. Zucker, D.D.S., M.S.,  
ADA CERP representative

Gary R. Hartwell, D.D.S., M.S., Board liaison

# Session Planner

## Track Key

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

## Wednesday

**8 a.m. – 5 p.m.**

(See pages 18-19 and 23 for complete session synopses)

- **PSS:** Emerging Strategies in the Management of Post-Treatment Endodontic Disease (*P. Abbott, M. Haapasalo, E. Herbranson, M. Iqbal, A. Lau, P. Wesselink*)
- **S-1:** Endodontic Microsurgery (*R. Rubinstein*)

## Thursday

**1:30 – 3 p.m.**

(See pages 24-28 for complete session synopses)

- **NS-100:** Outcomes of Nonsurgical Endodontics Versus Single-Tooth Implants (*M. Iqbal*)
- **NS-101:** Relationships Between Caries, Host Responses and the Clinical Signs and Symptoms of Pulpal Pathosis (*F. Liewehr*)
- **NS-102:** The Art and Science of Endodontic Finishing: What Every Clinician Should Know (*J. West*)
- **NS-103:** Nonsurgical Endodontic Retreatment (*M. de Cleen, R. Fransman, M. Ree*)
- **P-100:** Physiologic Basis for Development of Pulpal and Periradicular Pain: How it Happens (*A. Khan*)
- **PM-100:** How to Distinguish Your Practice: A Strategy for Success (*M. Levin*)
- **PM-101:** How to Identify a Practice Location, Types of Practice and Technology (*M. Brock*)
- **PS-100:** Infection Control in Dentistry (*C. Kleinegger*)
- **SP-100:** Why Aren't Endodontists Doing Implants? (*P. Mancia, 1:30 – 2:15 p.m.*)  
 Successful Implant Therapy After Tooth Extraction (*E. Merino, 2:15 – 3 p.m.*)
- **SP-101:** Grant Support—In My School?! (*K. Hargreaves, 1:30 – 2:15 p.m.*)  
 Fund Raising in the Education Environment—How About an Endowed Chair? (*P. Eleazer, A. Gluskin, K. Krell, 2:15 – 3 p.m.*)
- **S-100:** Microsurgical Endodontics Reconsidered in Three-Dimensions (*G. Bruder*)

## Thursday (cont.)

**3:30 – 5 p.m.**

(See pages 29-33 for complete session synopses)

- **NS-103 continued:** Nonsurgical Endodontic Retreatment (*M. de Cleen, R. Fransman, M. Ree*)
- **NS-104:** The Combination of Micro, Bio, Techno and Endo Through the Synergism of Micro-CT, Cone-Beam CT and Microscopy (*P. Lambrechts*)
- **NS-105:** Vital Pulp Therapy: As Endodontists, are we Still Involved? (*G. Bogen*)
- **NS-106:** Retreatment: Can we Manage Better Success? (*R. Wong*)
- **PM-102:** Associateships: Preparation is the Key! (*T. Propper*)
- **PM-103:** Transition Planning for Residents and New Practitioners (*P. Sletten*)
- **PS-100 continued:** Infection Control in Dentistry (*C. Kleinegger*)
- **SP-102:** The Endodontist as Implant Surgeon (*S. Buchanan, 3:30 – 4:15 p.m.*)  
 The Contemporary Endodontist: The Implantologist and Implant Technique (*R. Kiser II, 4:15 – 5 p.m.*)
- **SP-103:** Endodontic Irrigation via Apical Negative Pressure—Safety, Efficacy and Clinical Techniques (*J. Schoeffel*)
- **S-101:** Implants in Endodontic Practice: To be or not to be... (*S. Niemczyk, R. Roda*)
- **S-102:** Effective Strategies for Combating the Growing Trend in Dental Schools of Unnecessary Extraction/Implant Placement Versus Endodontic Treatment (*S. Chogle, M. Iqbal, J. Nusstein, E. Rivera, M. Torabinejad*)

## Friday

**9:15 – 10:45 a.m.**

(See pages 34-37 for complete session synopses)

- **NS-200:** Effectiveness of Single- Versus Multiple-Visit Endodontic Treatment—Literature Review and Clinical Recommendations (*N. Cohenca*)
- **NS-201:** The Incidence and Ramifications of Instrument Separation (*H. Meser*)
- **NS-202:** 3-D Analysis of Root Canal Morphology and its Relationship to Nonsurgical Endodontic Therapy (*E. Herbranson*)
- **NS-203:** Differential Negative Pressure Endodontic Irrigation (*J. Schoeffel*)
- **P-200:** Persistent Pain and Root Canal Treatment: Issues Related to Diagnosis and Treatment (*A. Lau, D. Nixdorf*)
- **PM-200:** Team Spirit and Motivation to Keep you on Track (*A. Jupp*)
- **PS-200:** Financial Planning for Office Staff—How to Build Financial Security (*J. Meehan*)

## Friday (cont.)

**9:15 – 10:45 a.m. (cont.)**

(See pages 34-37 for complete session synopses)

- **SP-200:** Navigating the JOE and Reviewing a Scientific Paper (*F. Barnett*)
- **S-200:** Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area (*S. Kim, S. Kratchman*)
- **S-201:** Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation (*J. Timmin*)

**11 a.m. – 12:30 p.m.**

(See pages 38-41 for complete session synopses)

- **NS-203 continued:** Differential Negative Pressure Endodontic Irrigation (*J. Schoeffel*)
- **NS-204:** State-of-the-Science in Root Canal Disinfection (*C. Sedgley*)
- **NS-205:** The Evolution of Electronic Working Length Determination (*M. Nekooifar*)
- **P-201:** When the Chronic Pain Patient Needs RCT—Management Before, During and After (*K. Reid*)
- **PS-201:** You Can't Run Your Practice Alone (*A. Jupp*)
- **SP-201:** Outcome of Endodontic Treatment: Perceptions Versus Reality (*I. Rotstein, 11 – 11:45 a.m.*)  
 Clinical Interventions for Promoting Periradicular Bone Regeneration (*J. He, 11:45 a.m. – 12:30 p.m.*)
- **SP-202:** ABE Boardwalk (*C. Baumgartner*)
- **SP-203:** Using PowerPoint® for Endodontic Education (*E. Herbranson*)
- **S-200 continued:** Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area (*S. Kim, S. Kratchman*)
- **S-201 continued:** Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation (*J. Timmin*)

**1:30 – 3 p.m.**

(See pages 42-46 for complete session synopses)

- **NS-206:** Current Concepts and Future Challenges in Root Canal Instrumentation (*O. Peters*)
- **NS-207:** Feeling the Squeeze? A Critical Review of Root Canal Fillings, Principles and Practices (*J. Whitworth*)
- **NS-208:** Endodontic Disinfection: Tsunami Irrigation (*C. Ruddle, R. Sharp*)
- **P-202:** Anxiolysis for Today's Patients (*A. Feck, M. Silverman*)
- **PM-201:** Setting the Stage for Success—Invest With Confidence (*J. Meehan*)
- **PS-202:** Conflict Resolution (*K. McClure*)



## Friday (cont.)

### 1:30 – 3 p.m. (cont.)

(See pages 42–46 for complete session synopses)

- ❑ **SP-204:** When Microsurgery Could be Your Best Approach for Failed Endodontic Treatment (*R. Kasem, 1:30 – 2:15 p.m.*)  
Bone Grafting for the Endodontist: When, How and Why? (*J. Stroumza, 2:15 – 3 p.m.*)
- ❑ **SP-205:** The Often Forgotten Part of Endodontics (*P. Abbott, 1:30 – 2:15 p.m.*)  
Coronal Leakage: Much Ado About Nothing? (*M. Desrosiers, 2:15 – 3 p.m.*)
- ❑ **S-200 continued:** Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area (*S. Kim, S. Kratchman*)
- ❑ **S-201 continued:** Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation (*J. Timmin*)

### 3:30 – 5 p.m.

(See pages 47–49 for complete session synopses)

- ❑ **NS-208 continued:** Endodontic Disinfection: Tsunami Irrigation (*C. Ruddle, R. Sharp*)
- ❑ **P-203:** Airway Management for the Sedated Patient (*A. Feck, M. Silverman*)
- ❑ **PM-202:** How to Run a Well-Tuned Solo Practice (*A. Bradley, T. Gillen, R. Goldberg*)
- ❑ **PM-203:** Wealth Management 101—Planning From the Beginning With the end in Mind (*J. Meehan*)
- ❑ **PS-202 continued:** Conflict Resolution (*K. McClure*)
- ❑ **SP-206:** Resident and New Practitioner Career Fair (*J. McIntyre*)
- ❑ **SP-207:** Educator Forum—Private Practice to Academics: The Endodontist and the University (*H. Goodis*)
- ❑ **S-200 continued:** Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area (*S. Kim, S. Kratchman*)
- ❑ **S-201 continued:** Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation (*J. Timmin*)
- ❑ **Software User Group Meetings:** (*EndoVision, PBS Endo and TDO*)

## Saturday

### 8 – 9:30 a.m.

(See pages 50–54 for complete session synopses)

- ❑ **NS-300:** Avoiding the Injudicious use of Antibiotics or the Bugs may get us in the End (*T. Pallasch*)
- ❑ **P-300:** Pain Management in Medically Complex Dental Patients (*K. Baker*)
- ❑ **PM-300:** Maximize Your Endodontic Potential: Management and Marketing Strategies for Ultimate Practice Success (*R. Levin*)

## Saturday (cont.)

### 8 – 9:30 a.m. (cont.)

(See pages 50–54 for complete session synopses)

- ❑ **PS-300:** Creating Customer Loyalty Through Customer Service Excellence (*J. Peck*)
- ❑ **SP-300:** A New Era for NiTi Rotary Instrumentation: Improving the Alloy (*G. Gambarini, 8 – 8:45 a.m.*)  
A New Era for NiTi Rotary Instrumentation: Anatomical Considerations of Canal Preparation Objectives (*M. Garala, 8:45 – 9:30 a.m.*)
- ❑ **SP-301:** Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale (*M. Fayad, 8 – 8:45 a.m.*)  
Challenges in Dealing With Separated Instruments During Root Canal Treatment (*L. Ang, 8:45 – 9:30 a.m.*)
- ❑ **SP-302:** Endodontic Management of Immature Teeth—Conservation of Stem Cells for Regeneration (*G. Huang, 8 – 8:45 a.m.*)  
Novel Strategies to Enhance Function, Survival and Regeneration of Pulp (*A. Jewett, 8:45 – 9:30 a.m.*)
- ❑ **SP-303:** Piezosurgery in Endodontics (*J. Wallace*)

### 10 – 11:30 a.m.

(See pages 55–59 for complete session synopses)

- ❑ **NS-301:** Regenerative Endodontics: Current State of the Science (*K. Hargreaves*)
- ❑ **NS-302:** Endodontic Treatment of the Medically Compromised Patient: An Update (*G. Terezhalmay*)
- ❑ **P-301:** Where are we With Local Anesthetics? Types of Solutions for Mandibular Anesthesia, Articaine Update and Intraosseous Anesthesia (*A. Reader*)
- ❑ **PM-300 continued:** Maximize Your Endodontic Potential: Management and Marketing Strategies for Ultimate Practice Success (*R. Levin*)
- ❑ **SP-303 continued:** Piezosurgery in Endodontics (*J. Wallace*)
- ❑ **SP-304:** Intergration of a Family of Intracanal NiTi Instruments for Predictable Outcomes (*J. Gutmann, 10 – 10:45 a.m.*)  
Integrating Plastic Rotary Files and Ultrasonic Tips Into Your Conventional Endodontic Treatment (*J. Bahcall, 10:45 – 11:30 a.m.*)
- ❑ **SP-305:** Does Size Matter? (*R. Bellamy, 10 – 10:45 a.m.*)  
Apical Preparation: Does Size Really Matter? (*M. Marmo, 10:45 – 11:30 a.m.*)
- ❑ **SP-306:** Truth or Dare? Managing Patients With Reported Allergies to Materials Commonly Used in Endodontic Therapy (*B. Johnson, 10 – 10:45 a.m.*)  
Maxillary Sinusitis Versus Odontalgia—Diagnosis and Management of Maxillary Pain (*R. Tataryn, 10:45 – 11:30 a.m.*)
- ❑ **SP-307:** Rapid-Flow Gutta-Percha Root Canal Filling Technique (*J. Marlin, 10 – 10:45 a.m.*)  
Computer Simulations—Using Technology in Endodontic Education (*A. Fouad, 10:45 – 11:30 a.m.*)

## Saturday (cont.)

### 1:45 – 3:15 p.m.

(See pages 59–64 for complete session synopses)

- ❑ **NS-303:** The Endodontic Therapy is Completed—Or is It? (*J. Robbins*)
- ❑ **NS-304:** Will the Treatment be Successful, Doc? (*S. Friedman*)
- ❑ **P-302:** Genetic Influences on Acute Pain and Analgesia (*R. Dionne*)
- ❑ **PM-301:** Effective Marketing, Growing and Maintaining a Group Practice (*K. Coury, M. Garala, J. Olmsted*)
- ❑ **PS-301:** Dietary Supplements and Dentistry: Complimentary or Conflicting? (*K. Baker*)
- ❑ **PS-302:** Reporting Endodontic Procedures Through Dental Codes (*M. Kusinski, K. McLachlan, W. Powell*)
- ❑ **SP-308:** Revolutionary Advances in MTA Technology and Clinical Application (*J. Gutmann, 1:45 – 2:30 p.m.*)  
The Coronal Seal Revisited (*R. Wong, 2:30 – 3:15 p.m.*)
- ❑ **SP-309:** Is Calcium Hydroxide Still Necessary in the Management of Cases With Lesions? (*A. Fouad, 1:45 – 2:30 p.m.*)  
Biofilm in Endodontic Infections (*L. Chávez de Paz, 2:30 – 3:15 p.m.*)
- ❑ **SP-310:** Passive Ultrasonic Irrigation of the Root Canal: A Review and New Findings (*L. van der Sluis, 1:45 – 2:30 p.m.*)  
Magnification and Illumination: A Synergistic Approach in Endodontics (*J. Schweizer, 2:30 – 3:15 p.m.*)
- ❑ **SP-311:** Rapid-Flow Gutta-Percha Root Canal Filling Technique Workshop (*J. Marlin*)

### 3:30 – 5 p.m.

(See pages 64–67 for complete session synopses)

- ❑ **NS-305:** Biomechanics of Posts and Cores: Tent Stakes and Teeth (*S. Haney*)
- ❑ **NS-306:** Biofilms in the Infected Root Canal (*W. Costerton*)
- ❑ **P-303:** Understanding and Managing the Fearful Dental Patient (*H. Logan*)
- ❑ **PM-302:** Improving Performance by Reducing Stress: A Psychologist's Perspective (*B. Bernstein*)
- ❑ **PS-301 continued:** Dietary Supplements and Dentistry: Complimentary or Conflicting? (*K. Baker*)
- ❑ **SP-311 continued:** Rapid-Flow Gutta-Percha Root Canal Filling Technique Workshop (*J. Marlin*)
- ❑ **SP-312:** Long-Term Radiographic and Histological Observation of Healing of Periapical Lesion Following Conventional Endodontic Therapy (*A. Khayat, 3:30 – 4:15 p.m.*)  
Can Inflammatory Apical Cysts Heal After Endodontic Therapy? (*L. Lin, 4:15 – 5 p.m.*)
- ❑ **SP-313:** Locating and Using Electronic Endodontic Evidence (*M. Hoen, 3:30 – 4:15 p.m.*)  
Root Canal Length Measurement—Efficiently, Effectively... Electronically! (*S. Weeks, 4:15 – 5 p.m.*)

AS SERIOUS ABOUT PERFORMANCE AS YOU ARE.

GT<sup>®</sup>SERIES

ROTARY FILES

with M-WIRE<sup>™</sup> NiTi

**STRENGTH.**

*Greater resistance to breakage/cyclic fatigue.*

**SPEED.**

*Faster shaping with fewer files.*

**SAFETY.**

*Greater respect of the true canal path.*



Now, for the first time, a rotary shaping instrument delivers all three benefits endodontists want most: resistance to cyclic fatigue, efficiency and safety. With a sleeker core diameter, variable radial lands and flexible M-Wire NiTi technology, new GT Series X files lead the pack with a whole new dimension of performance.

*Designed by Dr. L. Stephen Buchanan*

**FEATURING NEW**

  
**m-wire<sup>™</sup>**  
nickel titanium



See Directions For Use For Dental Use Only Rx only

Manufactured in the U.S. under one or more U.S. patent nos.: 5,897,316; 5,921,775; 5,842,861; 5,655,950; 5,762,541; 5,628,674; 5,527,205; 5,941,760; 5,464,362; 6,106,296; 5,836,764; 4,758,156; 4,894,011; 5,089,183; 5,098,298; 5,118,297; 5,149,268; 5,833,457; 5,088,927; 5,236,361; 5,636,991; 5,947,659; 5,409,377; 5,236,361; 5,636,991; 5,947,659; 5,409,377. Other U.S. & foreign patents pending. U.S. federal law restricts this device to sale by or on the order of a dentist. © 2007 DENTSPLY International, Inc. ADGTX1 10/07

**DENTSPLY**  
**TULSA DENTAL**  
**SPECIALTIES**

Endodontics & Implants

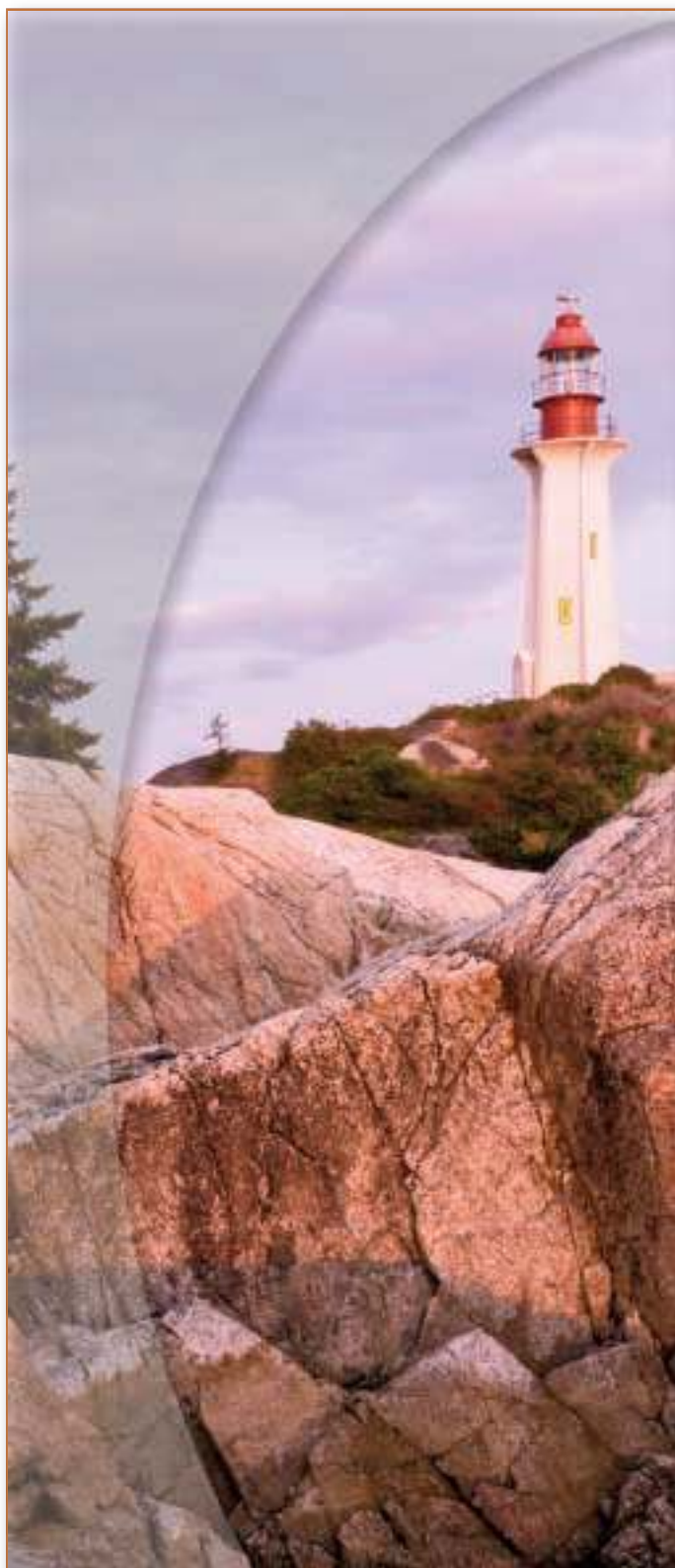
Our Quality. Your Success.  
Their Satisfaction.

**DENTSPLY Tulsa Dental Specialties**  
DENTSPLY International, Inc.  
5100 E. Skelly Drive, Suite 300  
Tulsa, OK 74135  
1-800-662-1202  
1-800-597-2779 (fax)  
[www.tulsadentalspecialties.com](http://www.tulsadentalspecialties.com)



# Educational Sessions

8 a.m. – 5 p.m.



**S-1**

**Rooms 11-12/VCEC**

## Endodontic Microsurgery

**W**



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:

**E** Educators **RNP** Resident and New Practitioners **T** Endodontic Team

**W** Workshop

**Not accepted by the Dental Board of California**



# Educational Sessions

1:30 – 3 p.m.

**NS-100**

**Ballroom A/VCEC**

## Outcomes of Nonsurgical Endodontics Versus Single-Tooth Implants



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

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

One of the major issues confronting the contemporary dental clinician is the choice between implant and root canal treatment for a compromised tooth. The aim of this presentation is to view those elements of the scientific process that would allow the clinician to reach the correct conclusion. General considerations are discussed that will help the clinician judge the advantages and disadvantages of both single-tooth implants and root canal treatment.

At conclusion, participants should be able to:

- Compare and contrast the variables affecting long-term prognosis of single-tooth implants versus restored root canal-treated teeth.
- Apply a management strategy during selection between implants and root canal treatment based upon latest available information.
- Explain the esthetic considerations in retaining the natural dentition.

**NS-101**

**Ballroom B/VCEC**

## Relationships Between Caries, Host Responses and the Clinical Signs and Symptoms of Pulpal Pathosis



Frederick R. Liewehr, D.D.S., M.S.  
Mechanicsville, Va.

*Moderator: Scott A. Schwartz, D.D.S.  
San Antonio, Texas*

In order to understand the pathogenesis of pulpitis and to correctly interpret its clinical signs and symptoms, we must understand the body's responses to the caries bacteria

through the innate and adaptive immune systems. Our current understanding of these reactions and their effect on our patients' chief symptom—pain—will be explored in this presentation.

At conclusion, participants should be able to:

- Describe the mechanism and effect of bacterial byproducts on pain production in pulpitis.
- Explain why a tooth with a vital pulp may be sensitive to percussion.
- Explain why a tooth with a vital pulp and deep caries may not be thermally sensitive and the implications for therapy.

**NS-102**

**Room 1/VCEC**

## The Art and Science of Endodontic Finishing: What Every Clinician Should Know



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

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

Remember when endodontics used to be as simple as “clean, shape and pack?” Now many cases require “a lot of knowledge and skill” to optimally finish using successful clean, shape and pack mechanics. Calcified canals, blocks, ledges and transportations can compromise the “look” of the well-finished result. What should the endodontist use for a checklist for finishing in order to achieve 3-D obturation? What is acceptable and unacceptable? These are the questions that are commonly in the mind of the clinician who is striving to establish his or her reputation as a “quality” endodontist.

At conclusion, participants should be able to:

- Describe the most effective techniques and technologies for root canal system cleaning.
- Demonstrate many of the pearls of endodontic finishing.
- Illustrate effective protocols for creating “invisible” access seals.

Thursday

## NS-103 Rooms 11-12/VCEC

### Nonsurgical Endodontic Retreatment



Michiel J.H. de Cleen, D.D.S.  
*Amsterdam, Netherlands*



Ronald Fransman, D.D.S.  
*Amsterdam, Netherlands*



Marga H. Ree, D.D.S., M.Sc.  
*Purmerend, Netherlands*

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

The purpose of this hands-on course is to provide insight into the armamentarium and techniques used during nonsurgical endodontic retreatment. After an introduction illustrated by clinical examples, participants will work on prepared extracted teeth with the use of a microscope, ultrasonics and various instruments. Special emphasis will be placed on removal of intracanal obstructions, such as obturators, fiber-reinforced composite posts and separated instruments.

At conclusion, participants should be able to:

- Describe the clinical procedure and select the appropriate instruments for removal of a root canal filling performed using a gutta-percha carrier.
- Determine the feasibility of instrument removal and describe current methods for removing fractured instruments.
- List the appropriate instruments and describe the clinical procedure for removal of a fiber-reinforced composite post.

## P-100 Room 15/VCEC

### Physiologic Basis for Development of Pulpal and Periradicular Pain: How it Happens



Asma A. Khan, B.D.S., Ph.D.  
*San Antonio, Texas*

*Moderator: Peter Z. Tawil, D.M.D.  
Chapel Hill, N.C.*

The accurate diagnosis and management of odontogenic pain requires a thorough knowledge of the mechanisms contributing to the activation and sensitization of nociceptors (pain-sensing neurons). This session reviews the pathophysiology of pulpal and periradicular conditions that result in odontalgia, with an emphasis on recent findings in pain mechanisms, such as the role of transient receptor potential ion channels.

At conclusion, participants should be able to:

- Describe the mechanisms underlying the activation and sensitization of pulpal and periradicular nociceptors.
- Summarize recent findings in orofacial pain research.
- Apply this knowledge towards providing effective and efficient management of intra- and postoperative pain.

# Educational Sessions

1:30 – 3 p.m. (cont.)

**PM-100**

**Ballrooms A-B/FW**

## How to Distinguish Your Practice: A Strategy for Success



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

*Moderator: Mani Moulazadeh, D.M.D.  
Newton, Mass.*

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

At conclusion, participants should be able to:

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

**PM-101**

**Malaspina Room/FW**

## How to Identify a Practice Location, Types of Practice and Technology



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

*Moderator: Judy D. McIntyre, D.M.D., M.S.  
Hoover, Ala.*

This interactive session will begin by looking at some of the pros and cons of group versus solo practices. We will then consider buying into an existing practice or starting one from scratch. Practice location will be considered in an effort to provide a more pleasurable long-term career. The intent is for all of these practice variables to be considered and discussed, so that by the end of the session, participants should have some good food for thought to go forward and make a better educated decision on their future practice.

At conclusion, participants should be able to:

- Assess if it is better to buy into an existing practice or start their own, based on their individual needs and expectations.
- Identify and locate the best area for their style of practice.
- Determine what technology and practice environment will best suit their needs.

Thursday



## PS-100

## Ballroom C/FW

### Infection Control in Dentistry



Cindy L. Kleinegger, D.D.S., M.S.  
Portland, Ore.

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

This program will present the fundamentals of infection control and provide strategies for implementing an effective infection control program based on the Occupational Health and Safety Administration *Bloodborne Pathogens Standards* and the Center for Disease Control *Guidelines for Infection Control in Dental Health Care Settings*. Specific topics that will be covered include universal precautions, use of personal protective equipment, hand hygiene, operatory preparation, instrument reprocessing and management of sharps. Infectious diseases that may be transmitted during dental care will also be discussed.

At conclusion, participants should be able to:

- Describe the OSHA *Bloodborne Pathogens Standards* as it pertains to the dental health care setting.
- Describe the CDC *Guidelines for Infection Control in Dental Health Care Settings*.
- Establish and implement infection control protocols that will provide a safe environment for both patients and dental health care workers.

## SP-100

## Rooms 2-3/VCEC

### Why Aren't Endodontists Doing Implants? (1:30 – 2:15 p.m.)



Paul R. Mancia, D.D.S.  
Kingston, Pa.

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

We as endodontists treat the roots of the teeth and surrounding bone. Implants are nothing more than root substitutes. Endodontists should be the leaders in saving teeth when possible and replacing them with implants when

necessary. What do we tell a patient when the tooth fractures a short time after endodontic therapy or the perforation is too large to repair? If the decay is very subgingival, and periradicular surgery does not resolve the lesion? Or a tooth is hopelessly fractured from an accident, or resorbing after being reimplanted? Why not tell them, I will do an implant? Endodontics is all about implants and vice versa.

At conclusion, participants should be able to:

- Prepare a treatment for patients who may be candidates for an implant.
- Describe socket preservation with bone-grafting procedures.
- Discuss a basic concept of implant placement.

### Successful Implant Therapy After Tooth Extraction (2:15 – 3 p.m.)



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

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

Tooth extraction due to endodontic failure results in different bone defect topography profile. Stability is crucial for successful implant therapy. An in-depth knowledge of the different treatment options, techniques, available graft materials, macroscopic and microscopic design of new implants, GBR techniques and clinical experience are crucial. This helps to determine when to use a delayed or immediate implant to guarantee that the final results will be consistently successful, in spite of having begun with different initial scenarios.

At conclusion, participants should be able to:

- Identify the different bone defects the endodontist can encounter after tooth extraction and how they can influence implant therapy results.
- Describe the properties of the different graft materials and membranes (autologous, allograft, xenograft, alloplast, resorbable, nonresorbable), and in which particular bone defect they should be used
- Identify in relation with the different initial bone type defects, which is the best treatment and timing option in order to achieve consistent successful implant therapy (delayed or immediate implant, submerged or transmucosal).

# Educational Sessions

1:30 – 3 p.m. (cont.)

## SP-101 MacKenzie Room/FW

### Grant Support – In My School?! (1:30 – 2:15 p.m.)



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

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

This session will cover an overview of basic grantsmanship skills; tips and protocols for submitting grants to industry, the AAE Foundation and the National Institute of Health; and issues to consider in maintaining grants.

At conclusion, participants should be able to:

- Describe the strategy for developing a fundable grant application.
- Define the process for contacting industry colleagues for pitching grant proposals.
- Describe how to incorporate grant funding in the context of endodontic education.

### Fund Raising in the Education Environment – How About an Endowed Chair? (2:15 – 3 p.m.)



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



Alan H. Gluskin, D.D.S.  
San Francisco, Calif.



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

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

With public and private financial support for dental education decreasing, other funding sources must be found to maintain

the quality of dental faculty. Private funding for endowed professorships and chairs provides a revenue stream in perpetuity. This session is designed to acquaint interested faculty and alumni with methods of fund raising.

At conclusion, participants should be able to:

- Identify benefits of endowed faculty positions.
- Describe potential difficulties in fund raising.
- Identify possible donors and outline methods for obtaining commitments.

## S-100 Ballroom C/VCEC

### Microsurgical Endodontics Reconsidered in Three Dimensions



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

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

The focus is on principles and practices in preoperative patient care and surgical case management. Three-dimensional learning brings participants to the operative field rather than a two-dimensional rendition. Can we see the plain truth? No smoke and mirrors, just the facts through a visually pleasing lecture. The truth will set you free...and this presentation will help you see it!

At conclusion, participants should be able to:

- Describe the metamorphoses that exist between old and current surgical techniques.
- Identify biologic aspects of surgical endodontics and spatial features.
- Discuss the prognosis of surgical endodontics and future endodontic telecommunication.

3:30 – 5 p.m.

## NS-103 *continued* Rooms 11-12/VCEC

### Nonsurgical Endodontic Retreatment

Michiel J.H. de Cleen, D.D.S.  
Amsterdam, Netherlands

Ronald Fransman, D.D.S.  
Amsterdam, Netherlands

Marga H. Ree, D.D.S., M.Sc.  
Purmerend, Netherlands

See page 25 for a complete session synopsis.



## NS-104

## Ballroom A/VCEC

### The Combination of Micro, Bio, Techno and Endo Through the Synergism of Micro-CT, Cone-Beam CT and Microscopy



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

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

The aim is to visualize the three-dimensional shaping, cleaning and filling of the root canal space by innovative *in vitro* and *in vivo* techniques. Novel nondestructive imaging and visualization techniques like x-ray micro CT *ex vivo* (resolution of <9 µm), Cone beam CT *in vivo* (resolution of 100 µm) and environmental FE-SEM allow us to study the complexity of the root canal system and the tenacity of the biofilm. Dynamic rinsing and photoactivated disinfection with laser therapy are smart concepts to reach those bacteria in hidden niches, anastomoses, dentinal tubules and biofilms. Application time, penetration depth, bacterial type, biofilm type, planktonic stage or sheltered stage, all seem to play a role in the success of root canal disinfection techniques. Finally, is sealing the root canal system by hybridization and resin tag formation, combined with entombing remaining microorganisms, a dream or reality? The insight in dentin bonding for adhesive restorative dentistry is now finding its way inward and downward in the root canal. In order to allow hybridization and tag formation, the smear layer, smear plugs, dentin debris and biofilms have to be removed.

At conclusion, participants should be able to:

- Create their own virtual 3-D insight in the complexity of the root canal system.
- Describe the way a biofilm is structured and can be destroyed.
- Improve the outcome of the endodontic treatment by a 3-D seal of the system.

Thursday



# Educational Sessions

3:30 – 5 p.m. (cont.)

**NS-105**

**Ballroom B/VCEC**

## **Vital Pulp Therapy: As Endodontists, are we Still Involved?**



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

*Moderator: Le Yen Thi O'Leary, D.D.S.  
Plano, Texas*

Vital pulp therapy can be an overlooked objective in endodontics. This presentation will focus on new treatment modalities and materials that are necessary for predictable outcomes in direct pulp capping and pulpotomy procedures. Topics will include historical perspectives, diagnosis and case selection, caries removal under magnification, hemorrhage control, and techniques for the placement of mineral trioxide aggregate, a relatively new material in vital pulp therapy. The presentation will also review the pertinent literature and long-term observation of selected cases.

At conclusion, participants should be able to:

- Describe the microbiology/physiology of dental caries and the differential diagnosis and indications for vital pulp therapy.
- Describe and apply new treatment modalities in caries removal, hemorrhage control, pulpal assessment, 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 for patients in clinical practice.

**NS-106**

**Room 1/VCEC**

## **Retreatment: Can we Manage Better Success?**



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

*Moderator: David C. Funderburk, D.D.S., M.S.  
Greeley, Colo.*

Endodontic failures are a growing concern for the entire dental profession. With the increasing popularity of implant placement, endodontists are constantly being bypassed and questioned about extracting failed endodontically treated teeth. Furthermore, in recent years, the focus in endodontics has been further treatment, whether with surgical or conventional orthograde intervention. However, the dental community has left behind the notion of how to prevent many of these failures often with a good definitive restoration. Therefore, an in-depth look at success and failure rates, the importance of a definitive coronal seal whether temporary or permanent, and management of iatrogenic perforations will be discussed.

At conclusion, participants should be able to:

- Discuss the pros and cons of different temporary restorative materials.
- Discuss the ideal time to place a post with respect to bonding strength.
- Discuss the failure rates of endodontically treated teeth, the importance of the coronal seal and repairing iatrogenic perforations.

Thursday

# Educational Sessions

**PM-102**

**Ballrooms A-B/FW**

## Associateships: Preparation is the Key!



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

*Moderator: Gwendolyn D. Corbett, D.D.S.  
Baton Rouge, La.*

Finding the right associate is like finding the right life mate—it depends on timing, maturity, personality, compatibility, preparation and luck. It is important for the associate to have a practice philosophy similar to that of the practice he/she is joining; otherwise, the going could be rough. This seminar will focus on the success of our practice in incorporating five associates as full partners. Attendees will learn the necessary prerequisites in preparing to bring in an associate, know what needs to be discussed prior to signing an agreement and evaluate the reasons for bringing in an associate.

At conclusion, participants should be able to:

- Design the components that are necessary to be included in a contract.
- Describe the importance of preparation prior to the associate joining the practice.
- Have an exit strategy in place in case things do not work out.

**PM-103**

**Malaspina Room/FW**

## Transition Planning for Residents and New Practitioners



Paul D. Sletten  
Centennial, Colo.

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

This seminar will provide participants with new insights into what makes for a successful practice transition and the tools to use in your own transition plans. The necessary steps towards finding the “right” endodontic practice opportunity will be identified, along with a review of the necessary components for planning each step of the transition process. Participants will also learn to recognize the importance of creating a personal vision of how and where you want to practice in order to achieve successful outcomes. A team-based model will be shared for adding an associate to incorporate the behavioral and relationship factors that are keys in ensuring a successful transition. This model also includes a formula for discovering a practice opportunity based on shared values and philosophies. Learn how to create a “win-win” relationship with each other, the dental team and your patients!

At conclusion, participants should be able to:

- Create a personal vision of how and where you want to practice.
- Sort through and assess practice opportunities.
- Select a quality advisor.

**PS-100 continued**

**Ballroom C/FW**

## Infection Control in Dentistry



Cindy L. Kleinegger, D.D.S., M.S.  
Portland, Ore.

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

See page 27 for a complete session synopsis.

Thursday

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop

Not accepted by the Dental Board of California

# Educational Sessions

3:30 – 5 p.m. (cont.)

**SP-102**

**Rooms 2-3/VCEC**

## The Endodontist as Implant Surgeon

(3:30 – 4:15 p.m.)



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

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

Endodontists will not be successful in arguing against the efficacy of implant dentistry. However, those of us who have begun to surgically place these fixtures can attest to the positive reactions of patients and referring dentists to this revolutionary change in our practices. This lecture will focus on the inherent advantages endodontists have in providing this valuable service, namely, unbiased treatment planning and incomparable precision in surgery.

At conclusion, participants should be able to:

- Plan a course curriculum that will fully train them to competence in implant surgery.
- Create model-based drill guides to ensure safe, precise placement of implants from the outset.
- Prepare implant sites with bone grafting to augment alveolar ridges and to lift sinus floors.

## The Contemporary Endodontist: The Implantologist and Implant Technique

(4:15 – 5 p.m.)



Russell Kiser II, D.D.S.  
Mansfield, Ohio

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

This course will involve didactic-clinical subjects related to transitioning the endodontist from an “endo-only” practice to the “endo-and-implant” practice of the future. Implantology will be explored, and participants will gain a broad-based surgical and prosthetic perspective to serve as a foundation to begin the quest of education and incorporation of implant dentistry into their practices. This course is designed for

beginner and advanced participants. Clinical technique will be the major focus of this presentation.

At conclusion, participants should be able to:

- Discuss why the speaker, an endodontist, became involved with implant dentistry and why/how implant surgery became integrated into the endodontic practice.
- Recognize methods/techniques of soft tissue management with bone surgery to graft with symphysis, J-block, mandibular onlay tunnel, sinus augmentation procedures, extraction with alveolar socket management, and particulate/barriers of alloplasts, allografts, autografts and xenografts.
- Describe methods to place simple implants in the maxilla and mandible to restore function and aesthetics.

**SP-103**

**Room 15/VCEC**

## Endodontic Irrigation via Apical Negative Pressure—Safety, Efficacy and Clinical Techniques



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

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

Although seemingly simple, endodontic irrigation is a highly complex problem that begins at patient safety and ends with clinically efficient and effective results. However, as complex as the problem is, the answer is equally simple—use the office HiVac to draw the irrigant down the root canal, to full working length, rapidly and in high volume. Then, use the same vacuum (apical negative) pressure to immediately and safely draw the irrigant away from the sensitive periradicular region.

At the conclusion, participants should be able to:

- Identify flaws in current endodontic irrigation studies.
- List the principles and ancillary benefits of apical negative pressure.
- Describe the critical importance of safely using full-strength sodium hypochlorite during endodontic irrigation.



## S-101

## Ballroom C/VCEC

### Implants in Endodontic Practice: To be or not to be. . .



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



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

As dental implant therapy continues to have an increasing effect on treatment planning and the specialty of endodontics, many endodontists are considering the addition of surgical placement of dental implants into their practices. This entertaining and informative presentation will focus on the pros and cons of implant endodontics by using a debate format in which the two presenters take opposite sides of the question and challenge each other and the audience. The pitfalls and rewards of entering this new arena will be explored and followed by an audience question and answer session.

At conclusion, participants should be able to:

- Describe the challenges and benefits of incorporating surgical implant techniques into their practice.
- Discuss the nature of the debate that will shape the future of endodontic practice.
- Decide for themselves if they will pursue this treatment modality in their practices.



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



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



Mahmoud Torabinejad, D.M.D., M.S.D., Ph.D.  
*Loma Linda, Calif.*

*Moderator: André K. Mickel, D.D.S., M.S.D.  
Beachwood, Ohio*

This session will offer ideas for endodontic educators to combat the growing trend in dental school treatment planning of removing teeth unnecessarily for the purposes of implant placement. Correction of this trend at the academic level will ensure that future dentists will continue to view endodontics and the preservation of natural teeth as the ideal treatment. This course will include a comparison of implant versus endodontic success and suggestions on how to ensure that endodontic faculty will play an integral part in the treatment planning process.

At conclusion, participants should be able to:

- Educate nonendodontic faculty and students on the desirability of the retention of natural teeth through endodontic treatment, and on the facts concerning implant versus endodontic success and failure.
- Devise and implement a systematic strategy within their respective institutions that would ensure endodontic involvement in all phases of treatment planning.
- Instill in students an ever-increasing sense of value in endodontics that will carry over throughout their professional careers.

## S-102

## MacKenzie Room/FW

### Effective Strategies for Combating the Growing Trend in Dental Schools of Unnecessary Extraction/Implant Placement Versus Endodontic Treatment E



Sami M.A. Chogle, B.D.S., D.D.S., M.S.D.  
*Cleveland, Ohio*



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

# Educational Sessions

9:15 – 10:45 a.m.

**NS-200**

**Ballroom C/VCEC**

## Effectiveness of Single- Versus Multiple-Visit Endodontic Treatment—Literature Review and Clinical Recommendations



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

*Moderator: Karl Keiser, D.D.S., M.S.  
San Antonio, Texas*

Although successful elimination of bacteria from the root canal system remains the most important therapeutic goal, there is no consensus as to the most effective clinical approach. The literature related to single versus multiple visits differs in several important areas. This lecture will provide a comprehensive critical review of the literature and propose a clinical flow chart that takes into consideration the preoperative diagnosis, infection control procedures and their effect on the outcome of endodontic therapy.

At conclusion, participants should be able to:

- Review scientific evidence related to single- versus multiple-visit endodontic therapy.
- Describe new concepts of canal irrigation and disinfection.
- Apply a therapeutic clinical flow chart in their practice.

**NS-201**

**Room 1/VCEC**

## The Incidence and Ramifications of Instrument Separation



Harold H. Messer, M.D.Sc., Ph.D.  
Melbourne, Australia

*Moderator: Kenneth M. Hargreaves, D.D.S., Ph.D.  
San Antonio, Texas*

This lecture will document the low risk of instrument separation with rotary nickel-titanium instruments and describe approaches to minimize the risk of fracture. When an instrument does separate, the decision to attempt removal will depend on location of the fragment and the risk of serious damage to the tooth structure. The prognosis for teeth

with a retained fragment is not affected unless the separation occurs at an early stage in the procedure with minimal debridement.

At conclusion, participants should be able to:

- Adopt clinical procedures to minimize the risk of instrument separation.
- Decide when retrieval should be attempted and assess the risk of damage to the tooth.
- Advise the patient on prognosis when a separated instrument is left in the canal.

**NS-202**

**Rooms 2-3/VCEC**

## 3-D Analysis of Root Canal Morphology and its Relationship to Nonsurgical Endodontic Therapy



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

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

This session will review how the study of 3-D tooth anatomy can improve the understanding and treatment outcomes of endodontic therapy. This review will be based on years of experience in micro CT scanning and analysis of teeth, and lessons learned.

At conclusion, participants should be able to:

- Describe how 3-D imaging can improve understanding of endodontic treatment.
- List many specific instances where this understanding will improve treatment outcomes and reduce procedural risk.
- Discuss the subtle signs that reveal the 3-D anatomy during treatment.

## NS-203 Rooms 11-12/VCEC

### Differential Negative Pressure Endodontic Irrigation



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

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

This hands-on workshop will demonstrate how positive pressure fluid dynamics prevents irrigant circulation to the apical terminus *in vivo*. The didactic portion will address a revolutionary negative apical pressure delivery system that safely allows or directs copious and unprecedented volumes of irrigant to the canal terminus. The hands-on portion will use extracted teeth to detail the step-by-step approach leading to the apical macro and micro negative pressure streaming that creates unparalleled optimal debridement.

At conclusion, participants should be able to:

- Describe the fluid dynamics that produce sodium hypochlorite accidents and prevent their occurrence.
- Discuss why endodontic irrigants (regardless of type), delivered via current positive pressure techniques, fail to adequately circulate irrigants through the apical two millimeters.
- Describe how this failure produces compromised clinical results.

## P-200 Room 15/VCEC

### Persistent Pain and Root Canal Treatment: Issues Related to Diagnosis and Treatment



Alan S. Law, D.D.S., Ph.D.  
White Bear Lake, Minn.



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

*Moderator: Jeffrey P. Lilly, D.D.S.  
West Des Moines, Iowa*

The goals of this course are two-fold—to improve awareness and the diagnosis of odontogenic versus nonodontogenic tooth pain; and to provide information regarding a rational approach to treatment for persistent pain associated with endodontic treatment. The first part of the course will be devoted to understanding the differences in clinical presentation of tooth pain of odontogenic origin from tooth pain of nonodontogenic origin. This will include a conceptual model for classifying these pains, as well as an overview of the epidemiological aspects of one type of nonodontogenic pain, that being persistent pain associated with endodontic treatment. The second part of the course will cover the treatment options currently available, including pre-emptive, early-intervention and late-intervention strategies.

At conclusion, participants should be able to:

- Name the four clinical reasons for nonodontogenic tooth pain.
- Recognize the clinical feature of how nonodontogenic pain presents differently than odontogenic pain.
- List three pre-emptive treatment approaches that may reduce the risk for the development of persistent pain associated with surgery.



# Educational Sessions

9:15 – 10:45 a.m. (cont.)

**PM-200**

**Ballrooms A-B/FW**

## Team Spirit and Motivation to Keep you on Track

**T**



Anita Jupp  
Burlington, Ontario, Canada

*Moderator: Kevin P. Bryant, D.M.D.  
Chattanooga, Tenn.*

Creating a motivational environment should be a priority in every progressive dental practice. This program focuses on the importance of every team member and how to uncover each one's full potential. With training, your team can become your best marketing tool. It is important to remember patients pick up on any negatives in the practice, even nonverbal negativity. A high trust environment will result in more patient referrals and increased case acceptance.

At conclusion, participants should be able to:

- Create enthusiasm and motivation in the dental practice.
- Describe the importance of each team member.
- Recognize each team member's responsibility.

**PS-200**

**Ballroom C/FW**

## Financial Planning for Office Staff—How to Build Financial Security

**T**



James J. Meehan, CLU, CFP  
Iowa City, Iowa

*Moderator: Shane D. Bergo, D.D.S.  
Fort Collins, Colo.*

Over a lifetime, most people experience many different financial needs that can be summarized into three stages: risk management, wealth accumulation and wealth distribution. This presentation will follow the path of the pyramid of needs, highlighting it as a lifetime structure, the implementation of which will help those attending build financial security.

At conclusion, participants should be able to:

- Summarize the financial planning process and be able to identify the areas in need of attention.
- Describe the financial planning pyramid and why it is a lifetime endeavor.
- Apply goals and objectives to their very own plan.

**SP-200**

**Malaspina Room/FW**

## Navigating the JOE and Reviewing a Scientific Paper

**E RNP**



Frederic Barnett, D.M.D.  
Philadelphia, Pa.

*Moderator: Kenneth M. Hargreaves, D.D.S., Ph.D.  
San Antonio, Texas*

This session will provide attendees with directions and suggestions on how to obtain the maximum benefit from scientific papers and how to make full use of the online *Journal of Endodontics*. Questions to be addressed while reviewing a paper include: What does the paper address? What are the main conclusions of the paper? What evidence supports those conclusions? Does the data actually support the conclusions? What is the quality of the evidence? Are the conclusions relevant?

At conclusion, participants should be able to:

- Discuss why it is more efficient to organize the way you read a scientific paper.
- List the questions that need to be asked prior to a review.
- Describe how to navigate the JOE online to enhance your experience as a user.

Friday

# Educational Sessions

## S-200 Ballrooms A-B/VCEC

### Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area



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



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

This live surgery will demonstrate every detail of the surgical management of endodontically involved molar teeth, as well as the placement of implants. Topics to be discussed and demonstrated include flap design, hemostasis, precise identification of apices under the buccal plate, small osteotomies, minimum or no beveling, identification and management of isthmi, root-end preparation with ultrasonic instruments, root-end filling with MTA and microsuturing. Furthermore, details of the biology and the pros and cons of implants will be discussed. This is followed by placement of one or two implants in an edentulous area.

At conclusion, participants should be able to:

- Describe the fundamental biological principles and clinical applications of endodontic microsurgery as well as implants.
- Distinguish which teeth need nonsurgical or surgical retreatment, or extraction followed by placement of an implant.
- Apply this knowledge for proper diagnosis and treatment of compromised teeth, so as to guide patients toward the appropriate treatment options.

**Live surgical broadcast sponsored by Nobel Biocare and Obtura Spartan**

## S-201 Room 18/VCEC

### Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation



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

**Workshop Fee: \$800 early/\$850 standard**

This two-part session begins by taking the practitioner through how implants can become an integral part of treatment planning in an endodontic practice. Areas to be discussed include diagnosis, case selection, patient consultation and acceptance, and practice management considerations. The second part of the session reviews surgical procedures, use of CT scanning and interactive 3-D software in surgical planning, and the importance of tissue preservation. This portion will conclude with a hands-on surgical review.

At conclusion, participants should be able to:

- Describe the role and value of implants as a treatment option in an endodontic practice.
- Discuss effective case selection, practice management and patient consultation.
- Identify the challenges involved in implant surgery, and the importance of CT scanning and tissue preservation in successful clinical outcomes.

Friday

# Educational Sessions

11 a.m. – 12:30 p.m.

## NS-203 *continued* Rooms 11-12/VCEC

### Differential Negative Pressure Endodontic Irrigation



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

See page 35 for a complete session synopsis.

## NS-204 Ballroom C/VCEC

### State-of-the-Science in Root Canal Disinfection



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

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

Root canal disinfection is a key objective of endodontic therapy. However, there is increasing evidence that this may not be predictably achievable. This session will review root canal disinfection approaches described in clinical and biological studies. Topics to be discussed include newly available options for root canal disinfection, as well as current best evidence for conventional antimicrobial irrigants, intracanal medicaments, medicated obturation materials, and irrigation devices and techniques.

At conclusion, participants should be able to:

- Describe the effects of clinical root canal disinfection procedures on the root canal microflora.
- Describe new developments in root canal disinfection.
- Identify the more effective root canal disinfection approaches based on current best evidence.

## NS-205 Rooms 2-3/VCEC

### The Evolution of Electronic Working Length Determination



Mohammad H. Nekoofar, D.D.S., M.Sc.  
*Cardiff, Wales, United Kingdom*

*Moderator: Thomas J. Beeson, D.D.S.  
Omaha, Neb.*

Initially, a review of basic electronics will be presented in order to provide an understanding of electronic devices and circuits; the function of electronic root canal length measurement devices (ERCLMD) will then be discussed. In order to describe the evolution of these devices, the early studies that resulted in development of the initial devices and the fundamental operating principles of the various models will also be described and discussed. At the end, based on the evolution and fundamental operating principles of those devices, a recently proposed classification of ERCLMDs will be introduced.

At conclusion, participants should be able to:

- Describe the basic electronic model which governs ERCLMDs.
- Explain the fundamental operating principles of various models of ERCLMDs in order to allow their classification.
- Compare various types of ERCLMDs according to their evolution and operating principles, rather than their nominal "generation."



## P-201

## Room 15/VCEC

### When the Chronic Pain Patient Needs RCT—Management Before, During and After



Kevin I. Reid, D.M.D., M.S.  
Rochester, Minn.

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

This session will provide an overview of common chronic pain conditions including temporomandibular disorders, trigeminal neuropathic pain and others. The focus will be on unique challenges for these patients in a dental setting.

At conclusion, participants should be able to:

- Identify unique circumstances associated with a number of chronic pain conditions.
- Identify and discuss common diagnoses and medications used for chronic pain conditions.
- Discuss concepts of hypersensitivity, central mediation and amplification of pain, and how these might influence the presentation of treatment and follow up for endodontic patients.

## PS-201

## Ballrooms A-B/FW

### You Can't Run Your Practice Alone



Anita Jupp  
Burlington, Ontario, Canada

*Moderator: Diane Ryerson  
Nichols, Iowa*

Dental practices are at their most productive when everyone works with defined duties and accountability for their positions. To be productive, increase your effectiveness and communication between team, dentists and patients. The number one challenge experienced by most offices is dealing with "people problems;" the way people talk or treat each other. Personality conflicts often create a breakdown in team spirit. Working in "synch" makes everyone more productive and allows patients to enjoy a positive environment.

At conclusion, participants should be able to:

- Define duties for each team member by creating office policies and guidelines for dental staff.
- Train your team members for maximum efficiency and productivity, and have productive team meetings to increase communication and unity.
- Describe how different personalities can complement each other.



# Educational Sessions

11 a.m. – 12:30 p.m. (cont.)

**SP-201**

**Room 1/VCEC**

## **Outcome of Endodontic Treatment: Perceptions Versus Reality (11 – 11:45 a.m.)**



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

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

Knowledge of endodontic treatment outcome is of crucial importance for appropriate case selection and treatment decision-making. Moreover, perceptions of referring dentists regarding the predictability of endodontic treatment merit consideration by the endodontist. This may determine whether patients will elect to retain their natural dentition or if the affected tooth will be replaced by an implant. Studies assessing treatment outcomes varied considerably in their results, often causing confusion. 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 outcomes.
- Evaluate updated data obtained from large cohorts of patient populations.
- Apply this knowledge for evidence-based assessment of prognosis and treatment decision-making.

## **Clinical Interventions for Promoting Periapical Bone Regeneration (11:45 a.m. – 12:30 p.m.)**



**Jianing He, D.M.D., Ph.D.**  
*Dallas, Texas*

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

Bone regeneration is a critical component during periapical healing. Understanding how clinical interventions affect bone healing can aid clinicians in selecting an appropriate method to achieve more predictable

results. This presentation will review the evidence regarding tissue response to these interventions based on both *in vitro* and *in vivo* biological studies. Clinical outcome will also be discussed. Future directives such as the use of bioactive molecules and gene therapy will also be addressed.

At conclusion, participants should be able to:

- Describe the mechanisms of bone healing in the periapical region.
- Describe patient factors and treatment factors affecting periapical bone regeneration.
- Describe new advances in molecular biology and gene therapy approaches to promote bone regeneration.

**SP-202**

**MacKenzie Room/FW**

## **ABE Boardwalk**



**J. Craig Baumgartner, D.D.S., M.S., Ph.D.**  
*President, American Board of Endodontics*  
*Portland, Ore.*

As an endodontist, you have already accepted the challenge of a career grounded in advanced science, enhanced patient care and overall excellence. The desire to refine these skills and knowledge is the driving force in pursuing Board Certification. 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. New Candidates gain a deep understanding of the evolution of the field in their preparation for the Board Certification examinations. Future Diplomates gain expertise on both classic and current literature—one that serves as the bedrock for lifelong contributions to the specialty. Sequencing of the Certification Process will be outlined. Each phase of the examination process—Written Examination, Case History Portfolio and Oral Examination—will be discussed and suggestions provided for preparation and successful completion of each portion. The program is designed to provide interested individuals with the opportunity to interact with the directors and to clarify concerns regarding the Certification Process.

# Educational Sessions

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.
- Identify and apply the appropriate diagnostic terms during the Case History and Oral Examinations.

**Additional Presenters - American Board of Endodontics Board of Directors:**

Carl W. Newton, D.D.S., M.S.D., Secretary

Christopher S. Wenckus, D.D.S., Treasurer

Stephen J. Clark, D.M.D.

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

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

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

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

Paul A. Rosenberg, D.D.S.

## SP-203 Malaspina Room/FW

### Using PowerPoint® for Endodontic Education



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

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

This session is directed to endodontic practitioners and educators who are interested in giving presentations to study clubs or other groups of dental professionals. Using PowerPoint®, this course will discuss and demonstrate the approach to structuring a good presentation. The course will also offer many “how to” tips on using PowerPoint® for endodontic education. Attendees will learn basic through advanced tools, and will be given examples of a variety of different PowerPoint® functions and answers to frequently asked questions. In addition, a demonstration of capturing media from the microscope, editing and inserting into a PowerPoint® presentation, will also be included.

At conclusion, participants should be able to:

- Discuss a logical approach to structuring an endodontic presentation.
- List presentation “rules of the road.”
- Describe the process of capturing, editing and inserting media from the microscope into a PowerPoint® presentation.

## S-200 continued Ballrooms A-B/VCEC

### Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area

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

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

See page 37 for a complete session synopsis.

## S-201 continued Room 18/VCEC

### Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation



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

See page 37 for a complete session synopsis.

Friday

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop

Not accepted by the Dental Board of California



# Educational Sessions

1:30 – 3 p.m.

**NS-206**

**Ballroom C/VCEC**

## **Current Concepts and Future Challenges in Root Canal Instrumentation**



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

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

Currently available endodontic instruments usually perform well in clinical settings. Specifically, they allow most root canals to be shaped without major preparation errors. However, clinicians feel that there are issues where improvement is needed. One often cited problem is the potential of instrument fracture; another is insufficient cleaning of canal spaces, eventually leading to post-treatment disease. This presentation will describe concepts that are perceived as the current gold standard, as well as future directions for improvements.

At conclusion, participants should be able to:

- Describe important aspects of current instrument design and application parameters.
- List current problems with instrument performance that may alter endodontic outcomes.
- Assess the potential for improvement of currently available instruments and techniques in the near and distant future.

**NS-207**

**Rooms 2-3/VCEC**

## **Feeling the Squeeze? A Critical Review of Root Canal Fillings, Principles and Practices**



John M. Whitworth, Ph.D., B.Ch.D.  
*Newcastle, England*

*Moderator: John D. Andrews, D.D.S.  
San Antonio, Texas*

Research has established infection control as the key determinant of endodontic success. But what is the role of the root canal filling and how can we reconcile a vast and often perplexing body of technological, commercial and epidemiological reports? This session will seek to untangle some of the issues, reviewing the purposes of root canal fillings, the materials and methods employed, and the clinical relevance of different methods of evaluation.

At conclusion, participants should be able to:

- Outline the purposes served by root canal fillings.
- Summarize contemporary procedures and practices for root canal fillings.
- Summarize some of the problems presented by a substantial and often contradictory literature.

Friday

# Educational Sessions

## NS-208 Rooms 11-12/VCEC

### Endodontic Disinfection: Tsunami Irrigation



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



Robert H. Sharp, D.D.S.  
*Sacramento, Calif.*

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

There is great controversy in opinion regarding the ability to achieve complete treatment, yet predictably successful endodontics is dependent on fulfilling the objectives for shaping canals, cleaning root canal systems and three-dimensional obturation. The lecture portion of this course will emphasize the strategic importance of fluid hydrodynamics and its role in endodontic disinfection. Evidence-based research will be presented that shows the EndoActivator™ improves debridement, smear layer removal, and the disruption of biofilms in well-shaped canals. Clinical demonstrations will be performed.

At conclusion, participants should be able to:

- Identify the biological and clinical factors that influence success.
- Compare the various methods utilized for cleaning root canal systems.
- Remove residual obturation materials in the retreatment situation.

## P-202 Room 15/VCEC

### Anxiolysis for Today's Patients



Anthony Feck, D.M.D.  
*Seattle, Wash.*



Michael D. Silverman, D.M.D.  
*Seattle, Wash.*

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

Anxiolysis provides an ideal environment for the ultimate in a relaxed dental experience. The patients remember little of the appointment and feel as if hours seemed like minutes. With anxiolysis, your most frightened patient is transformed into your best patient. Learn how to apply new, safe and simple protocols to alleviate your fearful patient's anxiety; three reasons why this anxiolysis method is so safe; critical pitfalls to avoid; and, most importantly, how to fulfill the needs of your referring doctors who are already providing anxiolysis to their patients.

At conclusion, participants should be able to:

- Describe how anxiolysis can better help customize patient care and ultimately allow for better patient experiences, resulting in more referrals.
- Identify the most commonly prescribed medications for anxiolysis, their basic pharmacological properties and why they are so effective.
- Discuss how to provide maximum safety for both patient and practitioner.

# Educational Sessions

1:30 – 3 p.m. (cont.)

**PM-201**

**Ballrooms A-B/FW**

## Setting the Stage for Success— Invest With Confidence



James J. Meehan, CLU, CFP  
*Iowa City, Iowa*

*Moderator: Paul Bianchi, D.D.S.  
Auburn, Calif.*

This session will help give the attendees a secure feeling about the investment strategy, especially in today's changing world. Five steps will be reviewed to help attendees invest more confidently, regardless of the market direction, including goal setting, diversification, risk and reward, discipline and momentum.

At conclusion, participants should be able to:

- Summarize the basic principles and practices of investing.
- Create a personal business plan for their investment planning.
- Apply their goals and objectives to their plan and be able to monitor it on an ongoing basis.

**PS-202**

**Ballroom C/FW**

## Conflict Resolution



Kim L. McClure, R.N.  
*Cranberry Township, Pa.*

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

This two-part session focuses on understanding why conflict occurs, when it is beneficial, and how to prevent, manage and resolve it. We'll examine conflict by looking at personality styles, generational differences, people and management tips, employee empowerment, retention and team building.

At conclusion, participants should be able to:

- Identify personality and conflict resolution styles, and the dynamics of those styles in a team environment.
- Explain how to properly give positive and negative feedback.
- Develop a step-by-step plan to successfully resolve conflict.





**SP-204**

**Room 1/VCEC**

## **When Microsurgery Could be Your Best Approach for Failed Endodontic Treatment (1:30 – 2:15 p.m.)**



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

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

Many factors could negatively influence the success of endodontic therapy. Even with modern technology, endodontic retreatment still has its limits in achieving complete success. This clinical-based presentation emphasizes the importance of microsurgery as an essential part of any successful endodontic practice. Well-documented surgical cases will be presented to demonstrate that microsurgery, when applicable, could be the best approach to certain endodontic failures.

At conclusion, participants should be able to:

- List factors that lead to endodontic failures.
- Determine the best treatment plan for certain failed endodontics by understanding the challenges and prognosis of conservative and surgical treatments.
- Identify microsurgery as an essential part of endodontics in achieving long-term successful treatment.

## **Bone Grafting for the Endodontist: When, How and Why? (2:15 – 3 p.m.)**



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

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

Many endodontists have experienced the healing or worsening of lesions of endodontic origin after classic endodontic treatments, as well as surgical treatments. During apicoectomy, root amputation or exploratory surgery, endodontists must decide whether to let the curetted area heal by itself or to use bone-grafting material to improve the outcome. This presentation will also review the clinical reality behind the different kinds of endodontic pathology, as well as their impact in the decision-making for bone-grafting.

At conclusion, participants should be able to:

- Decide when to apply bone-grafting technology.
- Choose available materials for bone grafting and how to use them.
- List the evidence in the literature regarding bone grafting.



# Educational Sessions

1:30 – 3 p.m. (cont.)

## SP-205 **Malaspina Room/FW** **The Often Forgotten Part of Endodontics** (1:30 – 2:15 p.m.)



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

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

Teeth undergoing endodontic treatment require interim restorations to prevent ingress of micro-organisms during and after treatment. Unfortunately, this is often neglected by clinicians and researchers. Reasons, guidelines and techniques for placing interim restorations will be provided with results of recent research by the presenter's research group, which indicates no correlation between bacterial penetration and dye penetration into pulp chambers when the teeth are subjected to occlusal loading. Hence, results of previously reported studies can be questioned.

At conclusion, participants should be able to:

- Discuss the need to remove the cause of the pulp and periapical diseases as an integral part of endodontic treatment.
- Place comprehensive interim and temporary restorations as part of the routine endodontic management of teeth.
- Effectively evaluate the dental literature and understand the problems.

## **Coronal Leakage: Much Ado About Nothing?** (2:15 – 3 p.m.)



Mark B. Desrosiers, D.M.D.  
*Pomfret Center, Conn.*

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

We have been aware of coronal leakage since 1917. However, it has received increased attention and spurred new research, thanks to the introduction of new endodontic materials that claim to help solve the problem of coronal leakage. This presentation will break down the problem of coronal leakage to its many contributing parts. A review of the literature will

provide a basis for understanding what we know and don't know about this potential problem.

At conclusion, participants should be able to:

- Identify the many factors that can contribute to coronal leakage.
- Differentiate between the significant and nonsignificant contributors to coronal leakage.
- Recognize the aspects of their care that can minimize the potential of coronal leakage.

## **S-200 continued Ballrooms A-B/VCEC** **Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area**

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

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

See page 37 for a complete session synopsis.

## **S-201 continued Room 18/VCEC** **Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation**



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

See page 37 for a complete session synopsis.

3:30 – 5 p.m.

## NS-208 *continued* Rooms 11-12/VCEC

### Endodontic Disinfection: Tsunami Irrigation

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

Robert H. Sharp, D.D.S.  
*Sacramento, Calif.*

See page 43 for a complete session synopsis.

## P-203 Room 15/VCEC

### Airway Management for the Sedated Patient



Anthony Feck, D.M.D.  
*Seattle, Wash.*



Michael D. Silverman, D.M.D.  
*Seattle, Wash.*

*Moderator: Kathryn C. Wright, D.M.D.  
Vancouver, Wash.*

This lecture is designed to teach prevention and treatment of the compromised airway.

Airway maintenance is the number one safety concern with our sedated patients. Consider that your patient is often reclined to a supine position, that you have impaired access and visibility due to the inherent nature of the oral cavity, have reduced their sensory innervations with local anesthetics, and work with and generate small foreign bodies. A sedated patient, with the accompanying depression of the central nervous system, is at even more risk due to decreased conscious awareness and obtunded reflexes.

At conclusion, participants should be able to:

- Discuss the most common airway emergencies and how to respond to them.
- Protect the airway of the sedated patient, including proper positioning and monitoring.
- Recognize respiratory risk and know how to provide emergency oxygen delivery.

## PM-202 Ballrooms A-B/FW

### How to Run a Well-Tuned Solo Practice



Andrew M. Bradley, D.M.D.  
*Lebanon, N.H.*



Thomas J. Gillen, D.M.D., M.Sc.  
*Greensburg, Pa.*



Robert A. Goldberg, D.D.S.  
*Buffalo Grove, Ill.*

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

This panel of solo practitioners will discuss how they have managed their practices. They will cover a variety of topics such as site location, day-to-day patient flow, local marketing and many of the other subtleties involved in running a solo practice. This is intended to offer ideas for the attendee to consider and to also get feedback from the speakers on ideas that they may have as well.

At conclusion, participants should be able to:

- Identify variables that are involved in picking a specific office location.
- Better address patient scheduling and patient flow concerns.
- Develop an idea of local marketing, what does and does not work.



# Educational Sessions

3:30 – 5 p.m. (cont.)

## PM-203 Malaspina Room/FW

### Wealth Management 101— Planning From the Beginning With the end in Mind

RNP



James J. Meehan, CLU, CFP  
Iowa City, Iowa

*Moderator: Jessica L. Barr, D.D.S., M.S.  
Asheville, N.C.*

This session will help give the new practitioner guidelines for creating a wealth management plan that will serve them throughout their careers. It will cover the three stages of wealth management—risk management, wealth accumulation and wealth distribution.

At conclusion, participants should be able to:

- Summarize the basics of wealth management.
- Create a personal wealth management mission statement.
- Apply their goals and objectives to their own unique plan.

## PS-202 continued Ballroom C/FW

### Conflict Resolution

RNP

Kim L. McClure, R.N.  
Cranberry Township, Pa.

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

See page 44 for a complete session synopsis.

## SP-206 MacKenzie Room/FW

### Resident and New Practitioner Career Fair

RNP



Judy D. McIntyre, D.M.D., M.S.  
Hoover, Ala.

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 for 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 specialty 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.

#### Additional Participants – Resident and New Practitioner Committee:

April L. Alford, D.D.S.

Brian P. Chuang, D.M.D.

David T. Holden, D.M.D.

Asma A. Khan, B.D.S., Ph.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 Concourse Level of the Fairmont Waterfront.*

# Educational Sessions

**SP-207**

**Room 13/VCEC**

## Educator Forum—Private Practice to Academics: The Endodontist and the University



Harold E. Goodis, D.D.S.  
El Dorado Hills, Calif.

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

This presentation will discuss the transition from a private practice environment to university endodontic departments and divisions. The adjustments necessary in this transition will be explored. Tenure and nontenure positions, as well as the qualifications for a research and teaching career versus clinical teaching, will be discussed. Eligibility for research funding will be explained. *The American Dental Education Association business meeting will occur during the first 15 minutes of the presentation.*

At conclusion, participants should be able to:

- Explain the realities of academic life.
- Describe the differences between academic faculty series.
- Identify realities of private practice income versus university income.

**S-200** *continued*

**Ballrooms A-B/VCEC**

## Live Microsurgeries on Posterior Teeth and Implants in an Edentulous Posterior Area



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

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

See page 37 for a complete session synopsis.

**S-201** *continued*

**Room 18/VCEC**

## Endodontics and Implants: Optimal Patient Care Through Diagnosis, Treatment Planning, Surgery and Tissue Preservation

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

See page 37 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 Friday from 3:30 - 5 p.m.

**EndoVision: Ballroom C**

**PBS Endo: Room 1**

**TDO: Rooms 2-3**

Friday

Sessions designed for:

Educators Resident and New Practitioners Endodontic Team

Workshop

Not accepted by the Dental Board of California

# Educational Sessions

8 – 9:30 a.m.

**NS-300**

**Ballroom C/VCEC**

## Avoiding the Injudicious use of Antibiotics or the Bugs may get us in the End



Thomas J. Pallasch, D.D.S., M.S.  
*Alexandria, Va.*

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

Some are calling today the “end of the antibiotic era,” as at least five panantibiotic-resistant micro-organisms currently afflict the human race—*Pseudomonas aeruginosa*, *Acinetobacter baumannii*, *Klebsiella pneumoniae*, *Mycobacterium tuberculosis* and HIV. Some strains of these organisms are totally resistant to all oral and parenteral antimicrobials. Some predict that in eight to ten years we may have a new antibiotic with a unique mechanism of action. Hope is fading that if antibiotic use is restricted, these organisms and others will revert once again to antimicrobial sensitivity. Some may but others will not as resistance genes have become necessary for their survival. The ability of these micro-organisms to outwit us at every turn is nothing short of remarkable.

At conclusion, participants should be able to:

- List five reasons why antibiotic microbial resistance has become so prevalent.
- Describe five mechanisms whereby micro-organisms exhibit resistance to antimicrobials.
- Describe current measures to reduce epidemic antibiotic resistance in microorganisms.

**P-300**

**Room 15/VCEC**

## Pain Management in Medically Complex Dental Patients



Karen A. Baker  
*Iowa City, Iowa*

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

Dental patients are increasingly medically compromised and medicated to the point that safe prescribing is a formidable challenge. This session will present therapeutic options for pain control in endodontics with respect to drug-disease and drug-drug interactions. The drug and disease combinations that must be avoided will be compared to those which can be managed with extra precautions. Throughout this lecture, emphasis will be placed on how to control and alleviate pain by systematically evaluating medically complex dental patients. Current and very detailed handouts will enhance the chair-side value of this fast-paced and practical lecture.

At conclusion, participants should be able to:

- Discuss the chronic medical conditions significantly affected by opioids and NSAIDs.
- Describe the clinically relevant drug interactions with opioids and NSAIDs.
- Explain clinical evaluation strategies which lead to safe pain management in medically complex dental patients.



# Educational Sessions

**PM-300**

**Ballrooms A-B/FW**

## **Maximize Your Endodontic Potential: Management and Marketing Strategies for Ultimate Practice Success**



**Roger P. Levin, D.D.S.**  
*Owings Mills, Md.*

*Moderator: Thomas E. Bianchi, D.D.S.*  
*Stockton, Calif.*

This session will focus on results-driven strategies that boost production, increase referrals and generate greater profitability while reducing stress. High-performance endodontic systems and a strong referral-based marketing program are key to driving explosive endodontic growth. Many endodontic practices are operating with outdated systems that lead to inefficiency, high overhead and decreased profitability. Implementing updated systems, in combination with a consistent, targeted, referral-based marketing program, will result in ultimate practice success.

At conclusion, participants should be able to:

- Analyze their practice systems for inefficiencies and bottlenecks.
- Implement marketing strategies that target current and new referring doctors.
- Apply the seminar information to begin building a better practice for now and the future.

**PS-300**

**Ballroom C/FW**

## **Creating Customer Loyalty Through Customer Service Excellence**



**Jane Peck, R.N., M.B.A.**  
*Colorado Springs, Colo.*

*Moderator: Marci Simpson Neary*  
*West Des Moines, Iowa*

Customer satisfaction appears to no longer be enough in today's specialty dental marketplace to ensure continued referrals. Creating loyalty from our referral practices must be our goal. This presentation will provide the attendee with an overview of the marketplace for today's dental specialty services. The foundations of building a marketing program focused on customer service excellence with the goal of creating a loyal referral base will be discussed. Other topics include evaluating who are your key customers from an external and internal perspective, specific approaches to enhance internal and external customer service, tools to evaluate your success and areas for improvement.

At conclusion, participants should be able to:

- Discuss the process of creating a marketing program focused on customer service excellence, given today's marketplace for dental specialty services.
- Evaluate strengths and weaknesses of customer service processes in their own offices.
- Describe customer service tools that create loyalty in our customer base.

Saturday

**Sessions designed for:**

 **E** Educators  **RNP** Resident and New Practitioners  **T** Endodontic Team

 **W** Workshop

 **N** Not accepted by the Dental Board of California

# Educational Sessions

8 – 9:30 a.m. (cont.)

**SP-300**

**Ballroom A/VCEC**

## **A New Era for NiTi Rotary Instrumentation: Improving the Alloy (8 – 8:45 a.m.)**



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

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

Canal preparation has become extremely efficient using NiTi rotary files. However, the major disadvantage of instrument failure remains. File designs have been modified extensively to improve flexibility and fatigue resistance, yet there has been no significant improvement in the manufacturing process, or the alloy used for file construction. An improved NiTi alloy has been introduced to provide superior mechanical properties. This lecture discusses clinical advantages of new rotary files incorporating this innovative manufacturing process.

At conclusion, participants should be able to:

- List the advantages and limitations of current NiTi rotary instruments.
- Describe the technological improvements involved in the innovative manufacturing process to produce an improved NiTi alloy.
- Evaluate the optimized mechanical properties of new rotary files that incorporate the innovative technology.

## **A New Era for NiTi Rotary Instrumentation: Anatomical Considerations of Canal Preparation Objectives (8:45 – 9:30 a.m.)**



Manish Garala, B.D.S., M.S.  
*Houston, Texas*

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

Existing instrumentation systems and preparation techniques possess significant limitations, preventing the fulfillment of ideal biologic objectives for root canal preparation. This presentation will highlight the existing deficiencies and inefficiencies where improvements are necessary. An instrument system with improved metallurgical properties has been developed attempting to overcome these limitations. Its proposed benefits will be presented using micro CT-based research.

At conclusion, participants should be able to:

- Recognize common misconceptions in canal instrumentation.
- Implement extensive modifications to existing canal preparation techniques using new file systems with hybrid preparation protocols.
- Discuss how improved instrument properties and appropriate preparation sequences should increase the predictability of achieving the desired objectives of root canal preparation.

## SP-301

## Ballroom B/VCEC

### Decision Making: Root Canals or Implants—Let's Stop the Debate and Understand the Rationale (8 – 8:45 a.m.)



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

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

Endodontists often face the challenges to choose between nonsurgical/surgical retreatment or extraction and implant placement. This computer-animated presentation will demonstrate how advancement 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 rest 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).

### Challenges in Dealing With Separated Instruments During Root Canal Treatment (8:45 – 9:30 a.m.)



Leslie C.H. Ang, B.D.S., M.S.  
Singapore, Singapore

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

A review and comparison of the most current methods of retrieving separated instruments are given. A practical approach to overcome problems when retrieving instruments that are extruded past the apical foramen, lodged in the apical third of canals and located in curved canals will be provided. In the area of new innovation, ultrasonic tips made from niobium titanium have rectified the shortcomings of steel or regular titanium alloy ultrasonic tips to make instrument retrieval easier.

At conclusion, participants should be able to:

- Discuss why the new niobium-titanium ultrasonic tips are unique and better than steel or regular titanium alloy ultrasonic tips in overcoming difficulties associated with retrieving separated instruments.
- Describe the different and most current techniques of retrieving separated instruments and how to select which retrieval method to use in various situations including fiber posts.
- Assess and retrieve separated instruments around curves and in the apical one-third of the canal.



# Educational Sessions

8 – 9:30 a.m. (cont.)

**SP-302**

**Rooms 2-3/VCEC**

## Endodontic Management of Immature Teeth—Conservation of Stem Cells for Regeneration (8 – 8:45 a.m.)



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

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

Pulp tissue of immature teeth has shown remarkable healing ability. Accumulated clinical evidence convincingly suggests a paradigm shift for treatment of immature teeth via more conservative approaches, i.e., inclining toward apexogenesis instead of apexification. This presentation will review and describe clinical protocols for the management of these cases. Additionally, recent discovery of stem cells residing in apical dental papilla of developing teeth and their potential role in pulp healing and root maturation will be discussed.

At conclusion, participants should be able to:

- Describe the clinical approaches for the management of immature teeth.
- List the characteristics of apical papilla stem cells.
- Discuss the healing potential of immature teeth.

## Novel Strategies to Enhance Function, Survival and Regeneration of Pulp (8:45 – 9:30 a.m.)



Anahid Jewett, Ph.D., M.P.H.  
Los Angeles, Calif.

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

The presentation will focus on the following three areas of *in vitro* and *in vivo* pulpal regeneration—the mechanisms of death in Dental Pulp Stromal Cells; characterization of a chemical inhibitor, which prevents death of the DPSC and restores their functions under a number of conditions; and a recently characterized subset of immune effectors, which

either used alone or in combination with the chemical inhibitor, promote maximal differentiation of DPSC.

At conclusion, participants should be able to:

- Describe how DPSC die.
- List the strategies to use to prevent the death of DPSC and restore their function.
- Discuss how to promote differentiation of DPSC.

**SP-303**

**Rooms 11-12/VCEC**

## Piezosurgery in Endodontics



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

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

This workshop will cover the piezosurgery unit, including indications for bone surgery and its use in endodontic surgery throughout the oral cavity, especially the maxillary sinus and mandibular molars. Participants will be provided with a background and understanding of the piezosurgery unit, the various uses of the piezosurgery unit in bone surgery and an in-depth knowledge of the use of the piezosurgery unit in endodontic surgery.

At conclusion, participants should be able to:

- Describe the operation of the piezosurgery unit.
- List the various endodontic indications.
- Utilize piezosurgery in endodontic surgery.

10 – 11:30 a.m.

**NS-301**

**Ballroom C/VCEC**

## Regenerative Endodontics: Current State of the Science



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

*Moderator: James C. Kulild, D.D.S., M.S.  
Kansas City, Mo.*

This session will review the principles of tissue engineering from the perspective of developing endodontic procedures where the goal is to regenerate pulp tissue in our patients. The session will start with case reports to illustrate current techniques and then review the biological principles from the perspective of developing new endodontic procedures for the specialist.

At conclusion, participants should be able to:

- Describe the biological principles of tissue engineering.
- List the clinical principles needed for regenerative endodontic procedures.
- Describe clinical outcomes of successful regenerative endodontic procedures.

**NS-302**

**Room 1/VCEC**

## Endodontic Treatment of the Medically Compromised Patient: An Update



Geza T. Terezhalmay, D.D.S., M.A.  
San Antonio, Texas

*Moderator: Karl Keiser, D.D.S., M.S.  
San Antonio, Texas*

Today's clinicians treat more medically and pharmacologically compromised patients than ever before. This presentation will provide evidence-based knowledge essential for risk stratification of patients and the development of appropriate diagnostic, preventive and therapeutic strategies commensurate with a patient's ability to undergo and respond to dental care.

At conclusion, participants should be able to:

- Discuss the pathophysiology of disease states of special interest.
- Discuss the current and accepted therapeutic interventions for disease states of special interest.
- Identify high-risk patients and develop management strategies in accordance with the patient's medical and pharmacological status.

**P-301**

**Room 15/VCEC**

## Where are we With Local Anesthetics? Types of Solutions for Mandibular Anesthesia, Articaine Update and Intraosseous Anesthesia



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

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

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. Four important areas that will be examined are: why anesthesia fails in mandibular teeth; the latest information on articaine; triazolam sedation; and how to integrate routine anesthesia with leading-edge intraosseous technologies. The 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 effectiveness of sublingual triazolam in patients with irreversible pulpitis.
- Develop specific procedures, using intraosseous technologies for insuring profound anesthesia for patients presenting with irreversible pulpitis.

# Educational Sessions

10 – 11:30 a.m. (cont.)

## PM-300 *continued* Ballrooms A-B/FW

### Maximize Your Endodontic Potential: Management and Marketing Strategies for Ultimate Practice Success

Roger P. Levin, D.D.S.

Owings Mills, Md.

Moderator: Thomas E. Bianchi, D.D.S.

Stockton, Calif.

See page 51 for a complete session synopsis.

## SP-303 *continued* Rooms 11-12/VCEC

### Piezosurgery in Endodontics

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

Pittsburgh, Pa.

See page 54 for a complete session synopsis.

## SP-304 Ballroom A/VCEC

### Integration of a Family of Intracanal NiTi Instruments for Predictable Outcomes (10 – 10:45 a.m.)



James L. Gutmann, D.D.S.

Dallas, Texas

Moderator: Ove A. Peters, D.M.D., M.S., Ph.D.

Mill Valley, Calif.

While NiTi endodontic instruments have a wide range of physical characteristics and properties, their applications in highly variable tooth anatomy cannot always follow a cookbook method. This presentation will detail the creative use of a “family” of instruments in an integrated and possibly unorthodox fashion to meet the challenges of the tooth anatomy during cleaning and shaping.

At conclusion, participants should be able to:

- Identify key aspects of newer NiTi instruments and how these unique characteristics, when properly applied, can aid in predictable cleaning and shaping of the root canal system.

- Detail unique, integrated applications of three distinct NiTi systems.
- Identify anatomical challenges that encourage the proposed integrated approach.

### Integrating Plastic Rotary Files and Ultrasonic Tips Into Your Conventional Endodontic Treatment (10:45 – 11:30 a.m.)



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

Milwaukee, Wis.

Moderator: Ove A. Peters, D.M.D., M.S., Ph.D.

Mill Valley, Calif.

The advancement of polymer science and technology have allowed for the development of plastic endodontic rotary files and ultrasonic tips. With any new technology, an endodontist needs to be educated on the scientific research, and clinical advantages and disadvantages of plastic endodontic instruments. This lecture will provide up-to-date information on the research and clinical application of this new state-of-the-art file and ultrasonic tip technology.

At conclusion, participants should be able to:

- Understand the technology involved in creating plastic rotary files and ultrasonic tips.
- Understand the clinical advantages and disadvantages of plastic ultrasonic tips over metal ultrasonic tips currently used in conventional endodontic treatment.
- Understand the clinical advantages and disadvantages to plastic rotary files as compared to nickel-titanium rotary files that are currently used in conventional endodontic treatment.



## SP-305

## Ballroom B/VCEC

### Does Size Matter? (10 – 10:45 a.m.)



Raphael G.P. Bellamy, B.D.S.  
Dublin, Ireland

*Moderator: Jeffrey M. Coil, D.M.D., Ph.D.  
Vancouver, British Columbia, Canada*

The session is intended to raise participant awareness in the current trend in endodontic literature toward over enlargement/over preparation of root canals in order to eliminate bacterial substrate and their byproducts from the system.

At conclusion, participants should be able to:

- Justify the provision of conservative endodontic preparations conforming to Schilder's biological and mechanical objectives.
- Resist the temptation to remove excessive amounts of intraradicular dentine in order to clean the root canal and thereby weakening the tooth.
- Describe the actions, strength and potency of intracanal irrigants for optimum cleaning of root canal systems.

### Apical Preparation: Does Size Really Matter? (10:45 – 11:30 a.m.)



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

*Moderator: Jeffrey M. Coil, D.M.D., Ph.D.  
Vancouver, British Columbia, Canada*

The diameter of the apical portion is often regarded as the forgotten dimension in root canal treatment. Contemporary instrumentation techniques often lose sight of this dimension and only concern themselves with maintaining curvature and minimizing procedural errors. The purpose is to provide a solid foundation in making the clinical decision on where to stop in terms of apical size.

At conclusion, participants should be able to:

- Summarize the latest research on root anatomy to comprehend the canal's apical diameter.
- List the limitations and the solutions of nickel-titanium rotary instrumentation in regard to apical size.
- Use biological concepts to answer the clinical question: does size really matter?



# Educational Sessions

10 – 11:30 a.m. (cont.)

**SP-306**

**Rooms 2-3/VCEC**

## **Truth or Dare? Managing Patients With Reported Allergies to Materials Commonly Used in Endodontic Therapy (10 – 10:45 a.m.)**



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

*Moderator: James S. Tinkle, D.M.D.  
Portland, Ore.*

The prevalence of allergies and allergy-related diseases has increased significantly in recent years. Allergy to one or more substances is the single most common positive finding on the medical history questionnaire. Certain materials used in root canal therapy have the potential for eliciting an allergic reaction. Which patients really require modification of your usual treatment procedures? This presentation will cover allergy and pseudoallergy to local anesthetics, latex, intracanal medications, irrigating solutions and filling materials.

At conclusion, participants should be able to:

- Identify specific findings from the medical history questionnaire that are predictors of increased risk of an allergic reaction to materials used in endodontic therapy.
- Describe the two most common allergic reactions associated with exposure to dental materials.
- Describe appropriate treatment modifications to reduce the risk of an allergic reaction related to endodontic therapy.

## **Maxillary Sinusitis Versus Odontalgia—Diagnosis and Management of Maxillary Pain (10:45 – 11:30 a.m.)**



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

*Moderator: James S. Tinkle, D.M.D.  
Portland, Ore.*

Differentiating sinus pain from pulpal etiology is one of the more difficult diagnostic challenges facing clinicians. This

lecture explains and illustrates the etiology and symptoms of acute and chronic sinusitis, and its similarities and distinguishing differences to pain of dental origin. The goal is to help practitioners relieve patient discomfort through accurate diagnosis, appropriate treatment and prescription regimens, and communication with ENT specialists when necessary.

At conclusion, participants should be able to:

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

**SP-307**

**Room 13/VCEC**

## **Rapid-Flow Gutta-Percha Root Canal Filling Technique (10 – 10:45 a.m.)**



Jay Marlin, D.M.D.  
Boston, Mass.

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

This presentation will explain the concepts in the preparation and complete three-dimensional filling of the root canal system with plasticized gutta-percha without cones or solvents using the Obtura. Topics to be discussed include preparation to control flow, proper type and consistency of gutta-percha, needle selection and condensation to fill the root canal system.

At conclusion, participants should be able to:

- Update their present knowledge on filling root canal systems with gutta-percha.
- Discuss the concepts and approach to filling canal systems with a totally plastic filling material.
- Compare and contrast the rapid-flow filling technique with others.

# Educational Sessions

1:45 – 3:15 p.m.

## Computer Simulations—Using Technology in Endodontic Education (10:45 – 11:30 a.m.)



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

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

Dental education in the 21<sup>st</sup> century faces new challenges. Interactive computer simulations may provide new opportunities to teach tomorrow's dentists. These novel educational methods may effectively engage the student's attention, provide realistic learning environments and allow efficient delivery of complex curricular material. This program aims to present contemporary and recent data on the use of such technologies in endodontic predoctoral education.

At conclusion, participants should be able to:

- Describe the rationale for using computer simulations in endodontic education.
- List examples of programs that have been developed in different schools for this purpose.
- Describe the necessary IT infrastructure and support for development and delivery of these computer programs.



## NS-303

## Ballroom C/VCEC

### The Endodontic Therapy is Completed—Or is It?



J. William Robbins, D.D.S., M.A.  
San Antonio, Texas

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

Endodontic treatment can only be considered complete after the placement of a definitive restoration. There are many choices and techniques for these restorations, which is the reason that there is much confusion surrounding the restoration of the endodontically treated tooth. Restorative options for anterior and posterior endodontically treated teeth will be discussed using a case-based format.

At conclusion, participants should be able to:

- Describe the restorative options for the anterior endodontically treated tooth.
- Describe the restorative options for the posterior endodontically treated tooth.
- Describe the retention and resistance triads.



Saturday

Sessions designed for:

**E** Educators **RNP** Resident and New Practitioners **T** Endodontic Team

**W** Workshop

**✗** Not accepted by the Dental Board of California



# Educational Sessions

1:45 – 3:15 p.m. (cont.)

**NS-304**

**Room 1/VCEC**

## Will the Treatment be Successful, Doc?



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

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

Being able to access Internet-based resources, patients today are frequently well informed about suggested treatments. They want to know the prognosis and may challenge the information provided by the endodontist. To confidently cope with such challenges, endodontists must be well versed in the prognosis associated with endodontic treatments. This lecture will outline the considerations in the study of prognosis, and provide up-to-date information about the prognosis of endodontic treatment and the factors that influence it.

At conclusion, participants should be able to:

- Describe the methodological considerations for clinical research aimed at studying the prognosis.
- Summarize the prognosis of nonsurgical endodontic treatment, mainly the potential for apical periodontitis to heal.
- List the clinical factors that have been shown (and those that have not) to influence the prognosis of nonsurgical endodontic treatment.

**P-302**

**Room 15/VCEC**

## Genetic Influences on Acute Pain and Analgesia



Raymond Dionne, D.D.S., Ph.D.  
Baltimore, Md.

*Moderator: Badri Jureidini, D.D.S., M.S.  
Edina, Minn.*

While almost 50 years has elapsed since the discovery of the structure of DNA, genetic research in pain is just beginning. Sensory input is filtered through an individual's genetic

composition, prior experience, physiologic status, idiosyncratic appraisals, expectations, mood and sociocultural environment. This session will present concepts related to the genetic influences on clinical pain and analgesia that may help clinicians, someday, provide treatments based on each individual's unique profile.

At conclusion, participants should be able to:

- Describe the components of pain processing and analgesia that contribute to each individual's unique response to tissue injury.
- Describe the current status of genetic influences on pain sensitivity in humans.
- Describe the molecular-genetic mechanisms of pain and analgesia in humans.

**PM-301**

**Ballrooms A-B/FW**

## Effective Marketing, Growing and Maintaining a Group Practice



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



Manish Garala, B.D.S., M.S.  
Houston, Texas



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

*Moderator: William Lee Beasley, D.D.S., M.S.  
Oklahoma City, Okla.*

This panel of group practitioners will discuss the variables involved in successfully initiating and managing a group practice. They will cover a variety of topics such as site location, day-to-day patient flow, local marketing and many other challenges involved in maintaining a group practice. This panel discussion will offer ideas for the attendee to consider and then obtain feedback from the speakers.

# Educational Sessions

At conclusion, participants should be able to:

- Identify variables that are involved in selecting a specific office location.
- Outline patient scheduling and patient flow concerns.
- Describe several concepts of local marketing.

## PS-301

## Ballroom C/FW

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



Karen A. Baker  
*Iowa City, Iowa*

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

The resurgence of herbal medicine has produced confusion and conflict among health care providers and patients alike. During this program, we will discuss the dental treatment impact of popular systemic supplements, as well as the effectiveness of alternative products promoted for treatment of oral diseases. A discussion of reliable information sources and step-wise strategies for evaluating and managing patients taking herbal medications will be held. A practical and detailed handout will be provided to allow participants to apply this information to their practice.

At conclusion, the participant should be able to:

- Buy and use a science-based herbal reference, recommend information sources for patients and describe valid medical uses for the top 20 systemic herbal medications.
- Recognize the dental impact of common systemic herbal medications and dietary supplements.
- Select specific herbal oral health products with reasonable claims and safe ingredients, and discuss the effectiveness of herbal therapies and dietary supplements on gingivitis and periodontitis.

## PS-302

## Malaspina Room /FW

### Reporting Endodontic Procedures Through Dental Codes



Margot T. Kusinski, D.M.D., M.S.Ed., M.M.Sc.  
*Lititz, Pa.*



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 panel of dental code experts will provide information and answer questions to make coding easier to understand and report.

At conclusion, participants should be able to:

- Discuss the meaning and reporting of dental codes.
- Describe how to avoid bumps in the road.
- Apply this knowledge when submitting information to dental insurance carriers.

# Educational Sessions

1:45 – 3:15 p.m. (cont.)

**SP-308**

**Ballroom A/VCEC**

## Revolutionary Advances in MTA Technology and Clinical Application

(1:45 – 2:30 p.m.)



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

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

In the 1990s, the introduction of mineral trioxide aggregate material for endodontic applications created new treatment possibilities for a multitude of endodontic challenges. By using MTA, many teeth have been retained, although the material has posed many clinical challenges in its management. This presentation will address the applications of materials science, regenerative thought and clinical need for a revolutionary calcium silicate material for predictable outcomes in surgical and nonsurgical indications.

At conclusion, participants should be able to:

- Identify the major physical changes that have occurred with the re-engineering of the MTA material and why these changes are important.
- Discuss the physical management of the new MTA material relative to its enhanced handling properties.
- Identify clinical applications for this new material.

## The Coronal Seal Revisited (2:30 – 3:15 p.m.)



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

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

Complete debridement and the placement of a leak-proof coronal seal over the obturated root canal space are of utmost importance to the endodontic clinician. In recent years there has been a renewed emphasis on the quality and interface of obturation materials utilized to seal the radicular space. This presentation will concentrate on coronal restorative materials, both temporary and permanent.

Evidence for best practices in creating a coronal seal will be highlighted. In addition, current research regarding when to prepare a dowel space will be presented in light of all seal considerations.

At conclusion, the participant should be able to:

- Discern the prognosis of endodontic procedures with good and poor restorative seals.
- Discern what type of temporary restorative material to choose and why it is suitable for each situation.
- Discern whether a barrier is needed and when a post space is optimally created.

**SP-309**

**Ballroom B/VCEC**

## Is Calcium Hydroxide Still Necessary in the Management of Cases With Lesions?

(1:45 – 2:30 p.m.)



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

*Moderator: A. Scott Cohen, D.D.S.  
Concord, Calif.*

The use of calcium hydroxide has been advocated extensively, particularly in the last two decades, for the management of cases with pulp necrosis and apical lesions. This session will discuss the available objective data on the use of calcium hydroxide to manage cases with infections and present some new data on its effectiveness. Combinations of calcium hydroxide and other medications will also be reviewed.

At conclusion, participants should be able to:

- List the basic principles of root canal disinfection and the effectiveness of currently available options.
- Describe the evidence available for the use of calcium hydroxide during endodontic treatment.
- Describe the mechanism of action and inaction of calcium hydroxide against micro-organisms.



## Biofilm in Endodontic Infections (2:30 – 3:15 p.m.)



Luis Chávez de Paz, D.D.S., M.S., Ph.D.  
Malmö, Sweden

*Moderator: A. Scott Cohen, D.D.S.  
Concord, Calif.*

In biofilm communities, the adaptive mechanisms of bacteria are significantly augmented for increased survival. Increasing information is now available on the existence of polymicrobial biofilms on root canal walls. The main objective of this presentation is to introduce the biofilm concept in endodontics and show evidence that endodontic infections, especially of the persistent kind, depends not on the robustness of single organisms, but on the adapting capability of bacterial biofilm communities.

At conclusion, participants should be able to:

- Discuss the biofilm concept and its importance in root canal infections.
- Correlate the clinical mechanisms controlled by the operator with the microbial-ecological parameters that challenge the adaptation of the microbial communities in root canals.
- Identify the biofilm models that could be implemented in future endodontic-microbiological research.

## SP-310 Rooms 2-3/VCEC

### Passive Ultrasonic Irrigation of the Root Canal: A Review and New Findings (1:45 – 2:30 p.m.)



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

*Moderator: David C. Brown, B.D.S.  
San Francisco, Calif.*

The presentation will explain the difference between passive ultrasonic irrigation and other methods of ultrasonic irrigation, and why PUI is the most efficient UI. Furthermore, it will explain why PUI is more efficient in removing dentine debris, bacteria (planktonic, biofilm) and pulp tissue from the root canal than hand- or sonic-activated irrigation. The presentation is based on a review of the literature and findings from new research.

At conclusion, participants should be able to:

- Describe the mechanisms of passive ultrasonic irrigation.
- Explain why passive ultrasonic irrigation is more efficient in dentine debris, bacteria (planktonic, biofilm) and pulp tissue removal from the root canal than other methods of ultrasonic-, hand- or sonic-activated irrigation.
- Create a treatment protocol for passive ultrasonic irrigation.

## Magnification and Illumination: A Synergistic Approach in Endodontics (2:30 – 3:15 p.m.)



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

*Moderator: David C. Brown, B.D.S.  
San Francisco, Calif.*

The use of magnification and illumination has catapulted the clinical practice of endodontics to a new level. This presentation will illustrate a myriad of ways in which magnification and illumination can synergistically work to achieve superior results. Challenging clinical cases will be used to demonstrate location of calcified and hidden canals, retreatment procedures including identification and removal of separated instruments and post removal. This presentation is especially suited to practitioners contemplating/beginning microscopy.

At conclusion, participants should be able to:

- Describe the advantages of using enhanced magnification and illumination during routine endodontic treatment.
- Cite several ways in which magnification and illumination can help with challenging endodontic cases.
- Apply the synergistic approach of magnification and illumination in clinical practice.

# Educational Sessions

1:45 – 3:15 p.m. (cont.)

## SP-311 Rooms 11-12/VCEC

### Rapid-Flow Gutta-Percha Root Canal Filling Technique



Jay Marlin, D.M.D.  
Boston, Mass.

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

With the basic knowledge of the rapid-flow technique, the participants will have an opportunity to work with each other. Teeth will be prepared with ProTapers and Profiles to shape canals to contain the flow of gutta-percha. Effective use of apex locators as an aid in NiTi canal preparation as it pertains to rapid-flow technique will be explained. The correct solutions will be used to open accessory canals and dentinal tubules. With sealer of correct consistency, the participants will use the Obtura to experience complete 3-D fillings of the root canal system without cones.

At conclusion, participants should be able to:

- Change their attitude and approach to filling the root canal system.
- Select the correct needles and temperature, gutta-percha, sealer and condensation to fill a variety of cases.
- Introduce the rapid-flow technique into their repertoire to increase efficiency in endodontic therapy.

*Please Note: Workshop registrants are encouraged to attend SP-307, an introductory session to the workshop; see page 58 for a description.*

3:30 – 5 p.m.

## NS-305 Ballroom C

### Biomechanics of Posts and Cores: Tent Stakes and Teeth



Stephan J. Haney, D.D.S.  
San Antonio, Texas

*Moderator: Karl Keiser, D.D.S., M.S.  
San Antonio, Texas*

This presentation is targeted at higher-order thinking about restoration of endodontically treated teeth. In the milieu of commercial products and hype, selecting appropriate applications for clinical situations can be a challenge. Some providers dismiss the challenge with a “one size fits all” approach, while others become gadgeteers constantly searching for the next “best thing.” The focus of this presentation is to reorient our thinking from products to clinical decision-making based on biomechanical needs.

At conclusion, participants should be able to:

- Describe the principal methods of mechanical failure of root canal-treated teeth.
- Relate the physical properties of teeth and various post and core alternatives to the predictive mode of failure.
- Analyze a clinical setting and select a post and core option that is biomechanically appropriate.

## NS-306 Room 1/VCEC

### Biofilms in the Infected Root Canal



J. William Costerton, Ph.D.  
Marina del Rey, Calif.

*Moderator: Asma A. Khan, B.D.S., Ph.D.  
San Antonio, Texas*

This illustrated lecture will report on studies to localize bacteria in the infected root canal, in a manner that distinguishes between necrotic human tissue and bacterial biofilms. The mechanism of the inherent resistance of biofilm bacteria to antibiotics will be discussed, as well as possible strategies for the reduction of the bioburden of root canal treatments.

# Educational Sessions

At conclusion, participants should be able to:

- Project the most probable locations and extents of bacterial biofilm formation in the untreated root canal.
- Discuss the refractory behavior of root canal infections with respect to antibiotic therapy.
- Assess the probability that root canal infections will require apicoectomies and/or revision.

## P-303

## Room 15/VCEC

### Understanding and Managing the Fearful Dental Patient



Henrietta I. Logan, M.A., Ph.D.  
Gainesville, Fla.

*Moderator: Alan S. Law, D.D.S., Ph.D.  
White Bear Lake, Minn.*

Large individual differences in the perception of the aversiveness of endodontic treatment present a challenge for care providers. Some of these individual differences are related to inter- and intravariability in stress and pain responses. Topics to be discussed include a review of the stress and pain response and biopsychosocial sources of variability. Strategies for effective communications that focus on reducing stress and pain among both caregiver and patient will be discussed.

At conclusion, participants should be able to:

- Describe the sources of variability in human responses to endodontic treatment.
- Apply this knowledge toward individualizing chairside communication with patients.
- Compare and contrast common stress management techniques.

## PM-302

## Ballrooms A-B/VCEC

### Improving Performance by Reducing Stress: A Psychologist's Perspective



Ben Bernstein, M.A., M.Ed., Ph.D.  
Oakland, Calif.

*Moderator: Van T. Himel, D.D.S.  
Memphis, Tenn.*

This seminar offers an original and practical model for reducing patient and practitioner stress. When stress is reduced, staff performance improves and the patient's visit becomes a positive one. A model will be shared that employs a self-diagnostic inventory and nine core tools to bring about calmness, confidence and focus in dental procedures. This lively and engaging talk utilizes scientific findings in a dynamic and light-hearted approach, integrating lecture and audience examples.

At conclusion, participants should be able to:

- Recognize the relationship between stress and performance.
- Calculate their individual stress/performance ratio.
- Utilize the three-pronged model for reducing stress.

## PS-301 *continued*

## Ballroom C/FW

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

Karen A. Baker  
Iowa City, Iowa

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

See page 61 for a complete session synopsis.



# Educational Sessions

3:30 – 5 p.m. (cont.)

**SP-311** *continued* **Rooms 11-12/VCEC**

## **Rapid-Flow Gutta-Percha Root Canal Filling Technique**

Jay Marlin, D.M.D.  
*Boston, Mass.*

See page 64 for a complete session synopsis.

**SP-312** **Ballroom A/VCEC**

## **Long-Term Radiographic and Histological Observation of Healing of Periapical Lesion Following Conventional Endodontic Therapy** **(3:30 – 4:15 p.m.)**



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

*Moderator: Ali A. Rezai, D.D.S.  
Oakland, Calif.*

Knowledge of periapical tissue healing following endodontic treatment is important for appropriate case selection and treatment decision-making. In addition, perceptions regarding the high success rate determine the retention of natural teeth rather than referral for an alternative. There is considerable agreement that immediately after endodontic therapy, inflammatory responses decrease, osteogenesis and angiogenesis increase, and periradicular tissues convert to their original architecture and function. The sequence of events leading to reappearance of PDL needs to be studied extensively.

At conclusion, participants should be able to:

- Describe the periapical tissue potential to healing.
- Describe the sequence of events taking place in periapical tissue healing.
- Describe the predictability of periapical healing despite the presence of overfilling.

## **Can Inflammatory Apical Cysts Heal After Endodontic Therapy? (4:15 – 5 p.m.)**



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

*Moderator: Ali A. Rezai, D.D.S.  
Oakland, Calif.*

Inflammatory apical cysts are believed to form by proliferation of epithelial cell rests in apical periodontitis. The epithelial cell rests are stimulated to proliferate by inflammatory mediators, proinflammatory cytokines, and growth factors released from local innate and adaptive immune cells. After irritants in the root canal are removed by endodontic procedures, the epithelial cells of apical cysts will regress by apoptosis or programmed cell death because of deprivation of inflammatory mediators, proinflammatory cytokines and growth factors.

At conclusion, participants should be able to:

- Describe the etiology of inflammatory apical cysts.
- Describe the mechanisms stimulating proliferation of epithelial cell rests and formation of inflammatory apical cysts.
- Describe apoptosis or programmed cell death and regression of inflammatory apical cysts.

# Educational Sessions

**SP-313**

**Rooms 2-3/VCEC**

## **Locating and Using Electronic Endodontic Evidence (3:30 – 4:15 p.m.)**



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

*Moderator: Kevin R. Edwards, D.D.S.  
Portland, Ore.*

As evidence-based clinical treatment gains popularity, credibility and acceptance, today's clinicians are faced with the challenges of recognizing, filtering and incorporating available information into their practices. This session will include specifics of locating and utilizing clinically relevant electronic endodontic evidence. Online databases, search engines, discussion forums, webinars, podcasts, videos, continuing education and global Web sites will be discussed.

At conclusion, participants should be able to:

- Recognize evidence-based endodontic relevant databases.
- Access online endodontic evidence.
- Include endodontic electronic evidence into an evidence-based clinical practice.

## **Root Canal Length Measurement—Efficiently, Effectively. . .Electronically! (4:15 – 5 p.m.)**



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

*Moderator: Kevin R. Edwards, D.D.S.  
Portland, Ore.*

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

At conclusion, participants should be able to:

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



Saturday

**Sessions designed for:**

**E** Educators **RNP** Resident and New Practitioners **T** Endodontic Team

**W** Workshop

**Not accepted by the Dental Board of California**

# Exhibits

## Exhibit Hall Schedule

<b>Thursday</b>	<b>10 a.m. – 6 p.m.</b>
<b>Friday</b>	<b>8 a.m. – 5:30 p.m.</b>
<b>Saturday</b>	<b>8 a.m. – 2 p.m.</b>

The AAE exhibit hall offers a plethora of options for your clinical and business needs. The balanced combination of exhibits allows you to peruse the latest in surgical products and procedures, and presents numerous services and technologies that will help you gain a competitive edge. Talk to representatives from major dental and medical suppliers, and take advantage of the many product discounts and special offers that are only available at the 2008 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.



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

**Bicon Dental Implants**  
800/882-4266  
[www.bicon.com](http://www.bicon.com)

**Brasseler USA**  
912/925-8525  
[www.brasselerusa.com](http://www.brasselerusa.com)

**CamSight Co., Inc.**  
877/477-2580  
[www.camsight.com](http://www.camsight.com)

**Carl Zeiss Meditec, Inc.**  
925/557-4121  
[www.meditec.zeiss.com](http://www.meditec.zeiss.com)

**Coltene/Whaledent, Inc.**  
800/221-3046  
[www.coltenewhaledent.com](http://www.coltenewhaledent.com)

**Dentsply International**  
800/887-0020  
[www.dentsply.com](http://www.dentsply.com)

**Dentsply Maillefer**  
800/662-1202  
[www.maillefer.com](http://www.maillefer.com)

**Dentsply Rinn**  
800/323-0970  
[www.rinncorp.com](http://www.rinncorp.com)

**Dentsply Tulsa Dental Specialties**  
800/662-1202  
[www.tulsadental.dentsply.com](http://www.tulsadental.dentsply.com)

**Designs for Vision, Inc.**  
800/345-4009  
[www.designsforvision.com](http://www.designsforvision.com)

**DEXIS Digital X-ray**  
888/883-3947  
[www.dexis.com](http://www.dexis.com)

**Discus Dental (Smart Endodontics)**  
800/422-9448  
[www.discusdental.com](http://www.discusdental.com)

**DOCS**  
206/812-7710  
[www.docseducation.com](http://www.docseducation.com)

**EI, EndoIngenuity-A Hu-Friedy Co.**  
877/343-6361  
[www.endoingenuity.com](http://www.endoingenuity.com)

**Elsevier Canada**  
866/276-5533  
[www.elsevier.ca](http://www.elsevier.ca)

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

**Endo-Shoppers Division of Darby Dental**  
800/464-3022  
[www.darbydental.com](http://www.darbydental.com)

**Endo/Tech (formerly Isolate Dental)**  
888/554-3636  
[www.endo-tech.com](http://www.endo-tech.com)

**EndoVision-Henry Schein Practice Solutions**  
801/763-9300  
[www.dental-specialty-software.com](http://www.dental-specialty-software.com)

**Eppes-Richards Consulting Group**  
850/509-8545  
[www.eppesrichardsconsulting.com](http://www.eppesrichardsconsulting.com)

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

**Gendex Dental Systems**  
888/275-5286  
[www.gendex.com](http://www.gendex.com)

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

**Guidance Endodontics**  
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)



**Intra Flow/Pro-Dex**  
714/546-4045  
[www.pro-dex.com](http://www.pro-dex.com)

**iSmile32, LLC**  
704/364-8295  
[www.ismile32.com](http://www.ismile32.com)

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

**J. Morita USA, Inc.**  
800/831-9600  
[www.jmoritausa.com](http://www.jmoritausa.com)

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

**Kavo Dental**  
800/323-8029  
[www.kavo.com](http://www.kavo.com)

**Levin Group, Inc.**  
410/654-1234  
[www.levingroup.com](http://www.levingroup.com)

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

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

**Maximum Dental, Inc.**  
201/617-1101  
[www.dentalmaximum.com](http://www.dentalmaximum.com)

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

**Metalift Crown & Bridge Remover**  
800/928-9289  
[www.metalift.com](http://www.metalift.com)

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

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

**Neo Dental International, Inc.**  
253/946-0814  
[www.neodental-intl.com](http://www.neodental-intl.com)

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

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

**Orascopic**  
800/369-3698  
[www.orascopic.com](http://www.orascopic.com)

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

**Palisades Dental**  
201/569-0050  
[www.palisadesdental-11c.com](http://www.palisadesdental-11c.com)

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

**Pentron Clinical Technologies**  
800/551-0283  
[www.pentron.com](http://www.pentron.com)

**Piezosurgery, Inc.**  
717/880-0343  
[www.piezosurgery.us](http://www.piezosurgery.us)

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

**Practice Builders**  
800/679-1262  
[www.practicebuilders.com](http://www.practicebuilders.com)

**PracticeWorks, Inc.**  
800/944-6365  
[www.kodakdental.com](http://www.kodakdental.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, Inc.**  
972/386-7222  
[www.pradmanendo.com](http://www.pradmanendo.com)

**RGP Dental**  
401/254-9695  
[www.rgpdental.com](http://www.rgpdental.com)

**Salvin Dental Specialties, Inc.**  
800/535-6566  
[www.salvin.com](http://www.salvin.com)

**San Diego Swiss Machining**  
858/571-6636  
[www.sdswiss.com](http://www.sdswiss.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)

**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)

**Tel-A-Patient**  
949/812-5684  
[www.telapatient.com](http://www.telapatient.com)

**TeleVox**  
800/644-4266  
[www.televox.com](http://www.televox.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)

**Verio Dental**  
604/688-4917  
[www.veriodent.com](http://www.veriodent.com)

# Special Events

Location Key: FW = Fairmont Waterfront, PP = Pan Pacific, VCEC = Vancouver Convention and Exhibition Centre

## Wednesday

### International Reception (by invitation)

5:30 – 6:30 p.m. Ocean View Suites 5 – 7/PP

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.

### Welcome Reception

6:30 – 8 p.m. Lobby Level/PP

Join your friends for this welcoming celebration in the Pacific Northwest! This stylish evening will take place in the lobby of the Pan Pacific Vancouver Hotel. Enjoy panoramic vistas of Vancouver's magnificent harbor, the Coast Mountains and famous Stanley Park.

## Thursday

### Opening Session

8 – 10 a.m. Hall A/VCEC



Shepard S. Goldstein, D.M.D.

Be a part of the opening festivities for the 2008 Annual Session during this breakfast event. Dr. Shepard S. Goldstein, AAE president, will present the keynote address. In addition, attendees will receive an overview of the many different activities planned for the days ahead.

## Thursday (cont.)

### Louis I. Grossman Memorial Luncheon

Noon – 1:30 p.m. Crystal Pavilion/PP

**\$45 per person includes luncheon service and program**

Sponsored by the College of Diplomates, this year's luncheon program will acknowledge endodontists who achieved Board certification during 2007. Family members, ABE directors, the AAE Executive Committee and other Diplomates will gather to share this moment of recognition.



Speaker: John I. Ingle, D.D.S., M.S.D.

A pioneer in the specialty of endodontics, Dr. Ingle is most widely known for his authoritative text, *Endodontics*, first published in 1965. He is a Diplomate of the American Board of Endodontics and the American Board of Periodontology; and a Fellow of the American Association for the Advancement of Science, the Federation Dentaire Internationale and both the American and the International Colleges of Dentists. He has authored more than 75 papers on dentistry and education, and lectured around the world. Dr. Ingle is the recipient of many awards, including the AAE Ralph F. Sommer and the Edgar D. Coolidge Awards.

### 2007-2008 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  
Marc Balson, D.D.S., Director  
Charles J. Cunningham, D.D.S., Director  
Sandra Madison, D.D.S., M.S., Director  
Debra A. Meadows, D.D.S., Director  
Keith V. Krell, D.D.S., M.S., M.A., ABE Consultant  
Susan Hawkinson, Administrative Secretary

## Friday

### Fun Run and Walk

**6 a.m.** **Departs from the main entrance/PP**

Bring your athletic gear and join fellow AAE members, family and friends for a refreshing and scenic morning workout along the Pacific Ocean between the downtown area and Stanley Park. Enjoy a route suitable for athletes of all levels in this breathtaking city!

### Yoga

**6 – 7 a.m.** **Ocean View Suites 5-6/PP**

Complimentary to all Annual Session registrants, enjoy classic yoga postures that help you reduce stress and increase strength and flexibility. These sessions are approximately half stretching poses and half strengthening and toning poses, all combined with proper breathing and grounding techniques. A complete mind and body workout for all experience levels!

### General Assembly

**7:30 – 9 a.m.** **Hall A/VCEC**

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's Constitution and Bylaws. Your colleagues will also be installed as next year's officers and directors of the AAE, AAE Foundation and the American Board of Endodontics.

### Resident Reception (by invitation)

**5 – 6:30 p.m.** **Concourse Level/FW**

This annual event is designed exclusively for the endodontic resident. Don't miss this valuable opportunity to network and enjoy food and drink immediately following the Resident and New Practitioner Career Fair. All residents are encouraged to attend.

*Sponsored by Treloar and Heisel, Inc.*

## Friday (cont.)

### Celebrate Vancouver!

**9 p.m. – midnight**

**Commodore Ballroom  
868 Granville St.**

Plan to experience Canada's premier concert hall first-hand when you dance the night away at the Commodore Ballroom. For 75 years, this club has been synonymous with Vancouver's entertainment and nightlife scenes. Winner of countless awards, the Commodore Ballroom, with its legendary sprung dance floor, is the perfect venue for this annual party! Transportation will be provided from the Pan Pacific and Fairmont Waterfront hotels. The Commodore Ballroom is a short walk from the Fairmont Vancouver and Hyatt Regency.

*Sponsored by*



## Saturday

### Yoga

**7 – 8 a.m.**

**Ocean View Suites 5-6/PP**

Complimentary to all Annual Session registrants, see full description under Friday.

### AAE Foundation Leadership Donor Reception (by invitation)

**6:30 – 7:30 p.m.**

**Cypress Suite/PP**

This second annual event honors the AAE Foundation's leadership donors.

*Sponsored by SybronEndo*

### Edgar D. Coolidge Luncheon

**11:30 a.m. – 1:30 p.m.**

**Hall A/VCEC**

Be a part of the ceremonies to acknowledge recipients of the AAE's highest honors. 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*



# Special Events

## Saturday (cont.)

### President's Dinner

7 p.m. – Reception, Delegate Concourse/VCEC

8 p.m. – Dinner and Entertainment, Hall A/VCEC

\$35 per person includes dinner, wine service and entertainment



Emmy-award winning comedian **Dana Carvey** will be welcomed to the stage as the entertainment during this year's President's Dinner!

A repertory member of *Saturday Night Live* for seven seasons, Carvey is best known for his characters the Church Lady; Hans, of the Hans and Franz body-building duo; Garth, Wayne Campbell's (Mike Meyer's) "Excellent Co-Host" on the immensely popular sketch "Wayne's World;" and the Grumpy Old Man on the "Weekend Updates" segment. Following his departure from *Saturday Night Live* in 1992, Carvey starred in the blockbuster film *Wayne's World*, based on the hit *Saturday Night Live* sketch, followed by the sequel, *Wayne's World 2*, in 1993. In

addition, he hosted television's 1992 MTV Music Awards, co-starred in two pilots, and joined Billy Crystal, Robin Williams and Robert Klein in the Showtime special *Salute to the Improvisation*. In 1995, he performed stand-up in his own HBO comedy special *Critics Choice*.

In addition to these characters, Carvey has received widespread praise for his uncanny comedic impersonations of such political figures as former President George Bush, H. Ross Perot, Jerry Brown, David Duke and Bob Dole.

**Please Note:** *The President's Dinner is a ticketed event for all attendees. If you are planning to attend, you must purchase a ticket(s). Space is limited and the event is expected to sell out prior to the deadline. Tickets will be sold through March 28, or until the event is full, whichever occurs first. On-site ticket sales will be subject to availability.*

*Ticket holders should obtain a table assignment during on-site registration hours. Tables are reserved on a first-come, first-served basis. Group seating requires that a ticket be presented at the same time for each person in your group. The maximum seating per table is 10. Ticket holders without an assigned table on the evening of the event will be granted an assigned seat; however, multiple seats at the same table cannot be guaranteed. The President's Dinner desk will be located in the AAE Registration and Information area.*

Entertainment sponsored by

**Smart**<sup>™</sup>  
**ENDODONTICS**

DISCUS DENTAL

# Award Winners

The following individuals will receive these AAE achievements during the 2008 Annual Session:

## Edgar D. Coolidge Award



Seymour Oliet, D.D.S.  
The AAE's highest honor is presented to an individual who has displayed leadership and exemplary dedication to dentistry and endodontics.

## Edward M. Osetek Educator Award



Anne E. Williamson, D.D.S., M.S.  
Presented to a full-time educator with less than 10 years teaching experience, who has earned the esteem and respect of students and faculty associates.

## Louis I. Grossman Award



Shimon Friedman, D.M.D.  
Recognizes an author for cumulative publication of significant research studies that have made an extraordinary contribution to endodontics.

## 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.

## I.B. Bender Lifetime Educator Award



Arne M. Bjorndal, 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.

## Lifetime Dental Community Volunteer Award



William D. Powell,  
D.D.S., M.S.

## New Practitioner Dental Community Volunteer Award



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





# Alumni and Affiliate Functions

Location Key: FW = Fairmont Waterfront, FV = Fairmont Hotel Vancouver, HR = Hyatt Regency, PP = Pan Pacific

## Wednesday

Air Force Association of Endodontists	Meeting: 5 – 6 p.m. Rooms 2-3/VCEC
Army Association of Endodontists	Reception: 5:30 – 6:30 p.m. Ocean View Suite 8/PP
Baylor University	Reception: 8:30 – 11:30 p.m. Ocean View Suites 5-6/PP
University of Detroit Mercy	Reception and Dinner: 8:30 p.m. Offsite
University of Minnesota	Reception: 5 – 6:30 p.m. Gazebo II/PP

## Thursday

Albert Einstein Endodontic Alumni Society	Reception: 6:30 – 8 p.m. Gazebo I/PP
Boston University	Reception: 7 – 10 p.m. Cypress Suite/PP
Case Western Reserve University	Reception: 5 – 7 p.m. Nootka/FW
Harvard University	Dinner: 6:30 – 10:30 p.m. Ocean View Suite 6/PP
Louisiana State University	Reception: 6 – 8 p.m. Princess Louisa Suite/FW
Lutheran Medical Center	Reception: 6 – 8 p.m. Burrard Suite/FW
Michigan Association of Endodontists	Reception: 6:30 – 8:30 p.m. Vancouver Island/FV
New York University	Reception: 6 – 8:30 p.m. Pacific Rim Suite II/PP
Nova Southeastern University	Reception: 8:30 – 10 p.m. Waddington/FV
Ohio State University	Reception: 6:30 – 10 p.m. Crystal Ballroom C/PP
Oregon Health & Science University	Reception: 6:30 – 8 p.m. Pacific Rim Suite I/PP
St. Louis University	Reception: 6 – 8 p.m. Offsite
State University of New York at Buffalo	Reception: 5:30 – 7:30 p.m. Oxford/HR
Temple University	Reception: 6 – 8 p.m. Ocean View Suite 8/PP
Tufts University	Reception: 6 – 8 p.m. Crystal Ballroom A/PP

## Thursday (cont.)

University of California at Los Angeles	Reception: 6 – 8 p.m. Prince of Wales/HR
University of Illinois	Dinner: 6 – 9 p.m. Offsite
University of Iowa	Reception: 6 – 8 p.m. Ocean View Suite 7/PP
University of Louisville	Reception: 6 – 8 p.m. Seymour/HR
University of Maryland	Reception: 6 – 8 p.m. Tweedsmuir/FV
University of Missouri-Kansas City	Reception: 5:30 – 6:30 p.m. Tennyson/HR
University of North Carolina/Tarheel Endodontic Association	Meeting: 5 – 6 p.m. Reception: 6 – 7:30 p.m. Ocean View Suite 5/PP
University of Pennsylvania	Reception: 6 – 8 p.m. Coal Harbor Suite/PP
University of Pittsburgh	Reception: 6 – 8 p.m. Gazebo II/PP
University of Southern California	Reception: 7 – 9 p.m. Grouse/HR
University of Texas at San Antonio	Reception: 6 – 8 p.m. Crystal Ballroom B/PP
University of Washington	Reception: 6 – 8 p.m. Galiano Island/FV
U.S. Navy Association of Endodontists	Reception: 5:30 – 8:30 p.m. Cheakamus Room/FW
V.A. Long Beach Endodontic Alumni	Reception: 6 – 8 p.m. Gabriola Island/FV
Virginia Commonwealth University	Reception: 8 – 10 p.m. Garibaldi/FV

## Friday

Marquette University	Reception: 6 – 7 p.m. Ocean View Suite 2/PP
----------------------	--

## Saturday

Boston University	Breakfast Meeting: 7 – 9 a.m. Ocean View Suite 1/PP
U.S. Navy Association of Endodontists	Breakfast Meeting: 7 – 9:30 a.m. Ocean View Suite 2/PP

## Other Functions

### Wednesday

College of Diplomates Board of Directors	Meeting: 4:30 – 6:30 p.m. Nootka/FW
Endo Standards Group	Meeting: 1 – 5 p.m. Gazebo I/PP
International Federation of Endodontic Associations	Meeting: 3:30 – 5 p.m. Cheakamus/FW

### Thursday

International Federation of Endodontic Associations	General Assembly: 10 a.m. – noon Gazebo I-II/PP
African-American Endodontic Group	Reception: 8:30 – 10 p.m. Cypress/HR
French Society of Endodontists	Reception: 7:30 – 9:30 p.m. Stanley/HR
Harry J. Healey Endodontic Study Club	Reception: 6 – 9 p.m. Terrace Room/FW
South African Endodontic Group	Reception: 5:30 – 7 p.m. Brighton/HR

### Friday

#### Software User Group Meetings

All current users of the following companies' endodontic software programs are invited to attend a user group meeting on Friday, 3:30 – 5 p.m., at the Vancouver Convention and Exhibition Centre.

EndoVision: Ballroom C

PBS Endo: Room 1

TDO: Rooms 2-3

### Saturday

Triple O Editorial Board	Breakfast Meeting: 7 – 8:30 a.m. Ocean View Suite 8/PP
JOE Editorial Board Committee	Meeting: 7 – 10 a.m. Gazebo I/PP





## Alliance Activities

### **Dear Alliance Members, Spouses and Companions of AAE Members,**

As president of the Alliance of the American Association of Endodontists, I welcome all spouses and companions to Vancouver and invite you to participate in the Alliance activities. We have a wonderful breakfast planned with guest speaker, Dr. John Palmer, and encourage everyone to attend.

We will also be conducting a raffle to raise money for the AAE Foundation. The Alliance is offering a \$5,000 prize with \$100 chances. We will focus on selling chances at the Welcome Reception on Wednesday evening. As always, we can use volunteers to help during this event.

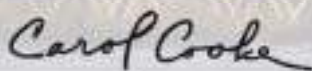
Stop by the Alliance hospitality suite, located in the Pan Pacific Hotel, for light refreshments, to catch up with friends or meet someone new. The suite number will be posted at the Alliance desk located in the AAE Information and Registration Area.

This year, our breakfast program and annual business meeting requires that you purchase a ticket in advance. The breakfast, business meeting and program are open to both Alliance members and nonmembers. The cost is \$35 for all participants, and you may purchase your ticket when you register for the meeting by checking the appropriate box in the "Additional Tickets" section of the registration form (see page 93).

Please stop by our Alliance desk for more information and updates about all that is in store for spouses, partners and friends of AAE members. We are here to help you enjoy your time during the 2008 Annual Session.

I look forward to greeting you in Vancouver!

Sincerely,

A handwritten signature in dark ink that reads "Carol Cooke". The signature is fluid and cursive, written over a light background.

**Carol Cooke**  
*AAE Alliance President*

# Alliance Activities

Location Key: PP = Pan Pacific

## Wednesday

### Alliance Raffle

6:30 – 8 p.m.

*Lobby Level/PP*

Alliance Raffle tickets will be sold during the Welcome Reception. To volunteer, please contact Rebecca Funderburk at [ppapoose@aol.com](mailto:ppapoose@aol.com).

## Thursday

### Hospitality Suite

9 – 11 a.m.

*Suite\*/PP*

### Board of Directors Meeting

4 – 6 p.m.

*Suite\*/PP*

## Friday



### AAE Alliance Breakfast Program

9 a.m. – noon

*Coal Harbor Suite/PP*

**\$35 per person includes breakfast service and program**

John T. Palmer, D.D.S., M.C., Registered Clinical Counselor

The evidence is in! Good relational health prolongs life and promotes physical and mental health. In his presentation, Dr. John Palmer will share material from marital research showing which factors predict marital breakdown and which predict successful long-term relationships. He will illustrate both dimensions from his own work and add interest with vignettes from popular movies. Plan to attend, and give yourself and your partner the gift of an improved relationship!

Dr. Palmer is director of the counseling program of the British Columbia Dental Association. Following an injury ending his 20-year dental career he returned to university to retrain in clinical counseling to work with others who are facing life challenges. Since receiving his master's degree, he has provided counseling services to dentists, their staff and families. He has a particular interest in promoting the health of committed relationships and families.

## Saturday

### Hospitality Suite

9 – 11 a.m.

*Suite\*/PP*

## AAE Alliance Board of Directors

### President

Carol Cooke (H. Groves)

### Secretary

Wendy Zent (Dennis)

### Treasurer

Becky Richards (Robert)

### Member-at-Large

Linda Powell (William)

### Immediate Past President

Janette Sonnenberg (Brent)

### Convention

Kerstin Conn (Douglas)

### Membership

Laura Walton (Richard)

### Newsletter Editor

Jocelyn Lance (James)

### Fundraising

Rebecca Funderburk (David)

### Historian

Jean Weller (Norman)

### AAE Board Liaison

Clara Spatafore, D.D.S., M.S. (Philip Bartling)

*\* The location for the suite will be posted at the Alliance desk located in the AAE Registration and Information Area.*



# General Information

## AAE Oasis

This all-purpose membership services area, located in the middle of the exhibit hall, is your one-stop shop for all things AAE. Visitors can peruse samples of AAE products and publications, learn about all the AAE Web site has to offer, speak with AAE staff and review job postings on the AAE Career Opportunities Exchange Board. There are also various information areas that are devoted to the public awareness campaign, educators, Step Up!, the American Board of Endodontics, the AAE Foundation, and also a sneak peek at the 2009 Annual Session in Orlando, Fla.

## Annual Session Shirts

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

## Attire

Business-casual attire is appropriate for all activities. Dressy casual is encouraged for the President's Dinner. For attire descriptions, please visit [www.casualpower.com/business\\_casual\\_tips/six\\_categories.html](http://www.casualpower.com/business_casual_tips/six_categories.html).

## Badges

Your name badge will be included in your on-site registration materials. This badge will admit you to all events included in your registration package (see page 93); therefore, please wear your name badge to all functions. Tickets are only required for events not included in your package. **Please take a moment to complete the emergency information found on the reverse side of your name badge.**

## Call for Presentations 2009

All AAE members are welcome to submit a presentation for the 2009 Annual Session in Orlando, Fla. The Call for Presentations will be published in the February, March and April issues of the *Journal of Endodontics* and posted on the Web site, [www.aae.org](http://www.aae.org), beginning January 2008. Or, stop by the AAE Oasis, located in the exhibit hall, for a copy of the submission guidelines.

## Career Opportunities Exchange

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

## Childcare

Guests requiring childcare may contact the concierge at your respective hotel for additional information.

## Continuing Education Credits/Units

Up to 24 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 submit the completed forms to the AAE by depositing them in the on-site receptacles 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. 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.



## Endo-Mail Kiosks

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 Registration and Information Area of the Vancouver Convention and Exhibition Centre.





# General Information

## Lost and Found

### Vancouver Convention and Exhibition Centre:

Call ext. 7299 from any house phone

**Hotels:** Call the hotel operator to be directed to the appropriate department

## Medical Assistance

An emergency technician will be stationed at major events and will be available during published meeting hours. The First Aid Room is located in the Vancouver Convention and Exhibition Centre lobby.

**Fairmont Vancouver:** Call ext. 77777 from any house phone

**Fairmont Waterfront:** Call ext. 0 from any house phone

**Hyatt Regency:** Call ext. 55 from any house phone

**Pan Pacific:** Call ext. 4500 from any house phone

### Vancouver Convention and Exhibition Centre:

Call ext. 2500 from any house phone

Medical facilities within close proximity to the VCEC and hotels:

#### Stein Medical Clinic

Bentall 5 Lobby, 188 - 550 Burrard St.

Phone: 604/688-5924

Open Monday-Friday, 8:30 a.m. to 5:30 p.m.

No appointment necessary

#### St. Paul's Hospital/Emergency Room

1081 Burrard St.

Phone: 604/682-2344

## No Smoking Policy

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

## Restaurant Suggestions

Vancouver's restaurant scene has exploded in the past few years offering world-class cuisine from every corner of the globe. Fine dining, casual or family-friendly restaurants are easily accessible throughout the city.

A list of "local favorites" recommended by your Vancouver colleagues will be made available on the AAE Web site in early 2008. Watch your e-mail for the latest meeting updates. In addition, your hotel concierge and the Tourism Vancouver Information Desk can provide you with local recommendations and assist you with reservations.

## Session Recordings and Handouts

Educational sessions will be recorded and made available at a discounted price to Annual Session attendees. Session handouts will be distributed onsite at the corresponding session and also made available online. Additional details will be distributed to registered attendees in advance of the meeting and onsite.

## Speaker-Ready Room

Presenters may preview their presentations or obtain assistance in Room 7 at the Vancouver Convention and Exhibition Centre during the following hours:

**Tuesday:** 3 – 7 p.m.

**Wednesday:** 7 a.m. – 5 p.m.

**Thursday:** 8 a.m. – 6 p.m.

**Friday:** 7 a.m. – 5 p.m.

**Saturday:** 7 a.m. – 3:30 p.m.

## Special Assistance

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

## Ticket Sales

On-site ticket sales are final and must be purchased at least 24 hours prior to the event on a first-come, first-served basis. Tickets for all attendees are required for the President's Dinner (see page 72 for details) the Pre-Session Symposium (page 17), workshops (page 15), the Louis I. Grossman Memorial Luncheon (page 70) and the AAE Alliance Breakfast Program (page 77).

## Vancouver Information

For more information on Vancouver and its many unique and beautiful sites, visit a Web site especially created for AAE Annual Session attendees, [www.tourismvancouver.com/planners/AmericanAssociationofEndodontists](http://www.tourismvancouver.com/planners/AmericanAssociationofEndodontists), or visit the Tourism Vancouver Information Desk located in the Vancouver Convention and Exhibition Centre lobby.

# Housing and Transportation

## Housing

---

The Advance Group has been designated as the Official Housing Bureau for the 2008 AAE Annual Session. The AAE group rate is not available by calling the hotel directly. AAE official hotels include:

**Fairmont Vancouver**  
**Fairmont Waterfront**  
**Hyatt Regency Vancouver**  
**Pan Pacific**

The Pan Pacific and Fairmont Waterfront are located closest to the Vancouver Convention and Exhibition Centre, while the Fairmont Vancouver and the Hyatt Regency are located four short blocks from the VCEC, and also close to Robson Street, Vancouver's main dining and shopping area.

### Rates

---

The following group rates will be offered to Annual Session attendees until February 22, 2008, or until the room blocks are filled. After this time, rates and reservations will be subject to availability. Rates are quoted in Canadian dollars, single or double occupancy, and subject to a Provincial Rooms Tax of 10 percent and a Goods and Services Tax of six percent per night.

**Fairmont Vancouver:** \$206  
**Fairmont Waterfront:** \$227  
**Hyatt Regency Vancouver:** \$171  
**Pan Pacific:** \$249

### Reservation Procedure

---

To make your reservation, go to the AAE Web site, [www.aae.org](http://www.aae.org), and click on the Annual Session icon found on the home page. Select "Housing Reservations" from the Quick Links menu on that page. If you don't have access to the Internet and require a reservation form, or if you are interested in a suite reservation, please call the Advance Group at 604/688-9655, ext. 1.

### Deposit/Cancellation Policy

---

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

## Travel and Transportation

---

### Air Travel

---

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

Simply call (or have your travel agent call) United's Meeting Desk at 800/521-4041 and refer to **Meeting ID# 578QH**.

### Airport Transportation

---

Taxi fare from the Vancouver airport to downtown Vancouver is approximately \$25.

Shuttle service between the airport and downtown is provided by Aeroporter for \$13.50 one way (\$21 round trip) and can be arranged upon arrival at the Aeroporter counter located in both the international and domestic terminals. Further information can be found by visiting Aeroporter's Web site, [www.yvrairporter.com](http://www.yvrairporter.com), or by calling 800/668-3141.

Limojet Gold Limousine Service is the official limousine service of the Vancouver International Airport. Reservations are encouraged by calling 800/278-8742 (North America) or 604/273-1331 (International). One-way fare is approximately \$40. Fares are noted in Canadian dollars.

### 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 all official hotels.

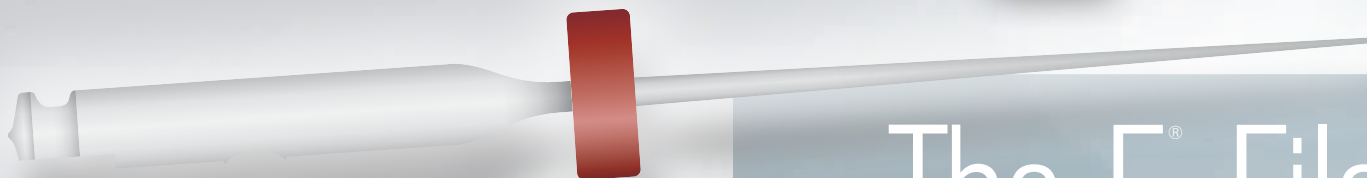
# plastic endo®

Plastic Innovations for Endodontics

## The P™ Tip

The world's first **plastic** endodontic ultrasonic tip.

- The P™ Tip **plastic** ultrasonic tip.
- These plastic ultrasonic tips provide a considerable **cost saving advantage** over the current metal ultrasonic tips on the market – only **\$6 per tip**.
- P™ Tips are **single-use** and are available in several different shapes.
- The P™ Tips have **diamond coated**, metal-reinforced tips to allow for better cutting efficiency.



## The F® File

The world's first **plastic** endodontic rotary finishing file.

- The F® File **plastic** rotary endodontic finishing file.
- Using this plastic rotary endodontic file provides a **time and cost saving** advantage over sonic or ultrasonic instrumentation.
- Plastic rotary finishing files are designed for **single-use**.
- This plastic rotary endodontic finishing file has a unique file design and diamond coating that enables the file to agitate sodium hypochlorite and remove remaining dentinal wall debris **without further enlarging the canal**.

**Usage:** The F® File is used as the last file prior to obturation of a canal. It replaces the use of sonic or ultrasonic instrumentation.

**Plastic Endo, LLC**  
TOLL FREE: 1.866.752.ENDO (3636)  
318 Half Day Road, #247  
Buffalo Grove, IL 60089  
[www.plasticendo.com](http://www.plasticendo.com)

P™Tip: US Patent Pending F®File: US Patent No. 6,443,730

We Sell Direct! To Place An Order, Please **Call** or **Go Online**



# Registration Information

## Methods of Registration

Please choose one of the following methods to register for the 2008 Annual Session.



### **Online: The Fastest, Most Efficient Way to Register!**

Members are encouraged to register using the AAE's online registration system. This secure site not only saves you time but provides instant confirmation. To register, go to the AAE Web site at [www.aae.org](http://www.aae.org), and click the Annual Session icon. 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**

Send your completed *Registration Form* with payment to:  
American Association of Endodontists  
Attn: Annual Session Registration  
211 E. Chicago Ave., Suite 1100  
Chicago, IL 60611-2691

## Payment

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

## Early Registration Discount

The early registration fee will be granted for registrations received by March 5, 2008. 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 5, 2008. Registration forms submitted via mail must be postmarked on or before March 5, 2008.

## Registration Deadlines

Registrations received via fax or postmarked after 11:59 p.m., CST on March 5, 2008, will not be processed. However, you may register online until 11:59 p.m., CST on March 28, 2008. After this date, you must register on site at the AAE Registration and Information desk at the Vancouver Convention and Exhibition Centre during the following days/times:

**Tuesday:** 3 – 8 p.m.  
**Wednesday:** 7 a.m. – 7 p.m.  
**Thursday:** 7 a.m. – 6 p.m.  
**Friday:** 7 a.m. – 5 p.m.  
**Saturday:** 7 a.m. – 5 p.m.

## 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.

## New Member Applications

To be eligible for a Professional, Student or Professional Staff package, applications for membership must be received prior to March 28, 2008.

## Cancellation Policy

Registrations will be refunded in full if the AAE receives written notification of cancellation by April 4, 2008. The Executive Director will review refund requests made in writing after this date as a result of emergencies or other serious events. Refunds for hands-on workshops will not be granted, regardless of the circumstance, after April 4, 2008. 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).

# Registration Information

## See Who's Registered!

Log on to [www.aae.org](http://www.aae.org) to see a real-time listing of who is registered for this year's Annual Session. Simply click on the Annual Session icon from the home page and choose "Registered Attendee List" from the Quick Links menu on the 2008 Annual Session main 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.



## 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 5)	Standard Fee
AAE Professional	\$575	\$675
AAE Student	\$125	\$225
AAE Professional Staff	\$170	\$270
AAE Alliance	\$130	\$180
Professional Guest (U.S.)	\$1,240	\$1,340
Professional Guest (Int'l)	\$690	\$790
Student Guest	\$690	\$790
Professional Staff Guest	\$690	\$790
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 Vancouver!*, Opening Session Breakfast, General Assembly Breakfast and Coolidge Luncheon.

**AAE Alliance Package:** Alliance membership dues, Welcome Reception, *Celebrate Vancouver!*, Exhibits.

**Family/Guest Package:** Welcome Reception, *Celebrate Vancouver!*, Exhibits.

**Please Note:** Tickets for all attendees are required for the President's Dinner (see page 72 for details), Pre-Session Symposium (page 17), all workshops (page 15), the Louis I. Grossman Memorial Luncheon (page 70) and the AAE Alliance Breakfast Program (page 77).

## Optional Tours and Activities



The following optional tours are being managed by Landsea Tours. If you have any questions regarding these activities, please contact the company by phone at 877/669-2277 (North America) or 604/255-7272 (International).

For complete tour descriptions, please visit the Landsea Tours Web site at <https://secure.vancouvertours.com/data/conferences/aae2008/>.

Rates include all taxes and admission charges, and are quoted in Canadian dollars.



### **Victoria Tour and Butchart Gardens by Bus**

**Operates Daily**  
**9 a.m. – 9:30 p.m.**

Drive aboard a ferry for a 90-minute cruise, starting a full-day of sightseeing to Vancouver Island, Victoria and the world-famous Butchart Gardens. Enjoy a tour of Victoria and Beacon Hill Park plus free time to explore on your own including admission to one of downtown Victoria's five main attractions.

**\$149 per person/early**  
**\$159 per person/on-site**



### **Vancouver City Tour**

**Operates Daily**  
**9 a.m. – 12:45 p.m.**  
**2 – 5:45 p.m.**

A great introduction to Vancouver including Stanley Park, Chinatown, Gastown, Canada Place and more. Enjoy stops to experience the Granville Island Public Market, as well as the gardens at Queen Elizabeth Park with admission to the Bloedel Floral Conservatory. Other stops are included along the way for photos and exploring.

**\$44 per person/early**  
**\$54 per person/on-site**



### **Victoria Tour and Butchart Gardens by Floatplane and Bus**

**Operates Daily**  
**8 a.m. – 9:30 p.m.**

Enjoy a spectacular 30-minute floatplane to Vancouver Island with stunning aerial views of Vancouver, the Gulf Islands and Victoria harbour. Enjoy a full-day of sightseeing to Vancouver Island, Victoria and the world-famous Butchart Gardens. Enjoy a tour of Victoria and Beacon Hill Park plus free time to explore on your own including admission to one of downtown Victoria's five main attractions. Attendees will return by bus and ferry.

**\$269 per person/early**  
**\$279 per person/on-site**



## Optional Tours and Activities



### Northshore and Grouse Mountain

**Operates Daily**  
**11 a.m. – 4:45 p.m.**

A half-day tour visiting Capilano Suspension

Bridge, the “Treetops Adventure” forest canopy walkway, the Capilano Salmon Hatchery and a boat ride across Vancouver Harbor. Enjoy the Grouse Mountain Skyride to the top of Grouse Mountain to see grizzly bears in the Refuge for Endangered Wildlife and get a spectacular birds-eye view of the city.

**\$99 per person/early**  
**\$109 per person/on-site**



### Dinner With the Belugas and Dessert With the Stars

**Thursday, April 10**  
**6:30 – 10:30 p.m.**

Sit below sea level and enjoy a fine west coast dining experience with the beluga whales at Canada’s largest aquarium. Dine directly beside the underwater viewing window of the Beluga Whale Habitat, and learn about the marine wildlife found on the west coast of British Columbia from a marine biologist. From the depths of the ocean to the starry sky above we go to The Lookout high atop Harbor Center Tower for dessert and coffee. From 500 feet up, enjoy a 360° unobstructed view of the sparkling lights of Vancouver, the most beautiful city in the world!

**\$129 per person includes transportation, all admissions, dinner with wine service and dessert**

*Please Note: Advance registration is required. The last day to register for this event is March 27, 2008.*




### Whistler Mountains and Forests


**Friday, April 11**  
**8 a.m. – 6 p.m.**

Experience Whistler as the area prepares to host the 2010 Winter Olympics. Stop to see Shannon Falls, the third highest waterfall in British Columbia; walk with a naturalist through an old-growth rain forest; and see 1,000-year-old cedar trees, plus free time on your own to explore the charming European-style Whistler Village.

**\$94 per person/early**  
**\$104 per person/on-site**

### Tour and Activities Registration Information

 **Via the Internet:** Go to <https://secure.vancouvertours.com/data/conferences/aae2008/> to make your reservations online.

 **Contact Landsea Tours** by phone at 877/669-2277 (North America) or 604/255-7272 (International).

**On-Site:** Stop by the Landsea Tours desk located in the AAE Registration and Information Area at the Vancouver Convention and Exhibition Centre during the following hours:

<b>Tuesday:</b>	<b>3 – 8 p.m.</b>
<b>Wednesday:</b>	<b>7 a.m. – 7 p.m.</b>
<b>Thursday:</b>	<b>7 a.m. – 6 p.m.</b>
<b>Friday:</b>	<b>7 a.m. – 3 p.m.</b>
<b>Saturday:</b>	<b>7 a.m. – noon</b>

Register by April 7, 2008 to ensure tour availability and to take advantage of the early fees. On-site registration will be accommodated on a space-available basis only.

### Cancellation Policy

All cancellations must be received by Landsea Tours at least 12 hours in advance of the scheduled tour. No refunds will be issued for cancellations received less than 12 hours notice and for no-shows.

# Pre- and Post-Meeting Activities

## Explore British Columbia!

Although attendees will find plenty to see and do without leaving the city of Vancouver, the AAE has arranged a number of opportunities for exploring Canada's westernmost province. The AAE has selected two of the province's most popular destinations—Victoria and Whistler. Preferred hotel rates have been arranged at both destinations that are available to AAE Annual Session attendees. Rates are quoted in Canadian dollars, for single/double occupancy, subject to applicable taxes and are valid between April 4 – 8 and April 13 – 16, 2008. Other individual hotel restrictions may apply. Please identify yourself as member of the American Association of Endodontists when making your reservations.



### Victoria

[www.tourismvictoria.com](http://www.tourismvictoria.com)

The capital city of British Columbia, Victoria boasts many historic buildings and some of the most fascinating museums in western Canada.

The city has some of the country's most exhilarating scenery—there's an ocean or mountain vista around every corner, while the flower gardens are famous the world over. Victoria can be easily reached from Vancouver by car/ferry or float plane.

#### Accommodation Recommendation

**The Fairmont Empress**

800/441-1414

[www.Fairmont.com/Empress](http://www.Fairmont.com/Empress)

\$169 - \$289



### Whistler

[www.tourismwhistler.com](http://www.tourismwhistler.com)

Regarded as one of the top four-season resorts in North America, Whistler has become even more world-renowned as the site of the alpine and Nordic venues for the Vancouver 2010 Olympic and Paralympic Winter Games. Early April brings perfect conditions for spring skiing! Whistler is a two-hour drive along the Sea to Sky Highway from Vancouver, offering spectacular coastal and mountain scenery.

#### Accommodation Recommendations

**The Fairmont Chateau**

**Whistler**

800/606-8244

[www.Fairmont.com/Whistler](http://www.Fairmont.com/Whistler)

\$169 - \$319

**Pan Pacific Whistler**

**Mountainside**

888/905-9995

(Group Number 20B052)

[www.panpacific.com](http://www.panpacific.com)

\$159 - \$559

**Pan Pacific Whistler**

**Village Centre**

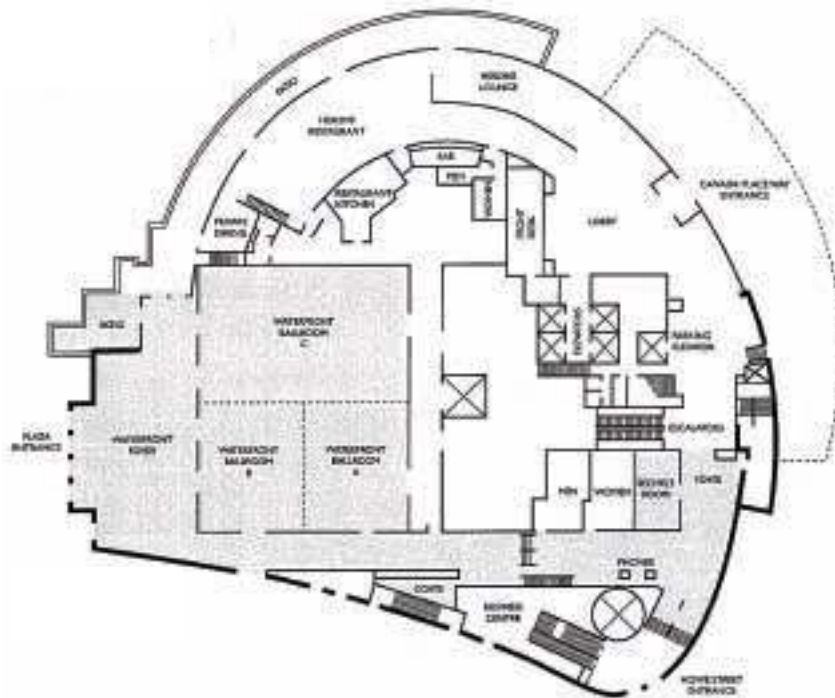
888/966-5575

(Group Number 20B052)

[www.panpacific.com](http://www.panpacific.com)

\$199 - \$449 (includes  
breakfast)

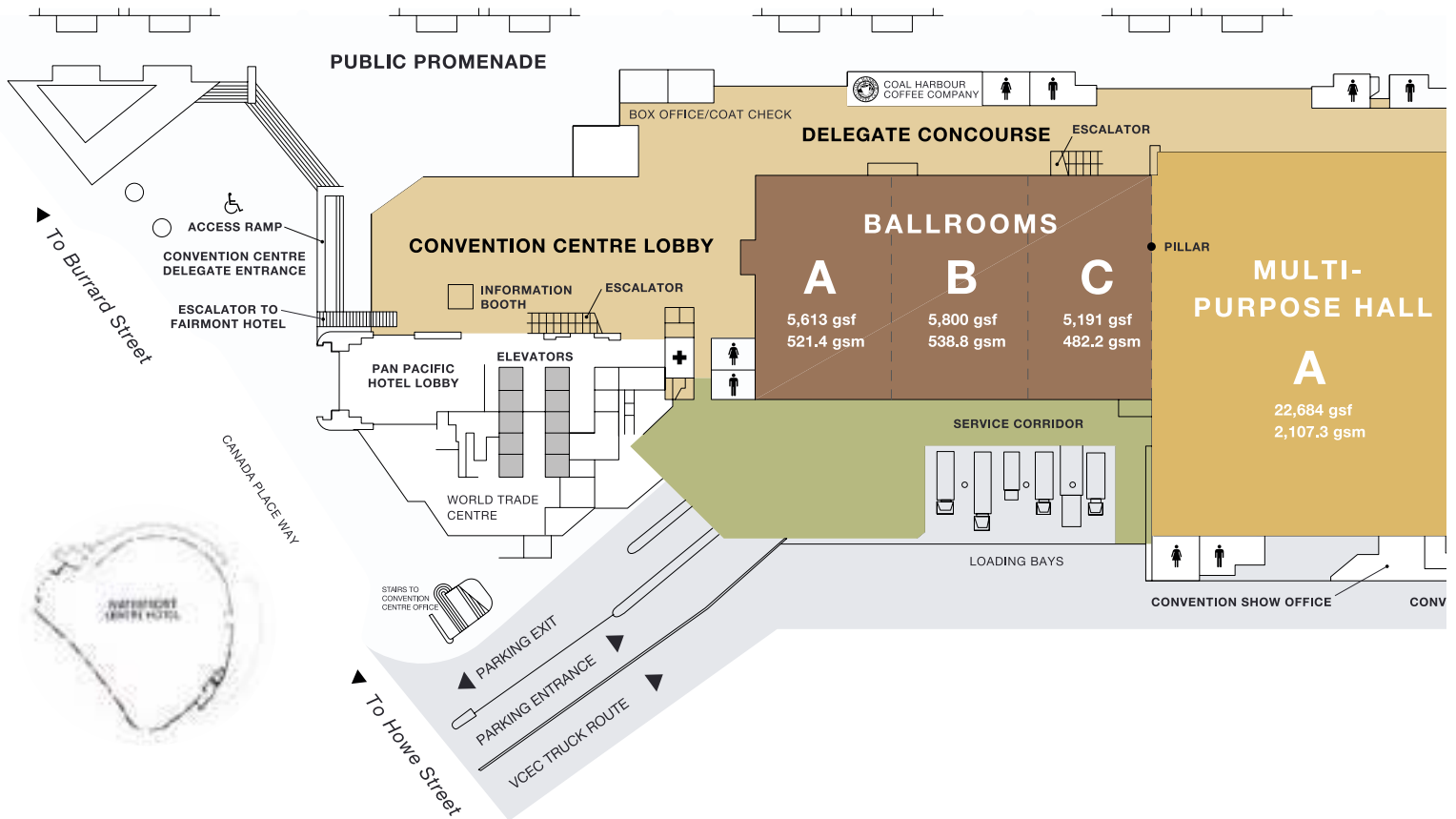
## Lobby Level

[illegible]

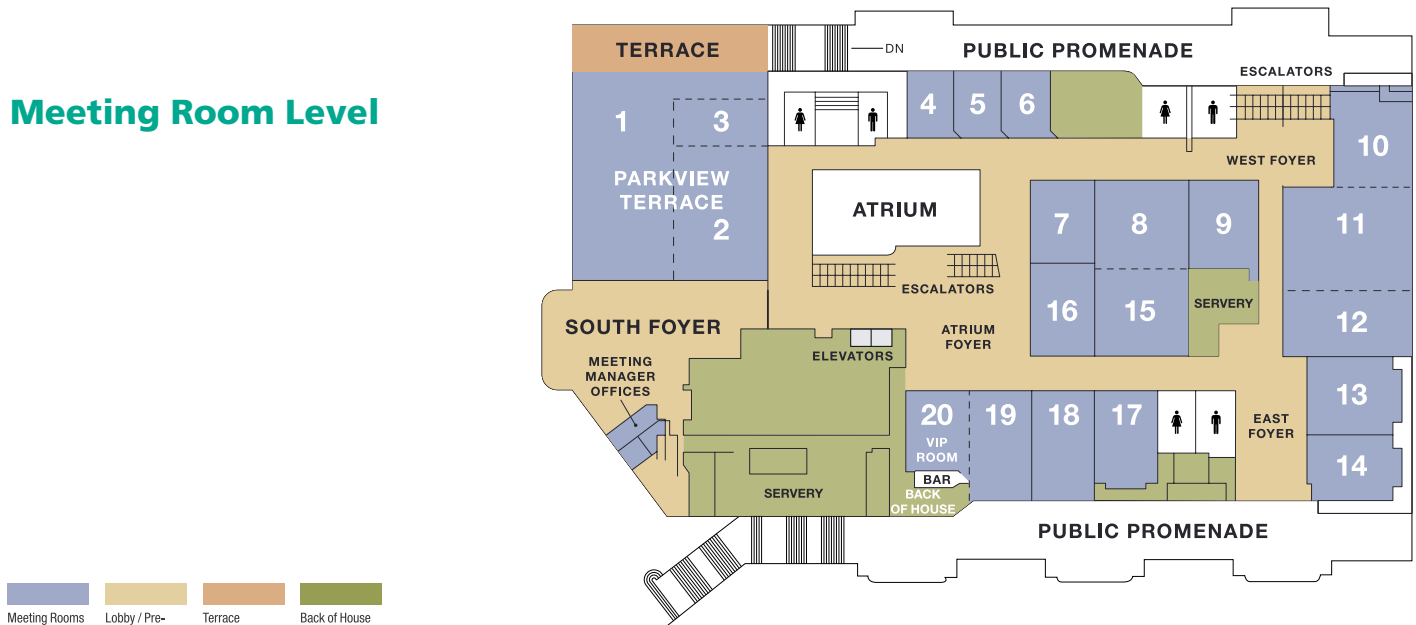


# Vancouver Convention and Exhibition Centre Floor Plans

## Convention Level



## Meeting Room Level



NobelGuide™



## increase patient satisfaction by learning to place implants precisely and efficiently

Using NobelGuide™, you plan and predict every aspect of flapless implant treatments using either CT-scanning or stone-based modeling. A surgical template is then generated, which guides safe, predictable flapless implant placements.

With NobelGuide™:

- Patients receive functioning, beautiful teeth in as little as just one treatment session
- The exact position and depth of implants is known prior to actual placement
- Implants are placed with pin-point accuracy using the surgical template

Find out more about our available NobelGuide™ courses at  
[www.nobelbiocare.com](http://www.nobelbiocare.com) or contact Customer support at 1.800.322.5001



Nobel Biocare USA, 22715 Savi Ranch Pkwy., Yorba Linda, CA 92887 • Phone: 714-282-4800 • Toll Free: 800-322-5001 • Tech Support: 1-888-725-7100 • Fax: 714-998-9236

Nobel Biocare Canada, Inc. 9133 Leslie Street, Unit 100, Richmond Hill, ON L4B 4N1 • Phone: 905-762-3501 • Toll Free: 800-939-9394 • Fax: 800-900-4243

©2007 Nobel Biocare. All Rights Reserved [www.nobelbiocare.com](http://www.nobelbiocare.com)

# In Recognition

## Past Presidents

\*W. Clyde Davis '43-44  
\*Ralph F. Sommer '44-45  
\*Robert G. Kesel '45-46  
\*E.G. Van Valey '46-47  
\*Maynard K. Hine '47-48  
\*Louis I. Grossman '48-49  
\*Elmer A. Jasper '49-50  
\*Raymond L. Girardot '50-51  
\*George G. Sharp '51-52  
\*F. Darl Ostrander '52-53  
\*Laurence A. Lucas '53-54  
\*N. Weir Burkman '54-55  
\*Harry J. Healey '55-56  
\*John R. Pear '56-57  
\*George C. Hare '57-58  
George G. Stewart '58-59

\*J. Henry Kaiser '59-60  
\*Paul P. Sherwood '60-61  
\*Glenn R. Brooks '61-62  
\*Vincent B. Milas '62-63  
James H. Sherard Jr. '63-64  
\*Jacob B. Freedland '64-65  
\*Henry S. Schmidt '65-66  
John I. Ingle '66-67  
Edwin C. Van Valey '67-68  
\*Samuel S. Patterson '68-69  
\*Warren J. Hedman '69-70  
\*John F. Bucher '70-71  
\*Dudley H. Glick '71-72  
\*I.B. Bender '72-73  
\*Charles A. Scott Jr. '73-74  
Alfred L. Frank '74-75

Robert A. Uchin '75-76  
\*Frank B. Trice '76-77  
George A. Zurkow '77-78  
Harry Blechman '78-79  
Paul E. Zeigler '79-80  
\*Edward M. Osetek '80-81  
Henry J. Van Hassel '81-82  
Noah Chivian '82-83  
Donald E. Arens '83-84  
Stephen F. Schwartz '84-85  
\*Herbert Schilder '85-86  
Michael A. Heuer '86-87  
Charles J. Cunningham '87-88  
Joseph D. Maggio '88-89  
Gerald C. Dietz Sr. '89-90  
James C. McGraw '90-91

Joseph I. Tenca '91-92  
Stuart B. Fountain '92-93  
Eric J. Hovland '93-94  
\*Richard C. Burns '94-95  
\*Philip W. Cohen '95-96  
Jerome V. Pisano '96-97  
Denis E. Simon III '97-98  
Carl W. Newton '98-99  
Harmon R. Katz '99-00  
James L. Gutmann '00-01  
Jeffrey W. Hutter '01-02  
Samuel O. Dorn '02-03  
Mahmoud Torabinejad '03-04  
Sandra Madison '04-05  
Marc Balson '05-06  
John S. Olmsted '06-07

## Past Award Recipients

### 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

### 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  
Mahmoud 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

### 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

### Ralph F. Sommer Award

Calvin D. Torneck '84  
Alfred L. Frank '85  
Mahmoud Torabinejad '86

John I. Ingle '87  
Leif Tronstad '90  
Jens O. Andreassen '91  
\*I.B. Bender '93  
\*Samuel Seltzer '93  
Goran Sundqvist '94  
Gunnar Bergenholtz '96  
Miomir Cvek '03  
Henry J. Van Hassel '05  
Harmeet 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

### Honorary Members

\*Edgar D. Coolidge '48  
\*W. Clyde Davis '48  
\*Bernhard Gottlieb '48  
\*Edward S. Hatton '49  
\*Walter Hess '49  
\*Hermann Prinz '49  
\*Francisco Pucci '49

\*Sir E. Wilfred Fish '56  
\*Birger Nygaard-Ostby '58  
\*Mary Crowley '66  
\*Ralph F. Sommer '67  
\*Harold R. Stanley '68  
\*Maynard K. Hine '69  
\*Maury Massler '71  
\*Louis I. Grossman '73  
\*Oscar A. Maisto '79  
Henry O. Trowbridge '86  
David H. Pashley '92  
Irma S. Kudo '94  
Frank N. Lentine '94  
Michel Maillefer '94  
Margaret R. Byers '99  
Jens O. Andreassen '01  
Shiro Kudo '02  
Ivar A. Mjör '04  
Rafael Miñana '06

### Spirit of Service Lifetime Dental Community Volunteer Award

George T. Goodis '07

### Spirit of Service New Practitioner Dental Community Volunteer Award

Jessica L. Barr '07

### President's Award

Peter A. Paesani '97  
Bruce H. Seidberg '02  
Wm. Ben Johnson '04  
Darrell W. Zenk '05  
Worth B. Gregory Jr. '07

*\*Deceased*



# Speaker Index

## A

Abbott, Paul V. . . . .18, 46  
Ang, Leslie C. . . . .53

## B

Bahcall, James K. . . . .56  
Baker, Karen A. . . . .50, 61  
Barnett, Frederic . . . . .36  
Baumgartner, J. Craig . . . . .40  
Bellamy, Raphael G.P. . . . .57  
Bernstein, Ben . . . . .65  
Bogen, George . . . . .30  
Bradley, Andrew M. . . . .47  
Brock, G. Matthew . . . . .26  
Bruder III, George A. . . . .28  
Buchanan, L. Stephen . . . . .32

## C

Chávez de Paz, Luis E. . . . .63  
Chogle, Sami M.A. . . . .33  
Cohenca, Nestor . . . . .34  
Costerton, J. William . . . . .64  
Coury, Kirk A. . . . .60

## D

de Cleen, Michiel J.H. . . . .25  
Desrosiers, Mark B. . . . .46  
Dionne, Raymond . . . . .60

## E

Eleazer, Paul D. . . . .28

## F

Fayad, Mohamed I. . . . .53  
Feck, Anthony S. . . . .43, 47  
Fouad, Ashraf F. . . . .59, 62  
Fransman, Ronald . . . . .25  
Friedman, Shimon . . . . .60

## G

Gambarini, Gianluca . . . . .52  
Garala, Manish . . . . .52, 60  
Gillen, Thomas J. . . . .47  
Gluskin, Alan H. . . . .28  
Goldberg, Robert A. . . . .47  
Goodis, Harold E. . . . .49  
Gutmann, James L. . . . .56, 62

## H

Haney, Stephan J. . . . .64  
Haapasalo, Markus . . . . .18  
Hargreaves, Kenneth M. . . . .28, 55

## H (cont.)

He, Jianing . . . . .40  
Herbranson, Eric J. . . . .19, 34, 41  
Hoen, Michael M. . . . .67  
Huang, George T.J. . . . .54

## I

Iqbal, Mian K. . . . .19, 24, 33

## J

Jewett, Anahid . . . . .54  
Johnson, Bradford R. . . . .58  
Jupp, Anita . . . . .36, 39

## K

Kasem, Raed S. . . . .45  
Khan, Asma A. . . . .25  
Khayat, Akbar . . . . .66  
Kim, Syngcuk . . . . .37  
Kiser II, Russell . . . . .32  
Kleinegger, Cynthia L. . . . .27  
Kratchman, Samuel I. . . . .37  
Krell, Keith V. . . . .28  
Kusienski, Margot T. . . . .61

## L

Lambrechts, Paul . . . . .29  
Law, Alan S. . . . .19, 35  
Levin, Martin D. . . . .26  
Levin, Roger P. . . . .51  
Liewehr, Frederick R. . . . .24  
Lin, Louis M. . . . .66  
Logan, Henrietta I. . . . .65

## M

Mancia, Paul R. . . . .27  
Marlin, Jay . . . . .58, 64  
Marmo, Michael S. . . . .57  
McClure, Kim L. . . . .44  
McIntyre, Judy D. . . . .48  
McLachlan, Kimberly A. . . . .61  
Meehan, James J. . . . .36, 44, 48  
Merino, Enrique M. . . . .27  
Messer, Harold H. . . . .34

## N

Nekoofar, Mohammad H. . . . .38  
Niemczyk, Stephen P. . . . .33  
Nixdorf, Donald . . . . .35  
Nusstein, John M. . . . .33

## O

Olmsted, John S. . . . .60

## P

Pallasch, Thomas J. . . . .50  
Peck, Jane . . . . .51  
Peters, Ove A. . . . .42  
Powell, William D. . . . .61  
Propper, Terryl A. . . . .31

## R

Reader, Al . . . . .55  
Ree, Marga H. . . . .25  
Reid, Kevin I. . . . .39  
Rivera, Eric M. . . . .33  
Robbins, J. William . . . . .59  
Roda, Robert S. . . . .33  
Rotstein, Ilan . . . . .40  
Rubinstein, Richard A. . . . .23  
Ruddle, Clifford J. . . . .43

## S

Schoeffel, G. John . . . . .32, 35  
Schweitzer, Jordan L. . . . .63  
Sedgley, Christine M. . . . .38  
Sharp, Robert H. . . . .43  
Silverman, Michael D. . . . .43, 47  
Sletten, Paul D. . . . .31  
Stroumza, Jerome H. . . . .45

## T

Tataryn, Roderick W. . . . .58  
Terezhalmay, Geza T. . . . .55  
Tinnin, James M. . . . .37  
Torabinejad, Mahmoud . . . . .33

## V

van der Sluis, Lucas W.M. . . . .63

## W

Wallace, James A. . . . .54  
Weeks, Stephen M. . . . .67  
Wesselink, Paul R. . . . .18  
West, John D. . . . .24  
Whitworth, John M. . . . .42  
Wong, Ralan D. . . . .30, 32

# Speaker and Moderator Disclosure Statements

All participants must disclose to the program audience any proprietary, financial or other personal interest of any nature or kind, in any product, service, source and/or company, or in any firm beneficially associated therewith that will be discussed or considered during their presentation. The AAE does not view the existence of these interests or uses as implying bias or decreasing the value to participants. The AAE, along with ADA CERP, feels that this disclosure is important for the participants to form their own judgment about each presentation.

## The following have proprietary, financial and/or personal interests to disclose:

**Bahcall, James K.** – Stock Shareholder: Plastic Endo, LLC

**Feck, Anthony S.** – Stock Shareholder: D.O.C.S.

**Garala, Manish** – Honorarium: SybronEndo

**Gutmann, James L.** – Consultant: Dentsply Tulsa Dental Specialties

**Herbranson, Eric J.** – Grants/Research Support: HIH NIDCR; Consultant: Global Surgical; Stock Shareholder: Brown and Herbranson Imaging

**Kim, Syngcuk** – Consultant: Obtura Spartan

**Kratchman, Samuel I.** – Financial/Material Support: Obtura Spartan

**Levin, Martin D.** – Financial/Material Support: Global Surgical, Henry Schein Practice Solutions, PBHS and Schick

**Levin, Roger P.** – CEO, Levin Group, Inc.

**Marlin, Jay** – Consultant: Obtura Spartan; Honorarium: Dentsply and Obtura Spartan

**Rubinstein, Richard A.** – Consultant: Dentsply Tulsa Dental Specialties, Discus Dental and Pentron

**Ruddle, Clifford J.** – Financial/Material Support: Dentsply International, SybronEndo; Stock Shareholder: Endo Activator

**Schoeffel, G. John** – Financial/Material Support: Discus Dental

**Sharp, Robert H.** – Stock Shareholder: Endo Activator

**Silverman, Michael D.** – Financial/Material Support: Dental Organization for Conscious Sedation

**Tinnin, James M.** – Consultant: Dentsply Tulsa Dental Specialties; Stock Shareholder: Dentsply Tulsa Dental Specialties, Financial/Material Support: Dentsply Tulsa Dental Specialties

**West, John D.** – Consultant: Dentsply Tulsa Dental Specialties; Stock Shareholder and Co-Developer: ProTaper and Calamus Endodontic Technologies

## The following have no proprietary, financial or other personal interest pertaining to their presentation to disclose:

Abbott, Paul V.

Amato, Robert B.

Ang, Leslie C.

Barnett, Frederic

Beasley, William Lee

Bellamy, Raphael G.P.

Bergo, Shane D.

Bernstein, Ben

Bianchi, Paul R.

Bianchi, Thomas E.

Bogen, George

Brock, G. Matthew

Brown, David C.

Bruder, George A.

Chávez de Paz, Luis E.

Chogle, Sami M.A.

Corbett, Gwendolyn D.

Cohenca, Nestor

Costerton, J. William

Coury, Kirk A.

Davis, Stephen B.

de Cleen, Michiel J.H.

Desrosiers, Mark B.

Dionne, Raymond

Doyle, Scott L.

Edwards, Kevin R.

Eleazer, Paul D.

Fayad, Mohamed I.

Fouad, Ashraf F.

Fransman, Ronald

Friedman, Shimon

Gambarini, Gianluca

Gillen, Thomas J.

Gluskin, Alan H.

Goldberg, Robert A.

Goodis, Harold E.

Haapasalo, Markus

Haney, Stephan J.

Hargreaves, Kenneth M.

Himel, Van T.

Hoen, Michael M.

Huang, George T.J.

Jewett, Anahid

Johnson, Bradford R.

Jupp, Anita

Jureidini, Badri

Justman, Bruce C.

Iqbal, Mian K.

Kasem, Raed S.

Khayat, Akbar

Keating, Kevin M.

Keiser, Karl

Kiser II, Russell

Khan, Asma A.

Kleier, Donald J.

Kleinegger, Cynthia L.

Kratchman, Samuel I.

Kulild, James C.

Lambrechts, Paul

Law, Alan S.

Le Vine, Lawrence M.

Levy, Thomas A.

Liewehr, Frederick R.

Lilly, Jeffrey P.

Lin, Louis M.

Lindquist, Kimberly A.D.

Logan, Henrietta L.

Mancia, Paul R.

Marmo, Michael S.

Mattscheck, Donna J.

Meehan, James J.

Merino, Enrique M.

McClure, Kim L.

McIntyre, Judy D.

Messer, Harold H.

Mickel, Andre K.

Neary, Marci Simpson

Nekoofar, Mohammad H.

Niemczyk, Stephen P.

Nixdorf, Donald

Noblett, W. Craig

Nusstein, John M.

O'Leary, Le Yen Thi

Olmsted, John S.

Pallasch, Thomas J.

Peck, Jane

Peters, Christine I.

Peters, Ove A.

Propper, Terryl A.

Rauschenberger, Cindy R.

Reader, Al

Ree, Marga H.

Reid, Kevin I.

Rezai, Ali A.

Rivera, Eric M.

Robbins, J. William

Roda, Robert S.

Rotstein, Ilan

Ryerson, Diane

Schulz, Joseph H.

Schwartz, Scott A.

Schweitzer, Jordan L.

Sedgley, Christine M.

Sletten, Paul D.

Stroumza, Jerome H.

Tataryn, Roderick W.

Tawil, Peter Z.

Terezhalmay, Geza T.

Teixeira, Fabricio B.

Tinkle, James S.

Tittle, Kenneth W.

Torabinejad, Mahmoud

Trabert, Kenneth C.

van der Sluis, Luc

Weeks, Stephen M.

Wesselink, Paul R.

Whitworth, John M.

Wolcott, James F.

Wolcott, Susan L.

Wong, Ralan D.

Wright, Kathryn C.

# '08 annual session

April 9 - 12

Vancouver, British Columbia, Canada



AMERICAN ASSOCIATION OF ENDODONTISTS

211 E. Chicago Ave., Suite 1100, Chicago, IL 60611-2691

Phone: 800/872-3636 (North America) or 312/266-7255 (International)

Fax: 866/451-9020 (North America) or 312/266-9867 (International)

E-mail: [info@aae.org](mailto:info@aae.org) • Web site: [www.aae.org](http://www.aae.org)

## Registration Form

### Registrant's Information

AAE ID#

Form designed for one registrant and guest(s). Additional registrants, including Professional Staff must duplicate the form.

Nickname for Badge

Family Name

First Name

Address

City

State/Country

Zip/Postal Code

Phone

Fax

E-mail

### Alliance and Family/Guest Information

Please complete only if you are registering and including payment for an Alliance member or family/guest package.

Last Name (Alliance)

First Name

Nickname for Badge

Last Name(s) (Family/Guest)

First Name(s)

Nickname(s) for Badge

### Registration Packages/Fees (See reverse for details)

Check Appropriate Package	Early by (by March 5)	Standard	Amount
<input type="checkbox"/> AAE Professional	\$575	\$675	_____
<input type="checkbox"/> AAE Student	\$125	\$225	_____
<input type="checkbox"/> AAE Professional Staff	\$170	\$270	_____
<input type="checkbox"/> AAE Alliance	\$130	\$180	_____
<input type="checkbox"/> Professional Guest (U.S.)	\$1,240	\$1,340	_____
<input type="checkbox"/> Professional Guest (Int'l)	\$690	\$790	_____
<input type="checkbox"/> Student Guest	\$690	\$790	_____
<input type="checkbox"/> Professional Staff Guest	\$690	\$790	_____
<input type="checkbox"/> Family/Guest	\$80	\$130	_____

### Pre-Session Symposium (See page 17 for details)

<input type="checkbox"/> AAE Professional Member	\$380	\$430	_____
<input type="checkbox"/> AAE Student Member	\$85	\$135	_____
<input type="checkbox"/> AAE Auxiliary Member	\$105	\$155	_____
<input type="checkbox"/> Professional Guest (U.S.)	\$780	\$830	_____
<input type="checkbox"/> Professional Guest (Int'l)	\$440	\$490	_____
<input type="checkbox"/> Student Guest	\$440	\$490	_____
<input type="checkbox"/> Auxiliary Guest	\$440	\$490	_____

### Workshops (See page 15 for details; online or fax only)

<b>Wednesday</b>			
<input type="checkbox"/> Endodontic Microsurgery	\$800	\$850	_____
<b>Thursday</b>			
<input type="checkbox"/> Nonsurgical Endodontic Retreatment	\$400	\$450	_____
<b>Friday</b>			
<input type="checkbox"/> Endodontics and Implants	\$800	\$850	_____
<input type="checkbox"/> Differential Negative Pressure Endodontic Irrigation	\$400	\$450	_____
<input type="checkbox"/> Endodontic Disinfection: Tsunami Irrigation	\$400	\$450	_____
<b>Saturday</b>			
<input type="checkbox"/> Piezosurgery in Endodontics	\$150	\$200	_____
<input type="checkbox"/> Rapid-Flow Gutta-Percha Root Canal Filling Technique	\$150	\$200	_____

**Subtotal 1** \$ \_\_\_\_\_

### Additional Tickets (For tickets not included in your registration package—see reverse)

	Qty.	Early by (by March 5)	Standard	Amount
<b>Thursday</b>				
Opening Session	_____	\$35	\$45	_____
Louis I. Grossman Luncheon	_____	\$45	\$55	_____
<b>Friday</b>				
General Assembly Breakfast	_____	\$35	\$45	_____
AAE Alliance Breakfast Program	_____	\$35	\$45	_____
<b>Saturday</b>				
Edgar D. Coolidge Luncheon	_____	\$45	\$55	_____
President's Dinner	_____	\$35	\$45	_____

**Subtotal 2** \$ \_\_\_\_\_

### Commemorative Shirt (Indicate quantity after each size)

☐ S \_\_\_\_\_ ☐ M \_\_\_\_\_ ☐ L \_\_\_\_\_ ☐ XL \_\_\_\_\_ ☐ XXL \_\_\_\_\_ X \$50 each

**Subtotal 3** \$ \_\_\_\_\_

### TOTAL ENCLOSED

(Please total amounts in Subtotals 1, 2 and 3)

**U.S. \$** \_\_\_\_\_

### Method of Payment

Payment is by (please check one): ☐ Visa ☐ MasterCard ☐ American Express  
☐ Discover ☐ Check

Card Number

Expiration Date

Card Holder's Name (print)

Signature

Fax your completed form with credit card information to 866/451-9020 (North America) or 312/266-9867 (International), or mail with check to the address shown on reverse side.



## Registration packages include the following:

---

**AAE Professional/Student/Professional Staff and Professional/Student/Professional Staff Guest Packages:** Sessions and Exhibits, Welcome Reception, *Celebrate Vancouver!*, Opening Session Breakfast, General Assembly Breakfast and Coolidge Luncheon.

**AAE Alliance Package:** Alliance membership dues, Welcome Reception, *Celebrate Vancouver!*, Exhibits.

**Family/Guest Package:** Welcome Reception, *Celebrate Vancouver!*, Exhibits.

*Please Note: Tickets for all attendees are required for the President's Dinner (see page 72 for details), Pre-Session Symposium (page 17), all workshops (page 15), Louis I. Grossman Memorial Luncheon (page 70) and the AAE Alliance Breakfast Program (page 77).*

## Methods of Registration

---

Please choose one of the following methods to register for the 2008 Annual Session.



### Online: The Fastest, Most Efficient Way to Register!

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



### By Fax

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



### By Mail

Send your completed *Registration Form* with payment to:

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

# Future Annual Session Dates

2009



## Orlando, Florida

Gaylord Palms Resort and Convention Center  
April 29 – May 2

2010



## San Diego, California

San Diego Convention Center  
April 14 – 17

2011



## San Antonio, Texas

San Antonio Convention Center  
April 13 – 16

2012



## Boston, Massachusetts

Hynes Convention Center  
April 18 – 21

2013



## Honolulu, Hawaii

Hawai'i Convention Center  
April 17 – 20



## AMERICAN ASSOCIATION OF ENDODONTISTS

211 E. Chicago Ave., Suite 1100, Chicago, IL 60611-2691

Phone: 800/872-3636 (North America) or 312/266-7255 (International)

Fax: 866/451-9020 (North America) or 312/266-9867 (International)

E-mail: [info@aae.org](mailto:info@aae.org)

Web site: [www.aae.org](http://www.aae.org)



First Class  
U.S. Postage

**PAID**

Permit No. 6784  
Chicago, IL