

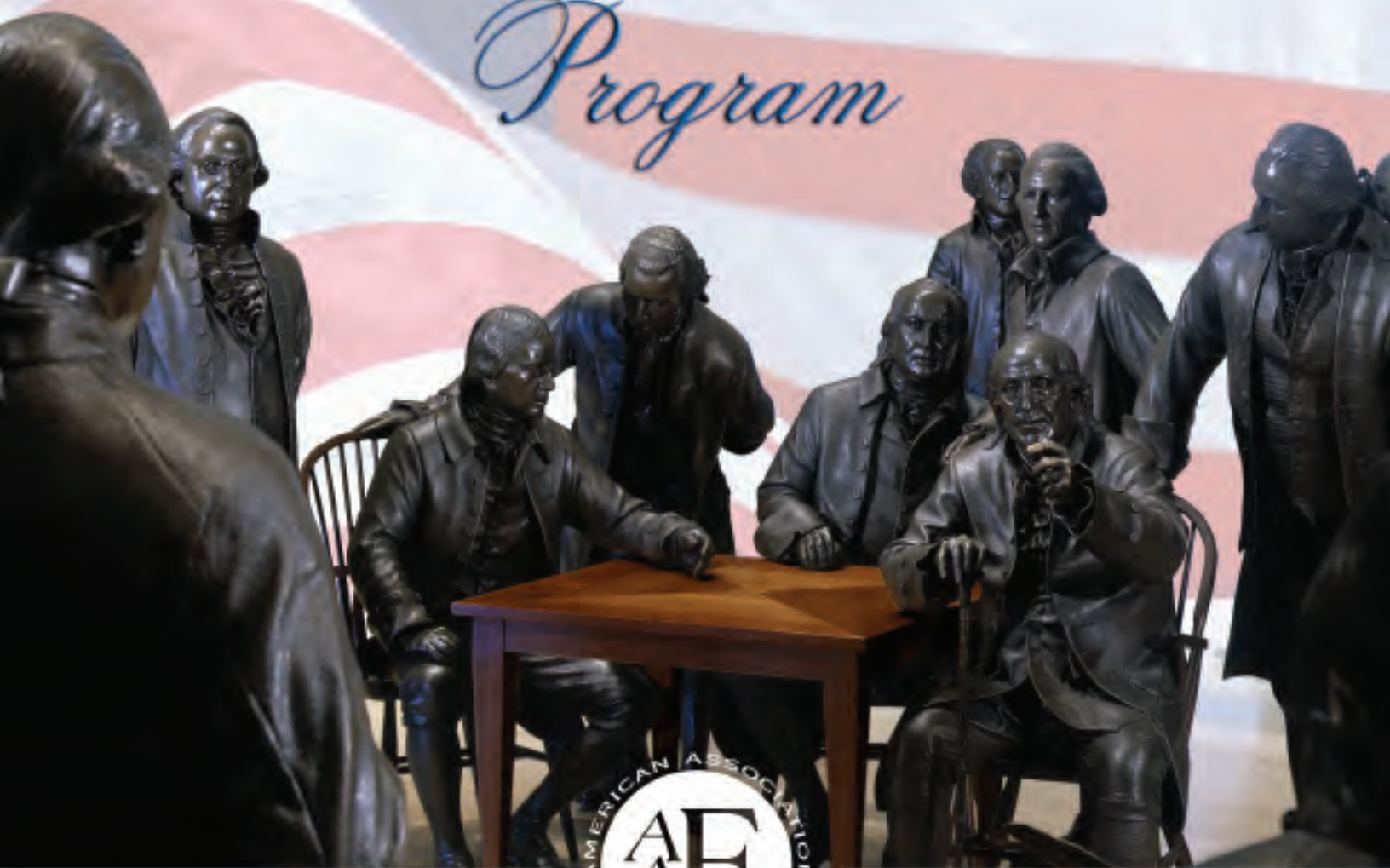
Celebrating Our Endodontic Heritage

aae 2007

ANNUAL SESSION

PHILADELPHIA, PENNSYLVANIA • APRIL 25 - 28

Program



J.Morita Ad



*“The doors of wisdom
are never shut.”*

—Benjamin Franklin

**Join the AAE family in
the “City of Brotherly
Love” as we Celebrate
Our Endodontic
Heritage!**

The 2007 Annual Session has something to offer all attendees. Whether you are a resident in an endodontic program, practicing endodontist, office staffer or family member, this spring, Philadelphia is the place for you!

*Contemporary
Education*

- Access to more than 150 hours of continuing education, which includes new educational tracks and courses on surgical endodontics, trauma and the endodontic office of the future
- Up to 24 hours of continuing education units can be attained through a combination of educational sessions, hands-on workshops and the Pre-Session Symposium

*Practice and
Learning Tools*

- Admission to an exhibit hall containing more than 100 endodontic instrument and service vendors
- The return of the Exhibit Hall Happy Hour on Thursday afternoon provides dedicated time to meet with the corporate community

*Celebrate With
Your Colleagues*

- Entry into a majority of the social events, including the Welcome Reception, Opening Session Breakfast, General Assembly Luncheon, Edgar D. Coolidge Luncheon and the *Celebrate Philadelphia!* event are part of the professional member registration fee
- The President's Dinner has moved to Friday and promises to be a night to remember!

Don't Miss Out

**Register Today to be Part of the
2007 Annual Session!**

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Dear Colleagues,

The setting for the 2007 Annual Session, the largest continuing education event devoted to endodontics in the United States, is rich in national and endodontic history. The streets of Philadelphia were once walked by Benjamin Franklin, Thomas Jefferson and John Adams, as well as I.B. Bender, Louis I. Grossman and Samuel Seltzer. On behalf of the Board of Directors and the 2007 Annual Session Planning Committee, we would like to invite you along for a journey through the "City of Brotherly Love" that will include a celebration of our endodontic heritage and a look at the future of our specialty.

The educational tracks developed by your peers include sessions focused on the entire endodontic team, changes in the practice environment, biological requirements of nonsurgical endodontics, new technologies for the office of the future, broadcast of a live molar surgery and treatment of dental injuries. A final series of sessions were selected from presentations submitted by your colleagues to provide even more variety to the program. All of the sessions reflect the roots of endodontic academia that are quite prevalent in Philadelphia.

It is also always good to integrate a little "family time" into the meeting schedule. All of the staple Annual Session special events return, including the traditional luncheons, the Fun Run, Opening Session Breakfast and the ever-popular Welcome Reception. Be sure to wear your red, white and blue to the Welcome Reception in order to get into the spirit of the meeting's events. The President's Dinner will take place on Friday evening this year and will feature a nationally acclaimed member of the Blue Collar Comedy troupe, Bill Engvall, while the *Celebrate Philadelphia!* festivities will close the meeting on a high note on Saturday evening. The President's Dinner is a ticketed event this year in order to ensure appropriate seating for all attendees, so be sure to order your tickets in advance either through the online registration system at www.aae.org, or by submitting the Registration Form at the back of this program.

The meeting schedule also provides a number of optional tours that will treat you to the best that the Philadelphia area offers. From the bright lights of Atlantic City to the tranquil stillness of the Amish countryside, the tours also provide historical stops in Valley Forge and the City Tavern. The city has other sightseeing options with a plethora of museums, sporting venues and other historical sites, which can be found on a special Web site created just for AAE visitors at www.PhiladelphiaUSA.travel/aae.

The Annual Session is always a great excuse to bring AAE members together. It provides an opportunity to reflect on fond memories and also to look ahead to where we see our specialty heading. In the immortal words of the Philadelphia pop group, Sister Sledge,

"We are family..."

*High hopes we have for the future
and our goal's in sight..."*

Please join the AAE family in Philadelphia to experience all that the 2007 Annual Session has to offer—register today!

Sincerely,



John S. Olmsted, D.D.S., M.S.
President



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

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Schedule At-A-Glance

Location Key: PCC = Pennsylvania Convention Center, PM = Philadelphia Marriott

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 on-site. All optional tours depart from the 12th Street Entrance of the Philadelphia Marriott.

Tuesday, April 24

3 – 8 p.m. **Registration and Information**
Bridge Area/PCC

Wednesday, April 25

7 – 8 a.m. **Pre-Session Symposium/
Workshop Continental Breakfast**
Grand Hall/PCC

7 a.m. – 7 p.m. **Registration and Information**
Bridge Area/PCC

8 a.m. – 5 p.m. **Pre-Session Symposium**
Ballroom/PCC

Endodontic Microsurgery Workshop
Room 105 AB/PCC

Noon – 1 p.m. **Pre-Session Symposium/
Workshop Luncheon**
Grand Hall/PCC

5:30 – 6:30 p.m. **International Reception**
Liberty Ballroom/PM

6:30 – 8 p.m. **Welcome Reception and Alliance Silent Auction**
Grand Hall/PCC

Thursday, April 26

7 a.m. – 6 p.m. **Registration and Information**
Bridge Area/PCC

8 – 10 a.m. **Opening Session Breakfast**
Ballroom/PCC

10 – 11 a.m. **District Caucuses/PCC**
District I – Room 103 A
District II – Room 103 B
District III – Room 107 AB
District IV – Room 108 A
District V – Room 109 AB
District VI – Room 111 AB
District VII – Room 113 A

10 a.m. – 6 p.m. **Exhibits Open**
Hall C/PCC

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

10:30 a.m. – 2:30 p.m. **Historic Philadelphia Tour***

11 a.m. – noon **Affiliate Leadership Meeting**
Room 108 A/PCC

Noon – 1:30 p.m. **Louis I. Grossman Memorial Luncheon**
Liberty Ballroom/PM

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

2 – 5 p.m. **Philadelphia Arts Tour***

3 – 3:30 p.m. **Networking Break**
Hall C/PCC

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

5 – 6 p.m. **Exhibit Hall Happy Hour and Foundation Live Auction**
Hall C/PCC

5 p.m. – 1 a.m. **Atlantic City Tour***

6:30 – 10:30 p.m. **Candlelight Tour/City Tavern***

7:30 – 9:30 p.m. **Resident Reception**
Lucky Strike Lanes
1336 Chestnut St.

Schedule At-A-Glance

Friday, April 27

6 a.m.	Fun Run 12 th Street Entrance/PM
7 – 8 a.m.	Continental Breakfast 100 Level/PCC
7 a.m. – 5 p.m.	Registration and Information Bridge Area/PCC
8 – 9:30 a.m.	Educational Sessions and Oral Research Presentations PCC
8 – 11 a.m.	Poster Research Presentations and Table Clinics Hall C/PCC
8 a.m. – 5 p.m.	Exhibits Open Hall C/PCC
9:30 – 10 a.m.	Networking Break Hall C/PCC
9:30 a.m. – 12:30 p.m.	Italian Market Tour*
10 – 11:30 a.m.	Educational Sessions and Oral Research Presentations PCC
11:30 a.m. – 1:30 p.m.	General Assembly Luncheon Ballroom/PCC
1 – 5 p.m.	Medicine in Colonial Philadelphia Tour*
1:30 – 3 p.m.	Educational Sessions and Oral Research Presentations PCC
1:30 – 5:30 p.m.	Historic Philadelphia Tour*
3 – 3:30 p.m.	Networking Break Hall C/PCC
3:30 – 5 p.m.	Educational Sessions and Oral Research Presentations PCC
7 – 8 p.m.	President's Dinner Reception Ballroom Foyer/PCC
8 – 11 p.m.	President's Dinner Ballroom/PCC

Saturday, April 28

7 – 8 a.m.	Continental Breakfast 100 Level/PCC
7 a.m. – 5 p.m.	Registration and Information Bridge Area/PCC
8 – 9:30 a.m.	Educational Sessions PCC
8 – 11 a.m.	Poster Research Presentations and Table Clinics Hall C/PCC
8 a.m. – 1:30 p.m.	Exhibits Open Hall C/PCC
8:30 a.m. – 12:30 p.m.	Valley Forge Tour*
8:30 a.m. – 4:30 p.m.	Pennsylvania Dutch Country Tour*
9 a.m. – 2 p.m.	Winterthur Museum and Gardens Tour*
9:30 – 10 a.m.	Networking Break Hall C/PCC
10 – 11:30 a.m.	Educational Sessions PCC
11:30 a.m. – 1:30 p.m.	Edgar D. Coolidge Luncheon Ballroom/PCC
1:45 – 3:15 p.m.	Educational Sessions PCC
3:15 – 3:30 p.m.	Networking Break 100 Level
3:30 – 5 p.m.	Educational Sessions PCC
9 p.m. – midnight	Celebrate Philadelphia! Grand Ballroom/PM

* Optional Tour

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.

Endodontic Office of the Future (OF)



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



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

The journey from the early practice years to a more mature practice model is marked by significant challenges, including facilities, staffing and technology issues. This track will offer new perspectives from nationally recognized experts on creating a business strategy, leasing or buying office space, financing, office design, staffing and technology. To this end, these sessions are intended for new and established practitioners who are just starting out or continually improving their practice environment in order to create the office of the future.

Thursday, April 26

- OF-100:** Leveraging the Power of Brands
- OF-101:** The Dummies Guide to Leasing, Renewing and Purchasing Space

Friday, April 27

- OF-200:** Financing Options to Purchase New Technologies and Facility Upgrades and Their Impact on Overhead
- OF-201:** Coaching for Success: Maximizing Your Employees' Performance
- OF-202:** Integrating Microscope Imaging Into Your Everyday Practice
- OF-203:** Microscope Photography Workshop
- OF-204:** Office Design: Get it Right the First Time

Saturday, April 28

- OF-300:** Growing Your Practice Through Effective Use of the Web
- OF-301:** Integrating Technology: What Really Works
- OF-302:** Establishing the High-Tech Practice

Nonsurgical Endodontics (NS)



Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.

Nonsurgical endodontics requires a high level of diagnostic and technical skills. Without a clear understanding of the biological requirements for successful treatment, these skills may be "wasted" on techniques that are unnecessarily difficult. A correct diagnosis and an understanding of new technology to facilitate an environment that will consequently ensure a healthy apical periodontium will result in an extremely high probability of success. Long-term success is only achievable when we can successfully communicate with our dental colleagues during treatment planning. This track promises to deliver insightful information for every step of the process from diagnosis to periapical healing.

Thursday, April 26

- NS-100:** Pulpal Disease With Apical Periodontitis
- NS-101:** Can Flare-Ups be Prevented?
- NS-102:** Root Canal Cleaning, Disinfection and Obturation Without Instruments
- NS-103:** Failure of Endodontic Therapy—Pathobiology of Post-Treatment Apical Periodontitis

Friday, April 27

- NS-200:** Endodontic Infections and Cardiovascular Diseases
- NS-201:** 30 Years of Nonsurgical Endodontics
- NS-202:** Imaging and Diagnosis in Endodontics: Are Radiographs Obsolete?
- NS-203:** Clinical Management of Endodontic Infections
- NS-204:** Is it Worth Retreating?

Saturday, April 28

- NS-300:** Rules of Engagement: Mastering the Inner and Outer Games of Endodontics
- NS-301:** Antibiotics in Endodontics: Are They Necessary? An Evidence-Based Review
- NS-302:** The Ideal Rotary File System—Does It Exist?
- NS-303:** An Inside to Treatment Planning—Do We Understand the Language?

Practice Management (PM)



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

The practice management track provides diverse programming to appeal to attendees at varying stages of their practice life. Several of the programs and speakers are new to the AAE family and bring a freshness and excitement to the program. Lectures will be presented by insurance companies, an accounting firm and a consultant in dental practice success.

New to the practice management track are two seminars that focus on communication and coping skills specifically for the endodontic office. Other sessions will cover asset accumulation, estate planning, buying and selling a practice, leadership, strategic marketing, risk management and much more. This track even has something special for those of you contemplating retirement. With this variety of topics and speakers, we hope you will find a session or two to spark your interest.

Thursday, April 26

- PM-100:** Extreme Makeover: Practice Management Edition for Endodontists and Office Managers
- PM-101:** Leading the Endodontic Team in a Time of Change
- PM-102:** Building a New Office—Turning the Idea Into a Reality
- PM-103:** Life After Endo: Planning for and Living a Meaningful Life After You Hang up the Handpiece
- PM-104:** Proven Strategies for Marketing the Endodontic Practice

Friday, April 27

- PM-200:** Inquiring Minds Want to Know: Ask the Consultant
- PM-201:** Accumulate, Preserve and Perpetuate Your Assets
- PM-202:** Key Financial Decisions Every Dentist Must Make
- PM-203:** Successful Practice Transitions: Learning How to Get the Most Equity Out of Your Most Valuable Asset

Saturday, April 28

- PM-300:** Risk Analysis of Endodontic Lawsuits and Common Sense Strategies to Prevent Them
- PM-301:** Transforming Affluence Into Wealth

Professional Staff (PS)



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

From nutrition to successful practice techniques, with discussion of a few blunders, the Professional Staff track is designed to focus on the needs and interests of the entire endodontic office team. Sessions begin Thursday afternoon with effective patient interviewing and digital radiography. Friday morning addresses ideas to obtain peak performance through nutrition; medical emergencies will be covered in the afternoon. Six practice managers are excited to discuss patient preparation, hiring, training and retention of employees as well as marketing strategies. Rounding out the program will be a presentation on retirement planning for the dental staff. In addition to sessions designed specifically for professional staff, the following list reflects sessions from other tracks that may be of interest.

Thursday, April 26

- PM-100:** Extreme Makeover: Practice Management Edition for Endodontists and Office Managers
- PM-104:** Proven Strategies for Marketing the Endodontic Practice
- PS-100:** The Use of Radiology in Endodontics: All You Wanted to Know and Were Afraid to Ask
- S-100:** Microsurgery for the Endodontic Team Workshop

Friday, April 27

- PS-200:** Energize Your Life and Your Practice! 7 Keys to Optimal Health and Energy for You and Your Patients
- PS-201:** Medical Emergencies Made Simple for the Office Staff
- PS-202:** Unlocking the Mysteries of Dental Codes

Saturday, April 28

- PS-300:** Success Techniques of Our Practices
- PS-301:** Creating a "Paycheck" for Retirement



Submitted Presentations (SP)



Jeffrey W. Hutter, D.M.D., M.Ed.
Boston, Mass.

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 provide two 45-minute lectures in an effort to offer a variety of topics throughout the three days of educational programming.

Thursday, April 26

- SP-100:** Lessons Learned in 50 Years of Endodontic Treatment
- SP-101:** How to Value an Endodontic Practice

Friday, April 27

- SP-200:** Differential Negative Pressure Endodontic Irrigation Workshop
- SP-201:** Impact of Changes in Referral Pattern and Evidence-Based Solutions to Adapt to the New Market Demand
The Endodontist's Role in the Management of Traumatized Teeth
- SP-202:** Root Canal Treatment or its Alternative Treatments: What is Our Evidence?
Outcome of Endodontic Treatment—Perceptions and Reality
- SP-203:** Implant Site Preparation
Potential Applications of Fluoroscopy in Endodontics
- SP-204:** Root Canal System: Shaping, Cleaning and Disinfecting
Advanced Imaging Techniques for the Detection, Follow-up and Study of Endodontic Lesions in Bone
- SP-205:** Guided Tissue Regeneration in Surgical Endodontics: Improving the Prognosis of Periradicular Surgery
Immediate vs. Delayed Surgical Implant Placement
- SP-206:** Periodontal Bone Regeneration Techniques in Periapical and Lateroradicular Surgery
Tooth or Titanium: Case Selection and Treatment Planning

- SP-207:** The Impact of Dental Implants on Contemporary Endodontics
- SP-208:** Prognosis of Endodontic Microsurgery: Evidence During Periapical Surgery is it Always Necessary to Remove all Pathosis of Endodontic Origin From the Periapical Area?
- SP-209:** Secrets of a Highly Effective and Happy Team
Clinical Teaching in the Undergraduate Clinic

Saturday, April 28

- SP-300:** Ultrasonic Irrigation—The Energy for Success? How to Be Successful at Mandibular Anesthesia
- SP-301:** The Next Paradigm Shift After Ni-Ti Rotary Instruments
Clinical Introduction of Plastic Endodontic Rotary Files
- SP-302:** Resident and New Practitioner Career Fair
- SP-303:** Stem Cells, Tissue Engineering and Endodontics
Exercise, Proper Nutrition and Meditation: The Backbone to a Long, Healthy and Productive Life Within Endodontics and Beyond
- SP-304:** Quality of Coronal Seal and/or Quality of Canal Filling: What is Important?
New Concepts and Strategies for Ni-Ti Crown-Down Rotary Instrumentation
- SP-305:** ABE Boardwalk
- SP-306:** Endogastitis: Causes and Cures
Osteonecrosis and Ultrasonic Energy
- SP-307:** Anatomy is Destiny
Access Preparation as Key to Success
- SP-308:** Wine Tasting: The Oakville Appellation
- SP-309:** Educator Forum: New Pedagogies in Endodontic Education
- SP-310:** Modern Endodontics: A Case Portfolio, Techniques and Materials
The Case of the *Enterococcus*

Surgical Endodontics (S)



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

The surgical endodontics track is designed to provide the most current advancements in the surgical aspects of endodontic treatment. Starting from the biological basis of periapical lesions and addressing available treatment options, such as apical surgery by endoscope and laser, atraumatic soft tissue management, intentional replantation, transplantation and MTA will be presented by authorities in these fields. The results of systematic reviews of success/survival of endodontically treated teeth will also be presented.

A live molar surgery will be broadcast from the University of Pennsylvania Dental School to the convention center, and a special microsurgery hands-on course for the endodontic team has been added to the program.

In conjunction with the surgical theme, the prosthetic and surgical aspects of single-tooth implants will also be examined. Together with biology, clinical advancements and the live surgery broadcast, this track promises to be of significant benefit to all participants.

Wednesday, April 25

S-1: Endodontic Microsurgery Workshop

Thursday, April 26

S-100: Microsurgery for the Endodontic Team Workshop

S-101: Periapical Biology and Pathology

S-102: Autotransplantation and Intentional Replantation as Viable Options for Tooth Preservation

Friday, April 27

S-200: Molar Microsurgery: Theory and Live Demonstration Surgery

S-201: Soft Tissue Management

S-202: Pain From Endodontic and Nondental Origin: Basic Mechanisms, Differential Diagnosis and Clinical Management

S-203: Single-Tooth Implants: Surgery and Restoration

Saturday, April 28

S-300: The Use of Lasers in Endodontic Microsurgery

S-301: Implants or Root Canal Treatment: An Evidence-Based Approach

S-302: Mineral Trioxide Aggregate

Trauma (T)



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

The treatment of dental traumatic injuries requires a multidisciplinary approach with appropriate endodontic treatment at the core of a long-term successful outcome. The multidisciplinary nature of dental trauma requires that all specialties have a thorough knowledge of the consequences of trauma to the face and dentition, and the appropriate sequence of treatment. Emergency treatment is of particular importance. Sessions in this track will address the epidemiology of dental trauma, prevention strategies, emergency procedures for soft- and hard-tissue damage, cutting-edge treatment protocols for uncomplicated and complicated crown fractures, and the endodontic treatment of immature permanent teeth with apical periodontitis. Luxation injuries, including avulsion, will also be thoroughly addressed.

Thursday, April 26

T-100: Prevention of Traumatic Injuries: Dental Injuries to Cerebral Concussions—Do Mouthguards Work?

T-101: Basic Mechanisms of Trauma and Wound Healing

Friday, April 27

T-200: Pulp Capping, Pulpotomy and Apexification Treatment of the Uncomplicated Crown Fracture

T-201: Luxation Injuries: From Diagnosis to Treatment

T-202: Revascularization of the Avulsed Tooth and Nonvital Teeth with Apical Periodontitis

T-203: Intentional Replantation and Autotransplantation of Teeth

Saturday, April 28

T-300: Clinical Management of the Avulsed Tooth—Minimizing Resorption Complications

T-301: Treatment of Ankylosed Teeth—Decoronation and GBR

T-302: Emergency Treatment of Soft and Hard Tissue Injuries in the Oral Region

T-303: Treatment Planning in Dental Trauma

Tulsa Dental Specialties AD

Hands-On Workshops

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

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

Wednesday, April 25

8 a.m. – 5 p.m.

S-1: Endodontic Microsurgery

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

Track: Surgery

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

See page 23 for a complete session synopsis.

Thursday, April 26

1:30 – 5 p.m.

S-100: Microsurgery for the Endodontic Team Workshop

Bekir Karabucak, D.D.S., M.S.

Track: Surgery

Fee: \$400 early/\$450 standard (admits one endodontist and up to two assistants)

See page 26 for a complete session synopsis.

Friday, April 27

8 – 11:30 a.m.

SP-200: Differential Negative Pressure Endodontic Irrigation Workshop

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

Track: Submitted Presentations

Fee: \$150 early/\$200 standard

See page 34 for a complete session synopsis.

1:30 – 5 p.m.

OF-203: Microscope Photography Workshop

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

Track: Endodontic Office of the Future

Fee: \$400 early/\$450 standard

See page 42 for a complete session synopsis.

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

Saturday, April 28

1:45 – 5 p.m.

SP-308: Wine Tasting: The Oakville Appellation

Frank Casanova, D.D.S., M.S.D.

Track: Submitted Presentations

Fee: \$50 early/\$100 standard

See page 65 for a complete session synopsis.



Pre-Session Symposium

The Changing Scope of Endodontics

Ballroom/PCC

Moderator: George T. Goodis, D.D.S.
Grosse Pointe, Mich.

Wednesday, April 25

7 – 8 a.m.	Continental Breakfast	1 – 2 p.m.	Unmasking Biofilm: Translating Microbiology Into Advanced Endodontic Management
8 – 8:15 a.m.	Introduction		
8:15 – 9:15 a.m.	Endodontic Diagnostics and Treatment Planning of the Future	2 – 3 p.m.	From Molecules to Man: An Evidence-Based Approach for Understanding and Treating Endodontic Pain
9:15 – 10:15 a.m.	Stem Cells, Tissue Engineering and Regenerative Endodontics		
10:15 – 10:45 a.m.	Break	3 – 3:30 p.m.	Break
10:45 a.m. – noon	The Future of Endodontics—Crisis or Opportunity?	3:30 – 4:30 p.m.	Right Facts...Wrong Conclusions
Noon – 1 p.m.	Lunch	4:30 – 5 p.m.	Question-and-Answer Session

Fees

Available CE Units: 7

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

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

Early registration is strongly encouraged, as attendance is limited. Your Annual Session confirmation will reflect whether or not your registration has been accepted. On-site registration, if available, will be accepted on Tuesday, April 24, between 3 and 8 p.m., and on Wednesday, April 25 between 7 and 8 a.m. at the Pennsylvania Convention Center. No registrations will 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.

Endodontic Diagnostics and Treatment Planning of the Future



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

Endodontic diagnostics is undergoing exciting change. Cone beam-computed tomography (CBCT) is a powerful tool for visualizing teeth, pathologic lesions and vital anatomic structures. A new relationship between endodontists and radiologists is developing. Dental implants represent a new treatment planning option. A single-tooth implant is a reasonable alternative when endodontic treatment offers a poor prognosis. Endodontists with implant education will be well positioned to improve the quality of their patients' care.

At conclusion, participants should be able to:

- Compare CBCT to conventional radiography.
- Describe how single-tooth implants are affecting the scope of endodontic treatment planning.
- Recognize how the quality of patient care can be improved by endodontists who are educated in the area of single-tooth implants.

Stem Cells, Tissue Engineering and Regenerative Endodontics



Peter E. Murray, B.D.Sc., Ph.D.
Fort Lauderdale, Fla.

Regenerative endodontics is the creation of healthy replacement tissues for diseased, missing and traumatized pulp. This symposium will take the practitioner from the origins of stem cell therapies, through tissue engineering and end with the development of regenerative endodontic therapies. Topics to be discussed include a review of root canal revascularization, stem cell therapy, pulp scaffold implants, 3-D cell printing, injectable scaffolds and gene therapies. We will explain how these therapies may revolutionize future endodontic practice.

At conclusion, participants should be able to:

- Describe the different types of regenerative endodontic therapies under development.
- Apply this knowledge toward evaluating the benefits and limitations of regenerative endodontic therapies.
- Compare and contrast the advantages, including side effects and risks, associated with regenerative endodontics.

The Future of Endodontics—Crisis or Opportunity?



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

The specialty of endodontics is confronted and increasingly influenced by the remarkable changes occurring within the dental profession. A review of the current position of endodontics will be followed by an examination of what has been described as the emerging crisis in our discipline. In Chinese, the word “crisis” is comprised of two characters: danger and opportunity. This presentation will identify the dangers impacting endodontics and focus on the strategies, which can create enormous opportunity in the years ahead.

At conclusion, participants should be able to:

- Apply the philosophy that where they are headed is where they are going.
- Identify the importance of starting with the end in mind.
- Create abundance and generate an extraordinary future.

Unmasking Biofilm: Translating Microbiology Into Advanced Endodontic Management



John G. Thomas, M.S., Ph.D.
Morgantown, W.Va.

We live in a microbial world; in it, biofilms are the preferred methods of growth and survival in astounding evolutionary-derived architecture integrating three components: structure, physiology and pathogenicity. Its key feature is diversity, yet biofilms are governed by the same seven Universal Microbial Principles of planktonics (free-floating) bacteria. The translation to biofilm management of root canal and abscess infections will be addressed contrasting the multiple cast of organisms (both oral and systemic), their patient antibiotic resistance and organism origin, their optimal detection, and compare new strategies for one-day patient care. Is it possible? What are the long-term consequences to the whole patient ecosystem, “pay me now, or pay me later?”

At conclusion, participants should be able to:

- Describe the three components of a biofilm (microbial community) and their significance to endodontic treatment.
- List the growing number of microbial pathogens in root canal infections, describing origin and potential synergy.
- Rank the new management options, comparing their feasibility based on the biofilm's integrity and consequences to the human ecosystem and long-term patient care.

From Molecules to Man: An Evidence-Based Approach for Understanding and Treating Endodontic Pain



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

This session will review biological and clinical studies with an emphasis on increasing our knowledge of pain mechanisms and the skills needed to translate that knowledge into improved patient care. Topics to be discussed include a review of newly recognized mechanisms of pain and how this information applies to the endodontic practice, and the latest results of clinical trials evaluating analgesics, anesthetics and antibiotics.

At conclusion, participants should be able to:

- Describe how knowledge of pain mechanisms translates to improved analgesics.
- Describe “individualized medicine,” specifically focusing on the role of genetics and the environment in mediating differences in patient response to treatment.
- Apply results from clinical research to strategies for managing odontogenic pain and odontogenic infections.

The Pre-Session Symposium is planned by your colleagues serving on the 2006-2007 Continuing Education Committee:

George T. Goodis, D.D.S., chair

Frederic Barnett, D.M.D.

Brian D. Jafine, D.D.S.

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

Jarshen Lin, D.D.S.

Vladimir V. Shuster, D.M.D.

Kenneth J. Zucker, D.D.S., M.S.

Terryl A. Propper, D.D.S., M.S., Board liaison

Right Facts...Wrong Conclusions

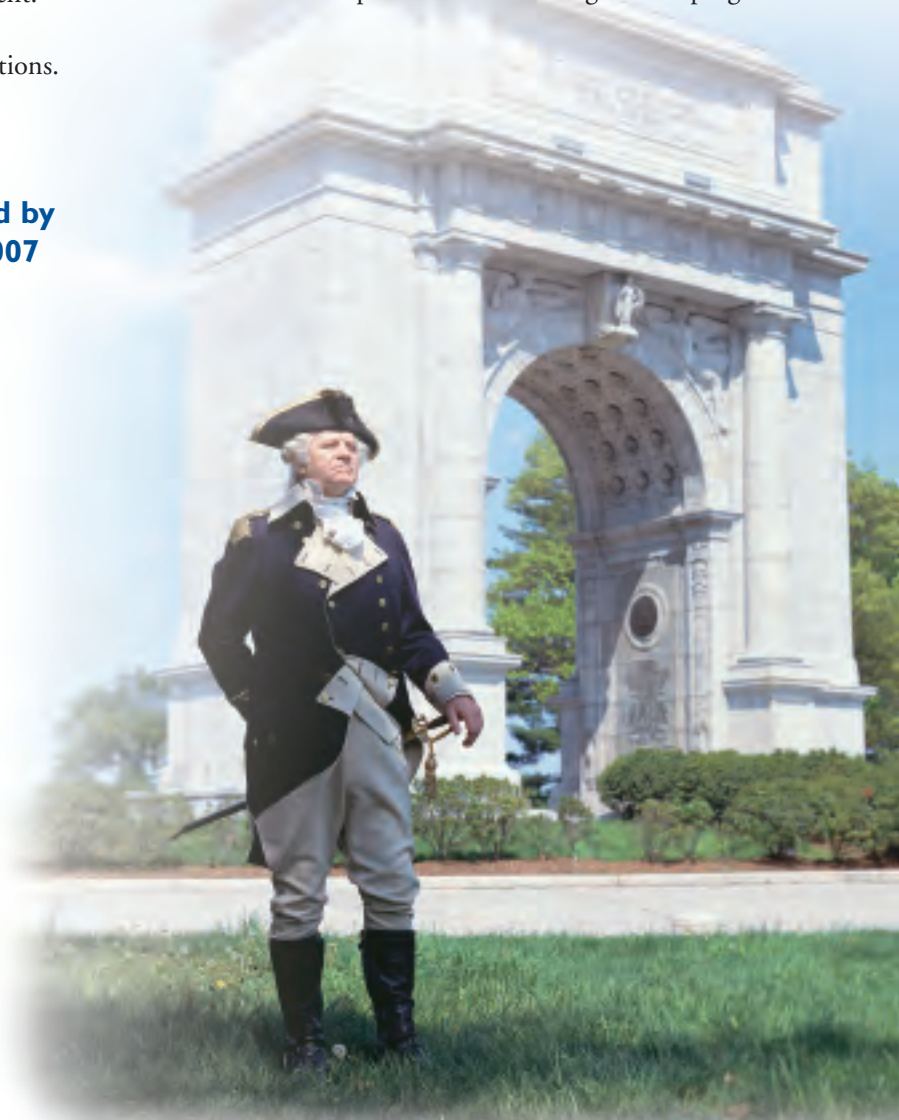


Wm. Ben Johnson, D.D.S.
Tulsa, Okla.

Endodontists are bombarded with statements surrounding the efficacy of various treatment protocols. The facts available from published research can be overwhelming and at times contradictory. The fact is, cleaning and shaping of the root canal space is being done more efficiently than ever. The wrong conclusion we make is that our procedures are “as good as it gets.” The quality of the shapes we create is directly related to the instruments we use. Can they be better? Yes!

At conclusion, participants should be able to:

- Discuss and understand state-of-the-art metallurgy as it relates to rotary instruments.
- Describe design characteristics associated with rotary instruments and be able to select the proper instrument for the task at hand.
- Differentiate various protocols for cleaning and shaping.



Vista
AD

Session Grid

Track	Thursday	Friday	Saturday
THE FUTURE OF ENDODONTICS	<p>1:30 – 3 p.m. OF-100: Leveraging the Power of Brands</p> <p>3:30 – 5 p.m. OF-101: The Dummies Guide to Leasing, Renewing and Purchasing Space</p>	<p>8 – 9:30 a.m. OF-200: Financing Options to Purchase New Technologies and Facility Upgrades and Their Impact on Overhead</p> <p>10 – 11:30 a.m. OF-201: Coaching for Success: Maximizing Your Employees' Performance OF-202: Integrating Microscope Imaging Into Your Everyday Practice</p> <p>1:30 – 3 p.m. OF-203: Microscope Photography Workshop OF-204: Office Design: Get it Right the First Time</p> <p>3:30 – 5 p.m. OF-203 Continued</p>	<p>8 – 9:30 a.m. OF-300: Growing Your Practice Through Effective Use of the Web</p> <p>10 – 11:30 a.m. OF-301: Integrating Technology: What Really Works</p> <p>1:45 – 3:15 p.m. OF-302: Establishing the High-Tech Practice</p>
	<p>1:30 – 3 p.m. NS-100: Pulpal Disease With Apical Periodontitis NS-101: Can Flare-Ups be Prevented?</p> <p>3:30 – 5 p.m. NS-102: Root Canal Cleaning, Disinfection and Obturation Without Instruments NS-103: Failure of Endodontic Therapy—Pathobiology of Post-Treatment Apical Periodontitis</p>	<p>8 – 9:30 a.m. NS-200: Endodontic Infections and Cardiovascular Diseases</p> <p>10 – 11:30 a.m. NS-201: 30 Years of Nonsurgical Endodontics</p> <p>1:30 – 3 p.m. NS-202: Imaging and Diagnosis in Endodontics: Are Radiographs Obsolete? NS-203: Clinical Management of Endodontic Infections</p> <p>3:30 – 5 p.m. NS-204: Is it Worth Retreating?</p>	<p>8 – 9:30 a.m. NS-300: Rules of Engagement: Mastering the Inner and Outer Games of Endodontics</p> <p>10 – 11:30 a.m. NS-300 Continued NS-301: Antibiotics in Endodontics: Are They Necessary? An Evidence-Based Review</p> <p>1:45 – 3:15 p.m. NS-302: The Ideal Rotary File System—Does It Exist? NS-303: An Inside to Treatment Planning—Do We Understand the Language?</p> <p>3:30 – 5 p.m. NS-303 Continued</p>
	<p>1:30 – 3 p.m. PM-100: Extreme Makeover: Practice Management Edition for Endodontists and Office Managers PM-101: Leading the Endodontic Team in a Time of Change PM-102: Building a New Office—Turning the Idea Into a Reality</p> <p>3:30 – 5 p.m. PM-100 Continued PM-102 Continued PM-103: Life After Endo: Planning for and Living a Meaningful Life After You Hang up the Handpiece PM-104: Proven Strategies for Marketing the Endodontic Practice</p>	<p>8 – 9:30 a.m. PM-200: Inquiring Minds Want to Know: Ask the Consultant PM-201: Accumulate, Preserve and Perpetuate Your Assets</p> <p>10 – 11:30 a.m. PM-200 Continued PM-202: Key Financial Decisions Every Dentist Must Make</p> <p>1:30 – 3 p.m. PM-203: Successful Practice Transitions: Learning How to Get the Most Equity Out of Your Most Valuable Asset</p>	<p>8 – 9:30 a.m. PM-300: Risk Analysis of Endodontic Lawsuits and Common Sense Strategies to Prevent Them</p> <p>10 – 11:30 a.m. PM-300 Continued</p> <p>1:45 – 3:15 p.m. PM-301: Transforming Affluence Into Wealth</p>
	<p>1:30 – 3 p.m. PS-100: The Use of Radiology in Endodontics: All You Wanted to Know and Were Afraid to Ask</p> <p>3:30 – 5 p.m. PS-100 Continued</p>	<p>8 – 9:30 a.m. PS-200: Energize Your Life and Your Practice! 7 Keys to Optimal Health and Energy for You and Your Patients</p> <p>10 – 11:30 a.m. PS-200 Continued</p> <p>1:30 – 3 p.m. PS-201: Medical Emergencies Made Simple for the Office Staff PS-202: Unlocking the Mysteries of Dental Codes</p> <p>3:30 – 5 p.m. PS-201 Continued</p>	<p>8 – 9:30 a.m. PS-300: Success Techniques of Our Practices</p> <p>10 – 11:30 a.m. PS-300 Continued</p> <p>1:45 – 3:15 p.m. PS-301: Creating a "Paycheck" for Retirement</p>
PROFESSIONAL STAFF			

Track	Wednesday			Friday			Saturday		
	Endodontics			Trauma			Submitted Presentations		
	<div>8 a.m. – 5 p.m.</div> <div>S-1: Endodontic Microsurgery Workshop</div> <div>Thursday</div> <div>1:30 – 3 p.m.</div> <div>S-100: Microsurgery for the Endodontic Team Workshop</div> <div>S-101: Periapical Biology and Pathology</div> <div>3:30 – 5 p.m.</div> <div>S-100 Continued</div> <div>S-102: Autotransplantation and Intentional Replantation as Viable Options for Tooth Preservation</div>			<div>8 – 9:30 a.m.</div> <div>S-200: Molar Microsurgery: Theory and Live Demonstration Surgery</div> <div>10 – 11:30 a.m.</div> <div>S-200 Continued</div> <div>1:30 – 3 p.m.</div> <div>S-201: Soft Tissue Management</div> <div>S-202: Pain From Endodontic and Nondental Origin: Basic Mechanisms, Differential Diagnosis and Clinical Management</div> <div>3:30 – 5 p.m.</div> <div>S-203: Single-Tooth Implants: Surgery and Restoration</div>			<div>8 – 9:30 a.m.</div> <div>S-300: The Use of Lasers in Endodontic Microsurgery</div> <div>S-301: Implants or Root Canal Treatment: An Evidence-Based Approach</div> <div>10 - 11:30 a.m.</div> <div>S-302: Mineral Trioxide Aggregate</div>		
	<div>1:30 – 3 p.m.</div> <div>T-100: Prevention of Traumatic Injuries: Dental Injuries to Cerebral Concussions– Do Mouthguards Work?</div> <div>3:30 – 5 p.m.</div> <div>T-101: Basic Mechanisms of Trauma and Wound Healing</div>			<div>8 – 9:30 a.m.</div> <div>T-200: Pulp Capping, Pulpotomy and Apexification (8 – 8:45 a.m.) Treatment of the Uncomplicated Crown Fracture (8:45 – 9:30 a.m.)</div> <div>10 – 11:30 a.m.</div> <div>T-201: Revascularization of the Avulsed Tooth and Nonvital Teeth With Apical Periodontitis</div> <div>1:30 – 3 p.m.</div> <div>T-202: Luxation Injuries: From Diagnosis to Treatment</div> <div>3:30 – 5 p.m.</div> <div>T-203: Intentional Replantation and Autotransplantation of Teeth</div>			<div>8 – 9:30 a.m.</div> <div>T-300: Clinical Management of the Avulsed Tooth– Minimizing Resorption Complications</div> <div>10 – 11:30 a.m.</div> <div>T-301: Treatment of Ankylosed Teeth—Decoronation and GBR</div> <div>1:45 – 3:15 p.m.</div> <div>T-302: Emergency Treatment of Soft and Hard Tissue Injuries in the Oral Region</div> <div>3:30 – 5 p.m.</div> <div>T-303: Treatment Planning in Dental Trauma</div>		
	<div>1:30 – 3 p.m.</div> <div>SP-100: Lessons Learned in 50 Years of Endodontic Treatment</div> <div>3:30 – 5 p.m.</div> <div>SP-101: How to Value an Endodontic Practice</div>			<div>8 – 9:30 a.m.</div> <div>SP-200: Differential Negative Pressure Endodontic Irrigation Workshop</div> <div>SP-201: Impact of Changes in Referral Pattern and Evidence-Based Solutions to Adapt to the New Market Demand (8 – 8:45 a.m.) The Endodontist's Role in the Management of Traumatized Teeth (8:45 – 9:30 a.m.)</div> <div>SP-202: Root Canal Treatment or its Alternative Treatments: What is Our Evidence? (8 – 8:45 a.m.) Outcome of Endodontic Treatment—Perceptions and Reality (8:45 – 9:30 a.m.)</div> <div>10 – 11:30 a.m.</div> <div>SP-200 Continued</div> <div>SP-203: Implant Site Preparation (10 – 10:45 a.m.) Potential Applications of Fluoroscopy in Endodontics (10:45 – 11:30 a.m.)</div> <div>SP-204: Root Canal System: Shaping, Cleaning and Disinfecting (10 – 10:45 a.m.) Advanced Imaging Techniques for the Detection, Follow-up and Study of Endodontic Lesions in Bone (10:45 – 11:30 a.m.)</div> <div>1:30 – 3 p.m.</div> <div>SP-205: Guided Tissue Regeneration in Surgical Endodontics: Improving the Prognosis of Periradicular Surgery (1:30 – 2:15 p.m.) Immediate vs. Delayed Surgical Implant Placement (2:15 – 3 p.m.)</div> <div>SP-206: Periodontal Bone Regeneration Techniques in Periapical and Lateroradicular Surgery (1:30 – 2:15 p.m.) Tooth or Titanium: Case Selection and Treatment Planning (2:15 – 3 p.m.)</div> <div>3:30 – 5 p.m.</div> <div>SP-207: The Impact of Dental Implants on Contemporary Endodontics</div> <div>SP-208: Prognosis of Endodontic Microsurgery: Evidence (3:30 – 4:15 p.m.) During Periapical Surgery is it Always Necessary to Remove all Pathosis of Endodontic Origin From the Periapical Area? (4:15 – 5 p.m.)</div> <div>SP-209: Secrets of a Highly Effective and Happy Team (3:30 – 4:15 p.m.) Clinical Teaching in the Undergraduate Clinic (4:15 – 5 p.m.)</div>			<div>8 – 9:30 a.m.</div> <div>SP-300: Ultrasonic Irrigation—The Energy for Success? (8 – 8:45 a.m.) How to Be Successful at Mandibular Anesthesia (8:45 – 9:30 a.m.)</div> <div>SP-301: The Next Paradigm Shift After Ni-Ti Rotary Instruments (8 – 8:45 a.m.) Clinical Introduction of Plastic Endodontic Rotary Files (8:45 – 9:30 a.m.)</div> <div>10 – 11:30 a.m.</div> <div>SP-302: Resident and New Practitioner Career Fair</div> <div>SP-303: Stem Cells, Tissue Engineering and Endodontics (10 – 10:45 a.m.) Exercise, Proper Nutrition and Meditation: The Backbone to a Long, Healthy and Productive Life Within Endodontics and Beyond (10:45 – 11:30 a.m.)</div> <div>SP-304: Quality of Coronal Seal and/or Quality of Canal Filling: What is Important? (10 – 10:45 a.m.) New Concepts and Strategies for Ni-Ti Crown-Down Rotary Instrumentation (10:45 – 11:30 a.m.)</div> <div>1:45 – 3:15 p.m.</div> <div>SP-305: ABE Boardwalk</div> <div>SP-306: Endogastritis: Causes and Cures (1:45 – 2:30 p.m.) Osteonecrosis and Ultrasonic Energy (2:30 – 3:15 p.m.)</div> <div>SP-307: Anatomy is Destiny (1:45 – 2:30 p.m.) Access Preparation as Key to Success (2:30 – 3:15 p.m.)</div> <div>SP-308: Wine Tasting: The Oakville Appellation</div> <div>3:30 – 5 p.m.</div> <div>SP-308 Continued</div> <div>SP-309: Educator Forum: New Pedagogies in Endodontic Education</div> <div>SP-310: Modern Endodontics: A Case Portfolio, Techniques and Materials (3:30 – 4:15 p.m.) The Case of the <i>Enterococcus</i> (4:15 – 5 p.m.)</div>		

Plastic Endo AD

8 a.m. – 5 p.m.

S-I

Room I05 AB

Endodontic Microsurgery Workshop



Richard 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 the opportunity to learn about contemporary microsurgical armamentaria and microsurgical 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 to incise and reflect simulated gingiva, make an osteotomy, remove simulated granulomatous tissue and perform an apicoectomy, retroprep, retrofill and suture, on simulated maxillary anterior bicuspid and molar teeth.

At conclusion, participants should be able to:

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



Designed for the Endodontic Team



Session will not be recorded



Workshop

1:30 – 3 p.m.

NS-100

Room 113 B

Pulpal Disease With Apical Periodontitis



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

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

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

At conclusion, participants should be able to:

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

NS-101

Room 113 C

Can Flare-Ups be Prevented?



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

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

Every clinician practicing nonsurgical root canal therapy has likely provided unanticipated emergency treatment for patients in which endodontic therapy has been initiated or completed. These so-called 'flare-ups' are distressing to both patient and staff. This presentation will explore the current concepts regarding the pathobiology of the flare-up, as well as known risk factors associated with the development of flare-ups. Preventive strategies will be discussed, with an eye towards current research findings that will enable more accurate prediction of patients at risk.

At conclusion, participants should be able to:

- Describe the basics of the pathobiology of flare-ups.
- Describe the risk factors associated with the development of flare-ups.
- Identify preventive strategies and be familiar with current research techniques that will enable better predictive schemes.

OF-100

Room 103 A

Leveraging the Power of Brands



Xavier Drèze, M.S., M.B.A., Ph.D.
Philadelphia, Pa.

*Moderator: Martin D. Levin, D.M.D.
Chevy Chase, Md.*

A discussion will be held on the role of brands in today's business environment. Why do businesses invest money in developing brands? How do consumers relate to brands? How do brands differentiate themselves? Brands are not the sole concern of a large corporation. They are also critical to small businesses. Well-defined brands help when marketing budgets are limited or when one relies on word-of-mouth and viral marketing.

At conclusion, participants should be able to:

- Differentiate brands in terms of POD and POP.
- Differentiate between tangible and intangible brand assets.
- Use collages to assess their brand image.



PM-100

Room 103 C

Extreme Makeover: Practice Management Edition for Endodontists and Office Managers



Linda L. Miles
Virginia Beach, Va.

Moderators: Charles L. Steffel, D.D.S., M.S.D., Indianapolis, Ind., and Lynda Davenport, Brentwood, Tenn.

Dentistry has become very multi-tasked. No longer can endodontists provide total patient care, maintain and attract new referral sources, as well as attend to the business of dentistry—marketing, continuing education, the facility, new techniques, technology and personnel management. Knowing how to hire a practice administrator (more than an office manager) to allow delegation of important tasks of practice administration is the focus of this session.

Many practice administrators have a title but little knowledge of how to do the job correctly. They receive little respect from their team while they attempt to direct and empower their staff; often with little praise or support from the dentist. Discover the five levels of authority each endodontist is comfortable with as a business owner, and how this impacts his or her delegation to the practice administrator and other team members.

At conclusion, participants should be able to:

- Determine the practice administrators' sphere of responsibility.
- Evaluate the long-term success of the practice administrator's position.
- List the keys to hiring a practice administrator.

PM-101

Room 111 AB

Leading the Endodontic Team in a Time of Change



David Schwab, Ph.D.
Orlando, Fla.

Moderator: Michael J. Feldman, D.M.D., Hewlett, N.Y.

Based on the latest business literature and focus on practical issues, this fast-moving course illuminates

demographic and psychographic changes to explore how people in different age cohorts bring different strengths and challenges to a team. Issues to be addressed include accountability, flexibility, dealing with stress, adapting to change, attitude, identity, vision, goals, morale, and leadership. Attendees will receive a "toolbox" full of resources to take back to their teams and use for numerous staff meetings.

At conclusion, participants should be able to:

- Describe conflict resolution within a team.
- Create a culture of accountability.
- Enlist referring doctors and their staff to be part of your (virtual) team.

This presentation will incorporate the use of an Audience Response System.

PM-102

Room 113 A

Building a New Office—Turning the Idea Into a Reality



Andrew N. Byrn, M.B.A.
Brentwood, Tenn.

Moderator: Daniel K. Price, D.D.S., Nashville, Tenn.

This two-part presentation will provide a general understanding of the process required to build a new office for your practice. The first part will examine how to locate and select an appropriate site; analyze different forms of ownership and leasing options; and create a project budget and financial pro-forma. The second part will focus on the course of action for constructing the office, including how to assemble the project team and manage the process from design through occupancy.

At conclusion, participants should be able to:

- Determine and select an appropriate location to build an office.
- Evaluate various ownership and leasing options to make an informed decision regarding the best structure.
- Describe what is required to assemble a successful project team, and manage the design and construction process.

1:30 – 3 p.m. Continued

PS-100

Room 103 B

The Use of Radiology in Endodontics: All You Wanted to Know and Were Afraid to Ask



Thomas Schiff, D.M.D.
Tiburon, Calif.

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

The use of imaging in dentistry is an essential diagnostic tool. The historical two-dimensional films are adequate most of the time since, in the endodontic specialty, instrumentation usually reveals the correct anatomical form of the canals. Some instances, however, require the view of the canals in the third dimension or a true three-dimensional quality. New technology in the form of either tomography, or CAT scanning of a single tooth or the whole dentition is the method image-makers use. The old and the new techniques will be discussed emphasizing the use of digital imaging.

At conclusion, participants should be able to:

- Obtain the proper geometry.
- Switch from analog to digital.
- Determine if three-dimensional imaging is the future or just a luxury.

S-100

Room 105 AB

Microsurgery for the Endodontic Team Workshop



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

*Moderator: Meetu R. Kohli, B.D.S., D.M.D.
Audubon, Pa.*

Workshop Fee: \$400 early/\$450 standard (admits one endodontist and up to two assistants)

This session is designed to instruct the dental team in the current microendodontic and microsurgical techniques. Practical information and a general approach to the modern endodontic practice are presented with special emphasis on the pivotal role of the microscope in nonsurgical and surgical endodontics. The role of the assistant in achieving a seamless clinical performance

under the microscope is discussed. In addition, advanced instruments and materials will be shown and used.

At conclusion, participants should be able to:

- Describe microendodontics and microsurgery, the armamentarium and its use.
- Maintain the microscope and assist with nonsurgical and surgical procedures, as well as examine and identify faulty rotary Ni-Ti files.
- Position and prepare patients correctly to increase the efficiency of the microsurgical procedure.

S-101

Room 108 A

Periapical Biology and Pathology



P.N.R. Nair, B.V.Sc., D.V.M., Ph.D.
Zurich, Switzerland

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

This lecture will carry the participants through the initiation of apical periodontitis, the complexity of the etiology of this biofilm-induced inflammatory disorder, the interaction between the inhabitants of the biofilm and the host, and the genesis and manifestations of various histopathological categories of the disease, so as to enable the practitioner to provide knowledge-based patient care. The lecture will be profusely illustrated with real histological and ultrastructural images.

At conclusion, participants should be able to:

- Describe apical periodontitis as a biofilm-induced inflammatory disease.
- Describe the disease process (pathogenesis) as a dynamic interaction between the microbes and body defense.
- Discuss the clinical and histopathological manifestations (classification) of apical periodontitis lesions.

SP-100

Room 109 AB

Lessons Learned in 50 Years of Endodontic Treatment



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

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

The past 50 years have been the “golden years of endodontics.” The myths of the focal infection theory were overturned, patients realized that many teeth extracted in the past could be retained and general practitioners were content to refer to endodontists for reliable therapy. This was followed by elimination of silver points as canal-filling material and development of superior results with gutta-percha. The final stage was the introduction of new metals and techniques for canal preparation. This presentation will illustrate how these events have improved our position in sophisticated dentistry.

At conclusion, participants should be able to:

- Discuss the problems facing endodontists practicing 50 years ago.
- Describe the improvement in results obtained by substituting gutta-percha for silver points.
- Utilize the advantages offered by newer materials and continue research for better products.

T-100

Room 107 AB

Prevention of Traumatic Injuries: Dental Injuries to Cerebral Concussions—Do Mouthguards Work?



John F. Wisniewski, D.M.D.
Cary, N.C.

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

The field of sports dentistry is increasing in popularity, in part due to the general population's concern for health, fitness and exercise. By participating in the “newer” sports, such as soccer, field hockey and the martial arts, in addition to the “older” ones of Little League baseball, basketball, football and hockey, athletes run various risks of dental injuries. Does wearing mouthguards reduce dental injuries? Are there other reasons for their usage? Which types are best? In addition, television, magazines and newspapers are making the public aware of the occurrence of mild traumatic brain injuries (concussions). Physicians are consulting with dentists regarding methods of prevention. If a physician asked you the question, “Will wearing a mouthguard help prevent a cerebral concussion?”...how would you respond? The clinical endodontist attending this program will be provided the necessary information in order to answer such questions.

At conclusion, participants should be able to:

- Critically assess the literature regarding the occurrence of dental injuries and cerebral concussions, and their association with dental mouthguard usage.
- Discuss and analyze the mechanism of cerebral concussion and its association with mouthguard usage.
- List what mouthguard usage will and will not accomplish and be able to discern the “true” advantages versus the “common misbelieved notions” as related to using custom-made and boil-and-bite-made mouthguards.

3:30 – 5 p.m.

NS-I02

Room I 13 B

Root Canal Cleaning, Disinfection and Obturation Without Instruments



Beat Suter, D.M.D.
Bern, Switzerland

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

Our group has been working for many years with noninstrumental technology (NIT). Cleansing of the root canal system is achieved with hydrodynamic turbulences, which make the irrigant penetrate the entire canal system. Obturation is achieved using vacuum pumps, which create a reduced pressure environment in the root canal system and allow the root canal filling material to be sucked into the entire system. The lecture will review the development, achievements and problems of this novel method.

At conclusion, participants should be able to:

- List the principles of root canal disinfection with consideration for the complexity of the root canal system.
- Describe the hydrodynamic effects created in the root canal system when using NIT.
- Summarize the results of *in vivo* root canal obturation using the noninstrumental technology.

NS-I03

Room I 13 C

Failure of Endodontic Therapy: Pathobiology of Post-Treatment Apical Periodontitis



P.N.R. Nair, B.V.Sc., D.V.M., Ph.D.
Zurich, Switzerland

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

In this lecture, endodontic “failures” will be defined, historical misunderstanding on the causes highlighted, “failed” cases analyzed, potential causes of failures short-listed, and the Koch’s postulates on them fulfilled. Options for treating failures, the impact of one-visit treatment on biofilm, the limits of current technology and future possibilities will be discussed. The presentation will carry participants from eyesight to high-resolution electron microscopic images of the real world of the disease instead of using computer-generated virtual reality. Analysis of failed cases by correlative light and electron microscopy to arrive at the real causes of failures will take place. The presentation will also induce similar pathology in experimental animals so as to fulfill the Koch’s postulates, test the impact of one-visit treatment on root canal biofilm, and summarize the limits of technology and future prospects in endodontology.

At conclusion, participants should be able to:

- List the real causes of persistent radiolucencies of teeth even after a “state-of-the-art” root canal treatment.
- Make rational decisions about further treatment plan.
- Provide knowledge-based patient care.



OF-101

Room 103 A

The Dummies Guide to Leasing, Renewing and Purchasing Space



Charles J. Levin, J.D.
Tampa, Fla.

*Moderator: Martin D. Levin, D.M.D.
Chevy Chase, Md.*

Leasing, renewing and purchasing space for your office can be time consuming and confusing—and mistakes can be expensive. This session will help you determine if leasing or purchasing space is better under various circumstances. In addition, the course reviews the best ways to obtain consultants, and ultimately, a lease that provides the highest possible level of benefit from the lease language for the operation of an endodontic office.

At conclusion, participants should be able to:

- Identify the better alternative between leasing and purchasing space for the operation of an endodontic office.
- Apply certain principles in choosing professional consultants.
- Compare and contrast alternative proposals and assist in the negotiation of the lease.

PM-100 Continued

Room 103 C

Extreme Makeover: Practice Management Edition for Endodontists and Office Managers



Linda L. Miles, Virginia Beach, Va.

Moderators: Charles L. Steffel, D.D.S., M.S.D., Indianapolis, Ind., and Lynda Davenport, Brentwood, Tenn.

See page 25 for a complete session synopsis.

PM-102 Continued

Room 113 A

Building a New Office—Turning the Idea Into a Reality

Andrew N. Byrn, M.B.A., Brentwood, Tenn.

Moderator: Daniel K. Price, D.D.S., Nashville, Tenn.

Please see page 25 for a complete session synopsis.

PM-103

Room 107 AB

Life After Endo: Planning for and Living a Meaningful Life After You Hang up the Handpiece



Robert J. Rosenberg, D.D.S., D.Sc.D.
Kentfield, Calif.

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

Many of us are terrified at the thought of retirement. “What am I going to do now?” echoes through our too programmed skulls. We are concerned that the validation given us by our endodontic practices will be lost when we no longer have to go to the office in the morning. Don’t jump off the bridge just yet. There is a full and meaningful life ahead of you that balances recreation, community service, family and more.

At conclusion, participants should be able to:

- Avoid hyperventilating at the thought of retirement.
- Create balance in their lives whether they are practicing for the short- or long-haul, or are already retired.
- Discuss how community service can foster meaning in your life when you are no longer in the office or are slowing down in your practice.



3:30 – 5 p.m. Continued

PM-104

Room III AB

Proven Strategies for Marketing the Endodontic Practice: Leading the Endodontic Team in a Time of Change



David Schwab, Ph.D.
Orlando, Fla.

*Moderator: Michael J. Feldman, D.M.D.
Hewlett, N.Y.*

Developed exclusively for the endodontic community, this course provides attendees with numerous tips and techniques for developing their niche and message to increase referrals. The course also includes guidance for explaining the benefits of endodontic treatment to patients, quoting fees and achieving outstanding case acceptance. This presentation helps endodontists and team members educate the public, improve communication, incorporate new business technologies and build the endodontic practice. Participants will receive practical, user-friendly information that they can take back to their practices and implement immediately.

At conclusion, participants should be able to:

- Motivate dentists to refer more patients.
- Communicate more effectively with referring dentists and develop new referral sources.
- Tap into the public's fascination with cosmetic dentistry.

This presentation will incorporate the use of an Audience Response System.

PS-100 Continued

Room 103 A

The Use of Radiology in Endodontics: All You Wanted to Know and Were Afraid to Ask

Thomas Schiff, D.M.D., Tiburon, Calif.

Moderator: Bruce C. Justman, D.D.S., Iowa City, Iowa
See page 26 for a complete session synopsis.

S-100 Continued

Room 105 AB

Microsurgery for the Endodontic Team Workshop



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

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

See page 26 for a complete session synopsis.

S-102

Room 108 A

Autotransplantation and Intentional Replantation as Viable Options for Tooth Preservation



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



Seung-Jong Lee, D.D.S., M.S.
Seoul, South Korea

*Moderator: Leif K. Bakland, D.D.S.
Loma Linda, Calif.*

This two-part presentation will discuss the successes and failures of 300 autotransplantation cases and several intentional replantation cases performed in both endodontic clinics and private practice over the past 15 years. With autotransplantations, the technique of utilizing the CT rapid prototyping for alveolar bone shaping to fit the donor tooth will be discussed, as well as technical tips for performing intentional replantation.

At conclusion, participants should be able to:

- Describe the advantages of autotransplantation and intentional replantation compared to other treatment modalities for preserving teeth.
- List the factors related to success and failure of tooth transplantation and replantation.
- Describe the technical procedures of autotransplantation and intentional replantation.

SP-101

Room 109 AB

How to Value an Endodontic Practice



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

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

This session will help you understand the issues involved in determining what you might expect to pay for or receive upon the sale of an endodontic practice. There are many factors that can affect the value, including location, antiquity or modernity of the practice, urgency of sale, plus many more variables. We invite you to learn more about the things you can do to increase the value of your practice.

At conclusion, participants should be able to:

- List the variables in practice valuation.
- Adapt necessary changes to increase the value of their practice.
- Determine what an endodontic practice is worth and why.

T-101

Room 114

Basic Mechanisms of Trauma and Wound Healing



Jens O. Andreasen, D.D.S.
Birkerød, Denmark

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

After dental trauma, a series of wound-healing processes begin. These processes are primarily related to the severity of the trauma and the age of the patient. The processes, which under optimal conditions can lead to complete pulp and periodontal ligament healing, can also be negatively influenced by treatment delay, contamination of the wound with bacteria, inadequate splinting procedures and insufficient pulp capping or pulpotomy.

At conclusion, participants should be able to:

- Describe how trauma and treatment may interfere with healing.
- Describe the nature of pulp and periodontal healing.
- Evaluate how repositioning, splinting and antibiotics may favor or deteriorate healing.



8 – 9:30 a.m.

NS-200

Room I13 C

Endodontic Infections and Cardiovascular Diseases



Leif Tronstad, D.M.D., Ph.D.
Hovik, Norway

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

Evidence is accumulating that links infection and chronic inflammation to arteriosclerosis. Most microorganisms in endodontic infections are known to adapt over time to live in many different environments, and can establish life-long chronic infections in their hosts. In this session, biofilms in heart and vascular tissues with bacteria commonly found in endodontic infections will be shown, supporting the hypothesis that infection is an important factor in the etiology and progression of cardiovascular diseases.

At conclusion, participants should be able to:

- Describe the new understanding of endodontic infections evolving from molecular and electron microscope studies.
- Discuss long-term bacteria/host interactions.
- Describe the presence of biofilms in heart and vascular tissues, and the possible role of endodontic infections in the etiology and progression of cardiovascular diseases.

OF-200

Room I03 A

Financing Options to Purchase New Technologies and Facility Upgrades and Their Impact on Overhead



Bruce Bryen, C.P.A.
Marlton, N.J.



Thomas L. Snyder, D.M.D., M.B.A.
Marlton, N.J.

*Moderator: Thomas J. Gillen, D.M.D., M.Sc.
Murrysville, Pa.*

This program will present various personal and professional options to purchase new equipment and upgrade your facilities. Calculating return on investment and break-even analysis will also be presented.

At conclusion, participants should be able to:

- Use tax-advantage planning to purchase equipment.
- Review financing strategies for upgrading a facility.
- Apply break-even analysis to manage your overhead.



PM-200

Room 103 B

Inquiring Minds Want to Know: Ask the Consultant



Linda L. Miles
Virginia Beach, Va.

Moderators: Terryl A. Propper, D.D.S., M.S., Brentwood, Tenn., and Michele M. Whitley, Peabody, Mass.

This interactive session will focus on questions that come up in the daily operations of a busy endodontic office. Specifically designed for administrative office staff and clinical staff, you will have the opportunity to address problems in your office by “asking the consultant.” Such topics as: how to reduce patient stress, discourage broken or changed appointments, talk finances and give the endodontic procedure value, will be among those topics discussed. Questions from the participants will give this forum its direction. Please come prepared with your communications or practice management questions.

At conclusion, participants should be able to:

- Manage objections from the patients about the “cost” of the procedure.
- Deal with changed, broken and cancelled appointments so the schedule is not disrupted.
- Reduce stress through better management techniques.

PM-201

Room 108 B

Accumulate, Preserve and Perpetuate Your Assets



Darrell W. Cain, M.P.A., C.P.A., C.V.A.
Dallas, Texas

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

This discussion focuses on the three financial stages of your life defined as: Accumulation (working), Preservation (retirement) and Perpetuation (estate planning). You will learn how to take advantage of the earnings in your specialty practice, while avoiding the negative effects of mishandling debt and overpaying taxes. Current pension

law changes will be explained in conjunction with saving money in the most efficient environments, and today’s current investment strategies will also be explored.

At conclusion, participants should be able to:

- Explain the short- and long-term benefits of maximizing your tax-deferred savings, where the money is going to come from and in what areas of investment this is possible.
- Discuss the different pension plans that new pension laws have provided, and which plan is appropriate for your individual circumstance.
- Discuss the importance of quality money management, what companies you should own and how interest rates will continue to affect the economy.

PS-200

Room 103 B

Energize Your Life and Your Practice! 7 Keys to Optimal Health and Energy for You and Your Patients



Gerry T. Morton, M.S.
Manhattan Beach, Calif.

Moderators: Ginny S. Jorgensen, Appleton, Wis., and Jane Peck, M.B.A., Colorado Springs, Colo.

Health and wellness expert Gerry Morton reveals the keys to high-energy living through balanced nutrition, effective exercise, strategic supplementation and stress management. How to transform your body into an energy-producing machine (based on the latest biochemistry and exercise physiology research) will be explained; the motivation to adopt energizing lifestyle habits will be provided; and practical guidelines to sustaining peak energy and health in any circumstance—at home with family, at the office and on the road—will be given.

At conclusion, participants should be able to:

- Describe how the state of your dental health can also indicate risk of diseases like type-2 diabetes, heart disease and stroke.
- Describe the seven keys to optimal health and energy.
- Describe the link between low antioxidant levels and chronic periodontal disease.

8 – 9:30 a.m. Continued

S-200

Room 114

Molar Microsurgery: Theory and Live Demonstration Surgery



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



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

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

Molar apical surgery is considered to be one of the most challenging endodontic procedures. Taking advantage of modern communication technology, a live demonstration surgery will be performed on a mandibular first molar and televised via satellite to the convention center. Special emphasis will be placed on the management of the mental nerve, ultrasonic root-end preparation and MTA root-end fillings. At the conclusion of the surgery, the procedures and theory will be discussed. This high-tech unique format will illustrate the advantages of the microscopic approach of molar apical surgery.

At conclusion, participants should be able to:

- Describe the basic microscopic procedure of a molar apical surgery and instruments used.
- Apply this knowledge for managing the mental nerve during surgical retreatment.
- Compare and contrast the traditional methods of apical surgery with the modern microscopic approach.

Please Note: The first 90 minutes of this session will discuss the theory of molar microsurgery followed by the live demonstration at 10 a.m.

SP-200

Room 105 AB

Differential Negative Pressure Endodontic Irrigation Workshop



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

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

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

This hands-on workshop will demonstrate how positive pressure fluid dynamics prevent 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 micronegative pressure streaming that creates optimal debridement.

At conclusion, participants should be able to:

- Describe the fluid dynamics that produce sodium hypochlorite accidents and prevent their occurrence.
- Describe why endodontic irrigants (regardless of type), delivered via current positive pressure techniques, fail to adequately circulate irrigants through the apical two millimeters.
- Apply the EndoVac technique in any clinical setting using only a standard office high-volume evacuation system to achieve optimal debridement and disinfection.

SP-201

Room III AB

Impact of Changes in Referral Pattern and Evidence-Based Solutions to Adapt to the New Market Demand (8 – 8:45 a.m.)



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

*Moderator: Henry J. Rankow, D.D.S.
Harrisburg, Pa.*

Increases in the level of difficulty of the cases referred to endodontic practice has surfaced since the diffusion of mechanical instrumentation to the general practitioner community. A new challenge is now being created by the popularization of implantology, reaching not only our potential referring dentist, but the patient population as well. Keeping up with patient and referring dentist expectations has modified the way we clinically plan and treat our most challenging cases in order to keep our long-term prognosis at an optimum level.

At conclusion, participants should be able to:

- Decide when and how to further the clinical investigation in order to propose a current, evidence-based treatment plan.
- Interpret and present all relevant data to the patient and referring dentist.
- Integrate current and cutting-edge technologies into the clinical practice.

The Endodontist's Role in the Management of Traumatized Teeth (8:45 – 9:30 a.m.)



Cecilia Bourguignon, D.D.S.
Paris, France

*Moderator: Henry J. Rankow, D.D.S.
Harrisburg, Pa.*

Endodontists are frequently referred to as “the root canal specialists.” This view is restrictive, particularly when considering the role endodontists should play in dental trauma. Endodontists play a key role in the prevention and treatment of post-traumatic sequels, such as pulpal necrosis, apical periodontitis and inflammatory root resorption. Additionally, they are the specialists facilitating pulp survival, pulp healing or pulp revascularization, elements which will favor periodontal healing and root development of immature teeth.

At conclusion, participants should be able to:

- Describe the role endodontists should play in the management of dental trauma.
- Provide an overview of treatment options' current concepts for dental injuries.
- Recommend the ideal post-traumatic treatment and follow-up regimen while working in concert with other dentists and specialists.



8 – 9:30 a.m. Continued

SP-202

Room I 13 B

Root Canal Treatment or its Alternative Treatments: What is Our Evidence?

(8 – 8:45 a.m.)



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



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

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

Clinicians are currently confronted with difficult choices. Should a tooth be saved through root canal treatment, should it be extracted without any replacement, or be replaced with a fixed partial denture or single-tooth implant? Acquiring complete, unbiased information to help dentists and their patients make these choices requires a systematic review of the literature related to the outcomes of these procedures. The purpose of this presentation is to describe the results of a systematic review related to the questions in the American Dental Association Foundation's request for proposal that addresses the beneficial or harmful clinical, biological, psychosocial and/or economic outcomes of root canals compared to their alternative treatments.

At conclusion, participants should be able to:

- Describe the impact of dental implants on treatment planning.
- Discuss current criteria used to determine outcomes of root canal treatment and its alternative treatments.
- Describe how a search strategy was developed for selection of studies related to outcomes, benefits and harms of root canal treatment and its alternative treatments, and how the quality of these studies was analyzed and interpreted.

Outcome of Endodontic Treatment—Perceptions and Reality (8:45 – 9:30 a.m.)



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

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

Knowledge of endodontic treatment outcome is important for appropriate case selection and treatment decision-making. In addition, perceptions of referring dentists regarding the predictability of endodontic treatment merit consideration by the endodontist. This may determine whether patients will retain their natural dentition or if the affected tooth will be replaced by an implant. Studies assessing treatment outcome 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 outcome.
- Evaluate updated data obtained from large cohorts of patient populations.
- Apply this knowledge for evidence-based assessment of prognosis and treatment decision-making.

T-200

Room 107 AB

Pulp Capping, Pulpotomy and Apexification

(8 – 8:45 a.m.)



Leif K. Bakland, D.D.S.
Loma Linda, Calif.

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

This presentation on the endodontist and dental trauma will provide the latest concepts in managing teeth with traumatically exposed pulps and immature teeth with pulp necrosis.

At conclusion, participants should be able to:

- Determine the treatment approach with the best prognosis in situations of teeth with traumatic pulp exposures.
- Describe the importance of maintaining pulp vitality in young patients with traumatic dental injuries.
- Choose treatment options for immature teeth with pulp necrosis.

Treatment of the Uncomplicated Crown Fracture (8:45 – 9:30 a.m.)



André V. Ritter, D.D.S., M.S.
Chapel Hill, N.C.

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

Uncomplicated crown fractures are common sequelae of dental trauma. The proper management of these fractures is fundamental to restore both function and esthetics. This presentation will review the current state of the clinical treatment of the uncomplicated crown fracture. Simplified adhesives and composite layering techniques will be reviewed and illustrated with clinical cases. The presentation will also highlight simple yet effective matrix techniques that can be used to restore uncomplicated crown fractures with modern adhesives and composites.

At conclusion, participants should be able to:

- Recognize uncomplicated crown fractures.
- Recognize the different types of adhesives and composites available to treat uncomplicated crown fractures.
- Describe the clinical technique for the treatment of the uncomplicated crown fracture.

10 – 11:30 a.m.

NS-201

Room 113 C

30 Years of Nonsurgical Endodontics



Uziel Blumenkranz, D.D.S.
Rockville, Md.

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

This presentation will focus on the nonsurgical aspects of endodontic treatments and the high success rate achievable as long as the practitioner can predetermine accurately when to proceed with treatment or alternative possibilities, e.g., extraction and implant replacement, endodontic surgery and intentional replantation.

At conclusion, participants should be able to:

- Describe different instances in which applying current knowledge and technology to nonsurgical approaches is still preferable to extraction and replacement.
- Discuss the importance of preprocedure diagnosis when facing different operative dilemmas.
- Discuss the importance of recalls as indicators of success or failure in nonsurgical endodontic treatments.



Friday



Designed for the Endodontic Team



Session will not be recorded



Workshop

10 – 11:30 a.m. Continued

OF-201

Room 103 A

Coaching for Success: Maximizing Your Employees' Performance



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

*Moderator: Raney J. Deschenes, D.M.D., M.S.
Cape May Court House, N.J.*

It is estimated that 70 percent of managers fail to engage in the most basic employee performance management practices. Despite the potentially negative effects of ignoring employee performance (e.g., low employee commitment, productivity, etc.), few managers seem to take the necessary steps to regularly manage performance. Whether due to a lack of time, skill or fear associated with coaching people, “under management” is widespread. Using basic evidence-based practices, managers can more fully engage their employees, heighten commitment and maximize performance.

At conclusion, participants should be able to:

- Articulate the benefit of an evidence-based approach to managing employee performance.
- Increase employee confidence in evaluating performance.
- Describe the basic steps involved in providing performance feedback.

OF-202

Room 113 A

Integrating Microscope Imaging Into Your Everyday Practice



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



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

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

The rapid acceptance of the dental microscope as an integral part of the practice is an example of how its benefits can change the standard for excellence. As with many paradigm shifts, adjunct information needed for good decisions can lag behind. In the case of the microscope, information for the most effective means of microimaging (seeing, capturing and using the microscopic images) can be confusing and requires explanation. Disturbing instances of expensive mistakes are not rare. The problem is—how do you know what is right for you? This session is designed to optimize the selection of the microscope, the beam splitter, the camera adaptor and camera, as well as explain capturing, documenting and transmitting images for enhancing your practice.

At conclusion, participants should be able to:

- Select and appropriately match the microscope, beam-splitter and camera.
- Efficiently record still and video images.
- Effectively manipulate and transmit recorded images.

PM-200 Continued

Room 103 B

Inquiring Minds Want to Know: Ask the Consultant

Linda L. Miles, Virginia Beach, Va.

*Moderators: Terryl A. Propper, D.D.S., M.S., Brentwood, Tenn., and
Michele M. Whitley, Peabody, Mass.*

See page 33 for a complete session synopsis.

PM-202

Room 108 B

Key Financial Decisions Every Dentist Must Make



Darrell W. Cain, M.P.A., C.P.A., C.V.A.
Dallas, Texas

Moderator: George T. Goodis, D.D.S.
Grosse Pointe, Mich.

In business, you are routinely asked to make decisions that will result in either an economic advantage or disadvantage. For the most part, when you make these decisions, you are not aware that the results can be so significant. Are your decisions emotionally driven or are they made based on the economics involved? This lecture will give you the facts so that your choices can propel you towards financial security.

At conclusion, participants should be able to:

- Describe the consequences of business decisions such as incorporating, practice valuation, selling a practice, and retaining ownership of a building after selling a practice.
- Decide what type of retirement plan is appropriate, at what point staff costs are too high to continue with a pension plan, and how to compensate a spouse who works in the practice.
- Explain how to save when you just do not feel like you have the extra cash, handle practice and personal debt, and decide where your money should be invested.

PS-200 Continued

Room 103 B

Energize Your Life and Your Practice! 7 Keys to Optimal Health and Energy for You and Your Patients



Gerry T. Morton, M.S., Manhattan Beach, Calif.
Moderators: Ginny S. Jorgensen, Appleton, Wis., and
Jane Peck, M.B.A., Colorado Springs, Colo.

See page 33 for a complete session synopsis.

S-200 Continued

Room 114

Molar Microsurgery: Theory and Live Demonstration Surgery

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

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

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

See page 34 for a complete session synopsis.

SP-200 Continued

Room 105 AB

Differential Negative Pressure Endodontic Irrigation Workshop



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

Moderator: Mark B. Desrosiers, D.M.D., Pomfret Center, Conn.

See page 34 for a complete session synopsis.

SP-203

Room 111 AB

Implant Site Preparation (10 – 10:45 a.m.)



Khalid A. Al-Hezaimi, B.D.S.
Medford, Mass.

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

Developing artificial replacements for missing teeth has been an elusive goal for the dentist striving to achieve patient satisfaction. Due to the fact that missing teeth have been extracted either due to caries or periodontal disease, most often these future implant sites are associated with either soft and/or hard tissue defects, which may compromise the function and aesthetic of a dental implant and need to be addressed prior to its placement.

At conclusion, participants should be able to:

- Identify the indication of a free gingival and/or connective tissue graft prior or after implant placement.
- Identify the indication and the principles of guided bone regeneration (GBR) prior to implant placement.
- Identify the indication and the principles of guided tissue regeneration (GTR) prior to implant placement.



10 – 11:30 a.m. Continued

SP-203 Continued

Room 111 B

Potential Applications of Fluoroscopy in Endodontics (10:45 – 11:30 a.m.)



Daniel Uzelger-Feldman, D.D.S.
Philadelphia, Pa.

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

Procedural errors cause approximately 14 percent of root canal failures. Endodontists work "blindly" during procedures due to the static nature of current x-ray imaging technology. These problems have been solved in the medical field; for more than 100 years, fluoroscopy has allowed physicians to "see" x-ray imaging procedures continuously in real-time, with no interruptions. This presentation describes how dental fluoroscopy could improve the quality and efficiency of endodontic therapy by reducing procedural errors and saving working time.

At conclusion, participants should be able to:

- Describe the problems associated with working "blindly" with the use of currently available static x-ray imaging technologies.
- Identify how fluoroscopy has helped physicians to reduce procedural errors and save working time while minimizing radiation dosage.
- Describe how fluoroscopy can be adapted for dental usage.

SP-204

Room 113 B

Root Canal System: Shaping, Cleaning and Disinfecting (10 – 10:45 a.m.)



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

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

This presentation will discuss using scientific research of endodontic procedures related to glide-path formation, coronal and apical shaping, and enhanced cleaning techniques. Of critical importance are the issues of coronal size and shape relating to the final restoration,

apical patency, extent and diameter affecting outcome results. Enhanced root canal system disinfection will be discussed using existing scientific research.

At conclusion, participants should be able to:

- Determine the appropriate coronal size and shape related to restorative needs.
- Determine how apical patency, extent and diameter affect outcome results.
- Discuss the importance of enhanced root canal system disinfection.

Advanced Imaging Techniques for the Detection, Follow-up and Study of Endodontic Lesions in Bone (10:45 - 11:30 a.m.)



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

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

Imaging in endodontics is of great importance for the diagnosis, treatment planning, follow-up and overall study of periapical lesions. Along with conventional radiographic techniques, today we have the choice of several advanced systems, such as computerized tomography, cone beam-computerized tomography, magnetic resonance and real-time echotomography. All of these techniques enable us to obtain more accurate images that, from time to time, may become helpful in making a predictable differential diagnosis of lesions in bone, in knowing the exact extension of a lesion, its vascular supply and basic features; and in describing the response of the lesions to endodontic treatment. All of these possible options will be discussed using clinical cases and current literature references.

At conclusion, participants should be able to:

- Identify some of the possible alternative techniques to conventional radiography in endodontics.
- Determine which imaging technique may be used when a differential diagnosis is needed to evaluate a lesion in the bone.
- Determine which imaging technique may be used when it is important to know the size, vascular supply and degree of inflammation of a given bone lesion or endodontic lesion.

1:30 – 3 p.m.

T-201

Room 107 AB

Luxation Injuries: From Diagnosis to Treatment



Thomas von Arx, Dr. Med. Dent., P.D.
Bern, Switzerland

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

Orofacial trauma, and in particular dento-alveolar trauma, represents one of the few situations where dentists are called upon to make unscheduled diagnostic and treatment decisions in an area outside their routine experience. In cases with injuries to the periodontal tissues, e.g., luxation injuries, not only the involvement of the pulp, but also of the periodontium must be considered for treatment and long-term outcome.

At conclusion, participants should be able to:

- List the various forms of luxation injuries with their clinical and radiographic characteristics.
- Describe the treatment approach with respect to pulpal and periodontal tissues in luxated teeth.
- Summarize possible long-term sequelae following luxation injuries.

NS-202

Room 113 C

Imaging and Diagnosis in Endodontics: Are Radiographs Obsolete?



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

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

As imaging of dental and peridental structures has improved, our ability to visualize and diagnose dental and, in particular, endodontic lesions is greatly enhanced. Through the use of *in vitro* models and clinical cases, this presentation will discuss and compare the state-of-the-art visualization techniques with emphasis on their advantages and limitations in diagnosing endodontic disease.

At conclusion, participants should be able to:

- Identify the latest dental/peridental imaging techniques.
- List the advantages and disadvantages of these imaging techniques.
- Determine when to use conventional and state-of-the-art techniques for endodontic diagnosis.



Friday



Designed for the Endodontic Team



Session will not be recorded



Workshop

1:30 – 3 p.m. Continued

NS-203

Room 114

Clinical Management of Endodontic Infections



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

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

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

At conclusion, participants should be able to:

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

OF-203

Room 105 AB

Microscope Photography Workshop



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

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

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

At conclusion, participants should be able to:

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

OF-204

Room 113 A

Office Design: Get it Right the First Time



Michael Unthank, D.D.S.
Lincoln, Neb.

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

This course is intended for anyone planning a change in their office environment, whether leasing, buying, remodeling or constructing a new building. Learn how to create not only an attractive office, but one with appropriate zoning of public and private activities in combination with unimpeded flow. "Plan" to produce as much as you choose while enjoying less stress. It costs more to build it wrong than it does to build it right!

At conclusion, participants should be able to:

- Develop a "design program" reflective of how you intend to practice.
- Describe the contributions required from the "team" of professionals necessary to accomplish facility goals.
- Describe the role of the facility in communicating quality of service.

This presentation will incorporate the use of an Audience Response System.

PM-203

Room 108 B

Successful Practice Transitions: Learning How to Get the Most Equity Out of Your Most Valuable Asset



Darrell W. Cain, M.P.A., C.P.A., C.V.A.
Dallas, Texas

*Moderator: Michael B. Lindemann, D.D.S., M.S.
Flint, Mich.*

Your practice is most likely your most valuable asset. Learn how to make that asset drastically increase your ability to attain financial freedom. We will identify the components and phases of a successful practice transition, as well as show you a proven plan of successful implementation. There are extreme tax advantages for both the buyer and the seller if all of the right systems are in place prior to the sale.

At conclusion, participants should be able to:

- Describe the process of sheltering the sale-of-practice proceeds from tax by utilizing the right type of pension plan.
- Explain how selling a portion of your business at the right time in your career can add millions of dollars to your financial plan.
- Describe the financial and personal importance of having a well thought-out, proven plan for partnership development.

PS-201

Room 103 B

Medical Emergencies Made Simple for the Office Staff



Steven J. Filler, D.D.S., M.S., M.A.
Birmingham, Ala.

*Moderators: Michael S. Austin, M.B.A., Tucson, Ariz., and
Lynda Davenport, Brentwood, Tenn.*

This course will allow dental staff the opportunity to review and enhance basic skills in the supportive treatment of medical emergencies occurring in the dental office. Topics will include prevention, preparation and supportive treatment of common medical emergencies. The course is designed to provide practical, simple, easy-to-follow steps for the proper handling of such emergencies.

At conclusion, participants should be able to:

- Use preventive measures to minimize occurrences of office medical emergencies.
- Enhance office and staff preparation for medical emergencies.
- Assume a supportive role in the team treatment of medical emergencies.

PS-202

Room 103 C

Unlocking the Mysteries of Dental Codes



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



D. Scott Navarro, D.D.S.
Parsippany, N.J.



Frank Pokorny
Chicago, Ill.



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

*Moderator: Steven D. Shoha, D.D.S.
Southfield, Mich.*

This session targets endodontic staff that use *ADA CDT-2007* dental codes. Participants will learn how to code the procedures they perform more accurately and therefore enhance the doctor/patient/third-party relationship. This year, attendees will hear the inside story from the insurance industry and the ADA, as well as from practicing endodontists. The speakers will take the mystery out of coding and discuss cases to illustrate their points. This session is designed specifically for endodontic staff members.

At conclusion, participants should be able to:

- Describe codes from *ADA CDT-2007*.
- Increase accuracy of the dental codes used to report procedures (whether fee-for-service or participating provider).
- Discuss the dental insurance industry perspective on codes.

1:30 – 3 p.m. Continued

S-201

Room 103 A

Soft Tissue Management



Peter Velvart, D.M.D.
Zurich, Switzerland

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

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

At conclusion, participants should be able to:

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

S-202

Room 108 A

Pain From Endodontic and Nondental Origin: Basic Mechanisms, Differential Diagnosis and Clinical Management



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

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

This program will discuss the treatment option of a dental implant for an edentulous area or in the case of a hopeless tooth. The importance of esthetics and gingival management has significant impact especially in the single-tooth anterior implant. Topics to be discussed include the periodontal biotypes, and surgical and restorative procedures.

At conclusion, participants should be able to:

- Describe indications and contraindications for dental implants, and determine the consequences of placing an implant too far to the facial or lingual.
- Apply this knowledge toward the treatment planning and insertion of a single-tooth implant.
- Distinguish between the thin/scalloped and thick/flat types of periodontal biotypes.

SP-205

Room 111 AB

Guided Tissue Regeneration in Surgical Endodontics: Improving the Prognosis of Periradicular Surgery (1:30 – 2:15 p.m.)



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

*Moderator: Ramzi A. Sarkis, D.M.D.
Brookline, Mass.*

The major objective of periradicular surgery is to obtain periradicular tissue regeneration, including the formation of a new attachment. In several cases, the endodontic lesion has a concomitant marginal periodontal lesion that may complicate the healing success. Guided tissue regeneration (GTR) has been extensively studied as an adjunct in endodontic surgery. This presentation presents a classification system of endodontic and periodontal lesions with respect to the application of the GTR techniques and materials.

At conclusion, participants should be able to:

- Identify the classification system of endodontic and periodontal lesions.
- Identify the different materials and methods utilized in GTR techniques.
- Manage buccal bone dehiscence through lesions and maxillary sinus communications utilizing different GTR materials and techniques.

Immediate vs. Delayed Surgical Implant Placement (2:15 – 3 p.m.)



Khalid A. Al-Hezaimi, B.D.S.
Medford, Mass.



Jafar Naghshbandi, D.D.S., M.S.
Gilbert, Ariz.

Moderator: Ramzi A. Sarkis, D.M.D.
Brookline, Mass.

The promising outcome of immediate dental implants during the past decade is the underlying reason for this presentation. The clinical criteria for patient selection advantages and disadvantages together with clinical steps of placement determine immediate or delayed implants. Surgical protocol, advanced surgical techniques simultaneously with implant placement, and how to achieve esthetic emergence in the anterior zone will be discussed.

At conclusion, participants should be able to:

- Determine the indication of immediate implant placement.
- Describe the surgical protocol and clinical steps of immediate and delayed implant placement.
- Describe the advanced surgical technique simultaneously done with implant placement.

SP-206

Room 113 B

Periodontal Bone Regeneration Techniques in Periapical and Lateroradicular Surgery (1:30 – 2:15 p.m.)



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

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

When nonsurgical retreatment is not possible or has failed, periapical microsurgery may be the last chance to save the diseased tooth. Periapical microsurgery often focuses on resecting the last three millimeters of the root apex, preparing a retrograde cavity and filling this cavity. Less attention has been paid to the shape or size of the

bone defect of the associated lesion. However, the ultimate goal of all endodontic microsurgery is the predictable regeneration of the periapical tissues, including complete repair of the osseous defect. Although the classic investigations led by Rud, Andreasen and Hirsh demonstrated that the shape and size of the bone defect was important with regards to the long-term prognosis, few studies have offered a classification of these bone defects together with the different barrier materials and techniques that can be used to achieve the best treatment outcome.

At conclusion, participants should be able to:

- Distinguish and clearly differentiate which periapical processes have purely endodontic origin and which ones also have periodontal involvement.
- List the advantages and disadvantages of the different graft material, as well as membranes, and in which particular cases they should be used.
- Identify the armamentarium and techniques required for taking autologous bone graft chips.

Tooth or Titanium: Case Selection and Treatment Planning (2:15 – 3 p.m.)



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

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

The advent of implant therapy has given clinicians the option to treat teeth endodontically or extract and place implants. The decision needs to be based upon a successful long-term outcome. Factors that increase or decrease the successful outcome of endodontic treatment or implant reconstruction will be discussed from the perspective of an endodontist that has placed implants for over 13 years.

At conclusion, participants should be able to:

- Identify factors for determining long-term success of endodontic therapy or implant reconstruction.
- List treatment options for increasing the success of endodontic therapy.
- List treatment options for increasing the success of implant reconstruction.

1:30 – 3 p.m. Continued

T-202

Room 107 AB

Revascularization of the Avulsed Tooth and Nonvital Teeth With Apical Periodontitis



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



Leif Tronstad, D.M.D., Ph.D.
Hovik, Norway

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

When the pulp in an immature tooth becomes necrotic due to avulsion or bacterial invasion, any further growth of the root is arrested. In the first part of this session, the necessary steps to significantly increase the chances of revascularization of the pulp in an avulsed tooth, will be presented and discussed. In the second part, a new and novel approach to stimulate revascularization in immature teeth with periapical lesions will be presented.

At conclusion, participants should be able to:

- List prerequisite steps for successful pulpal revascularization of an avulsed tooth.
- Apply this knowledge towards more successful treatment of an avulsed tooth.
- Apply new treatment regimens for immature teeth with necrotic pulp and periapical periodontitis.

3:30 – 5 p.m.

NS-204

Room 114

Is it Worth Retreating?



Claes Reit, D.D.S., Dr.Odont.
Göteborg, Sweden

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

This lecture will take the practitioner through various stages of clinical decision-making when considering treatment possibilities of a root-filled tooth with periapical inflammation. In the context of a retreatment decision, strategy topics like disease concepts, the role of infection, prognosis, technical pitfalls, personal values and moral dilemmas are discussed.

At conclusion, participants should be able to:

- List the principles of rational clinical decision-making.
- Identify important biological, technical and moral factors that influence the choice to retreat or not to retreat.
- Distinguish between moral and other types of values that should influence the decision-making process.

OF-203 Continued

Room 105 AB

Microscope Photography Workshop



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

See page 42 for a complete session synopsis.

PS-201 Continued

Room 103 B

Medical Emergencies Made Simple for the Office Staff

Steven J. Filler, D.D.S., M.S., M.A., Birmingham, Ala.

*Moderators: Michael S. Austin, M.B.A., Tucson, Ariz., and
Lynda Davenport, Brentwood, Tenn.*

See page 43 for a complete session synopsis.

S-203

Room 108 A

Single-Tooth Implants: Surgery and Restoration



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

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

This program will discuss the esthetic parameters of single anterior implants that impact our decision making. Included will be a detailed discussion of which factors determine the healthy interproximal papilla in the natural dentition and how this significantly differs in the implant situation. This will be followed by a review of the different types of periodontal biotypes and how they influence the esthetics of the final restoration. Ridge dimension and sulcular form will also be reviewed and analyzed.

At conclusion, participants should be able to:

- Distinguish between the important features of each biotype.
- Distinguish between the connective tissue attachment and junctional epithelium of a healthy natural tooth and an implant restoration.
- List the criteria that are important for optimal dental esthetics.

SP-207

Room 108 B

The Impact of Dental Implants on Contemporary Endodontics



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

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

This presentation will provide an overview of dental implants and the emerging impact of implant technologies on nonsurgical and surgical endodontics. The audience will be familiarized with the variety of options available today in implant dentistry, and the indications and contraindications for their use will be reviewed. Models for decision-making and treatment planning will be discussed in a case-based approach.

At conclusion, participants should be able to:

- Describe the options available in implant dentistry, as well as the indications, contraindications, complications and risk factors for their use.
- Apply this knowledge toward decision-making and treatment planning in contemporary endodontics.
- Compare and contrast the appropriate use of nonsurgical and surgical endodontics with the options in implant dentistry.

SP-208

Room 111 B

Prognosis of Endodontic Microsurgery: Evidence (3:30 – 4:15 p.m.)



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

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

Endodontic surgery has evolved tremendously in the last decade; today it is a microsurgical procedure. The current armamentarium and materials have not only changed the technical aspect of the treatment, but also the prognosis. This lecture will describe the differences in the microsurgical procedure and endodontic surgery done prior to the micro-instrument era and how these differences have affected the prognosis. The relevant literature will be reviewed to evaluate prognosis of the treatment.

At conclusion, participants should be able to:

- Describe the significant differences between endodontic surgery then and microsurgery now.
- Identify the studies that help in evaluating the prognosis of the procedure.
- Interpret the evidence, and based on the evidence, present the treatment option to their patients during treatment planning.

3:30 – 5 p.m. Continued

SP-208 Continued

Room 111 B

During Periapical Surgery is it Always Necessary to Remove all Pathosis of Endodontic Origin From the Periapical Area? (4:15 – 5 p.m.)



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

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

Periradicular lesions, such as granulomas, abscesses and cysts of endodontic origin are primarily caused by root canal infection. They are of an inflammatory rather than neoplastic nature. Similar to all diseases of infectious origin, the lesions will heal if the irritants are eliminated. The purposes of apical curettage during periapical surgery are for hemorrhagic control, visibility and accessibility to the root apex and, most importantly, for confirmation of the clinical diagnosis by biopsy. The pathosis, including cyst epithelial lining in the periapical area, does not have to be totally removed during periapical surgery if removal would endanger the vital structures, such as the maxillary sinus, and neurovascular bundles at the mental foramen and in the mandibular canal.

At conclusion, participants should be able to:

- Discuss the etiology of endodontic periradicular lesions.
- Describe pathology of endodontic periapical lesions.
- List the similarities in the healing process of periradicular lesions following surgical and nonsurgical endodontic therapies.

SP-209

Room 113 B

Secrets of a Highly Effective and Happy Team (3:30 – 4:15 p.m.)



Albert C. Goerig, D.D.S., M.S.
Olympia, Wash.

*Moderator: Ramzi A. Sarkis, D.M.D.
Brookline, Mass.*

This program will address the office systems and key business elements that help both the endodontist and staff move to the next level in practice profitability and enjoyment. The secrets and systems to help your office move to the next level will be given. Subject areas to be covered will be writing a vision for your office, and how to empower your staff to run the office while increasing profitability and lowering stress.

At conclusion, participants should be able to:

- Identify the leadership skills needed to obtain and empower an incredible team to reduce office stress and work fewer days while increasing profitability.
- Apply techniques to improve office communication, and address and fix office staff unrest.
- Delegate the running of the office to staff.



Clinical Teaching in the Undergraduate Clinic (4:15 – 5 p.m.)



Lorne A. Chapnick, D.D.S.
Toronto, Ontario, Canada

*Moderator: Ramzi A. Sarkis, D.M.D.
Brookline, Mass.*

Current dental teaching programs for full- and part-time undergraduate clinical instructors are lacking; improvement is imperative. The objective of this presentation is to provide guidance to undergraduate clinical instructors with the goal of excellence in teaching. Specific, practical and evidence-based teaching techniques for the undergraduate clinic will be discussed, demonstrated and applied through examples.

At conclusion, participants should be able to:

- Describe how to set the emotional tone in the clinic.
- Facilitate student learning.
- Discuss the importance of being a role model.

T-203

Room 107 AB

Intentional Replantation and Autotransplantation of Teeth



Mitsuhiro Tsukiboshi, D.D.S., Ph.D.
Aichi, Japan

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

Complex treatment plans often include situations where the choices of intentional replantation or autotransplantation have been overlooked. If an endodontically involved tooth, which seems hopeless with conventional orthograde endodontic treatments or surgeries, but has optimal root form, intentional replantation may save it. If there is a good candidate for a donor tooth found in the same mouth, transplantation can be the more appropriate option rather than intentional replantation. Additionally, congenitally missing teeth and badly traumatized teeth are preferable indications for autotransplantation over an implant. The indications, advantages and techniques for success will be discussed in this presentation. The lecture will be extensively illustrated with many clinical cases of intentional replantation and autotransplantation of teeth.

At conclusion, participants should be able to:

- Identify biologic aspects of intentional replantation and autotransplantation of teeth.
- List the techniques for success in intentional replantation and autotransplantation.
- Evaluate expected outcome of intentional replantation and autotransplantation.

New This Year!

Software User Group Meetings

All current users of the following companies' endodontic software programs are invited to attend user group meetings on Friday from 3:30 – 5 p.m.

Discus Dental: Room 103 C

PBS Endo: Room 103 A

TDO: Room 113 C

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8 – 9:30 a.m.

NS-300

Room 114

Rules of Engagement: Mastering the Inner and Outer Games of Endodontics



Pierre Machtou, D.D.S.
Paris, France



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



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

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

It could be said that endodontics is a game. All games have rules, players and outcomes. Performance is influenced by the mental approach and procedural methods utilized during the process, representing start-to-finish endodontics. This presentation will focus on how to improve performance, produce superior outcomes and generate professional fulfillment. The rules of engagement are intended to share over 100 years of our combined experiences practicing, learning and teaching “Schilderian Endodontic Principles.”

At conclusion, participants should be able to:

- Discuss the importance of the access design, the preparation sequence and when to use rotary versus manual files.
- Shape canals and clean root canal systems using the most versatile techniques, technologies and thinking.
- Describe the mystery of “obturation confusion.”

OF-300

Room 103 C

Growing Your Practice Through Effective Use of the Web



C. David Gammel, M.A.
Silver Spring, Md.

*Moderator: Yvette L. Burns, D.D.S., M.S.
Chattanooga, Tenn.*

C. David Gammel, a noted Web strategy expert who has been quoted in the *New York Times*, the *Washington Post* and *Wired* magazine, will discuss how to make your Web site a key component of a successful practice. The session will zero in on identifying your key Web site audiences and how to serve them online in ways that will continually build your business. Cases will be presented from actual endodontic Web sites as part of the session.

At conclusion, participants should be able to:

- Identify key Web site audiences.
- Identify how serving those audiences online can contribute to growing an endodontic practice.
- Implement at least one idea on their Web site immediately.



PM-300

Room 108 B

Risk Analysis of Endodontic Lawsuits and Common Sense Strategies to Prevent Them



Kathleen S. Roman, M.S.
Fort Wayne, Ind.

*Moderator: Brian D. Jafine, D.D.S.
Scarborough, Ontario, Canada*

This presentation is based on a review of over 750 malpractice lawsuits arising out of endodontic procedures. Risk analysis identified commonalities in patient safety and/or satisfaction issues that resulted in litigation. The program examines these common risk issues and focuses on process improvement strategies to help prevent or mitigate them. It is appropriate for any clinically trained member of the endodontic team and for nonclinical practice managers/administrators.

At conclusion, participants should be able to:

- List risk issues that are likely causes of litigation in the endodontic practice.
- Design clinical and business processes that support patient safety and satisfaction, thereby reducing the potential for liability risk.
- Integrate process improvement strategies into every aspect of the practice to increase efficiency, reduce the possibility of error, improve team cohesiveness, and build effective communication throughout the health care continuum.

PS-300

Room 103 B

Success Techniques of Our Practices



Michael S. Austin, M.B.A.
Tucson, Ariz.



Lynda Davenport
Brentwood, Tenn.



Ginny S. Jorgensen
Appleton, Wis.



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



Marci Simpson
West Des Moines, Iowa



Michele M. Whitley
Peabody, Mass.

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

A panel of managers will discuss successful techniques that work for their offices. Specific areas the presenters will cover are employee selection, training and review techniques, integration of new employees, preparing the patient and referral retention, followed by outstanding customer service. Time will be allotted for questions and audience participation.

At conclusion, participants should be able to:

- List successful techniques that make an endodontic practice run smoothly.
- Network with other managers, staff members and endodontists.
- Discuss with their own offices new ideas for practice success.



Designed for the Endodontic Team



Session will not be recorded



Workshop

8 – 9:30 a.m. Continued

S-300

Room 113 A

The Use of Lasers in Endodontic Microsurgery



Thomas von Arx, Dr. Med. Dent., P.D.
Bern, Switzerland



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

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

Endodontic microsurgery has been vastly improved with the use of the surgical operating microscope. Continued advancements in instrumentation and techniques are constantly being evolved to enhance the outcomes of surgical procedures. Recently the laser has been advocated in the use of endodontics and endodontic microsurgery. This lecture will discuss the pros, cons and comparisons of the use of the laser versus conventional microsurgical techniques.

At conclusion, participants should be able to:

- Describe the basic mechanisms of how a laser works.
- Describe the advantages and disadvantages of the use of the laser in endodontic surgery.
- Compare and contrast the use of conventional microsurgical intervention and laser surgical procedures.

S-301

Room 113 B

Implants or Root Canal Treatment: An Evidence-Based Approach



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



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

*Moderator: Gunnar Bergenholz, D.D.S.
Svanesund, Sweden*

The dilemma for many clinicians is when to treat a tooth endodontically or when to extract it and place an implant. This two-part session draws comparisons between endodontics and implant dentistry by presenting evidence-based research on the long-term success and survival of implants and endodontically treated teeth. Guidelines and diagnostic criteria will be discussed when planning initial endodontic treatment, as well as endodontic retreatment, microsurgical endodontics versus extraction and subsequent placement of an implant.

At conclusion, participants should be able to:

- Compare endodontic and implant studies according to success and survival rates.
- Discuss the long-term prognosis of endodontic and implant therapy.
- Make an educated decision whether to endodontically treat a tooth or extract and replace it with an implant.



SP-300

Room 109 AB

Ultrasonic Irrigation—The Energy for Success? (8 – 8:45 a.m.)



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

*Moderator: Scott B. McClanahan, D.D.S., M.S.
Plymouth, Minn.*

Canal debridement is a cornerstone of endodontic treatment. Hand and rotary instrumentation with conventional irrigation is able to shape and prepare canals for filling, but has been shown to leave vital and necrotic debris behind in canals and isthmuses. This presentation will introduce the use of ultrasonic irrigation following cleaning and shaping of the canals as a way of improving debridement of the root canal complex. Research results of this new concept will be presented.

At conclusion, participants should be able to:

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

How to Be Successful at Mandibular Anesthesia (8:45 – 9:30 a.m.)



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

*Moderator: Scott B. McClanahan, D.D.S., M.S.
Plymouth, Minn.*

All endodontists start treatment with the intention of having profound anesthesia. However, many patients experience pain during treatment. This program focuses on the successful management of endodontic pain using local anesthesia. Two important concepts that will be examined are why anesthesia fails in mandibular teeth 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 which local anesthetic solutions work best for pain control in endodontics.
- Develop specific procedures, using intraosseous technologies, for insuring profound anesthesia for patients presenting with irreversible pulpitis.

SP-301

Room 111 AB

The Next Paradigm Shift After Ni-Ti Rotary Instruments (8 – 8:45 a.m.)



Harmeet D. Walia, D.D.S., M.D.S., M.S.
Udhaliyah, Saudi Arabia

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

Instrument behavior in root canals during cleaning and shaping is largely determined by the dentinal walls, which aid in guidance. This results in selective shaping of the canal walls, leaving large areas of the canals untouched by the instrument. Current innovations in Ni-Ti rotary instruments have failed to address this shortcoming; the only viable solution seems to rest on larger preparation sizes. This presentation proposes a new concept in cleaning and shaping of canals by using a guide wire instead of dentinal walls to effectively and uniformly shape all areas of the canal walls.

At conclusion, participants should be able to:

- List the limitations posed by the dentinal walls on the intracanal behavior of Ni-Ti rotary instruments.
- Discuss why problems with canal preparations have persisted in spite of the many innovations to Ni-Ti rotary instrument design.
- Identify the need for nondentinal wall guidance for more effective cleaning and shaping of root canals.

8 – 9:30 a.m. Continued

SP-301 Continued

Room III B

Clinical Introduction of Plastic Endodontic Rotary Files (8:45 – 9:30 a.m.)



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

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

With the advent of nickel-titanium rotary instrumentation in the field of endodontics, conventional endodontic treatment has become more consistent and efficient. One of the major disadvantages of this technology is the increased chance of file separation and cost per file. Plastic rotary endodontic files prepare canals similarly to nickel-titanium, but do not separate and are inexpensive. This lecture will present the advantages and disadvantages to this state-of-the-art file technology.

At conclusion, participants should be able to:

- Describe the technology involved in creating plastic rotary files.
- List the clinical advantages of plastic rotary files over nickel-titanium files that are currently on the market.
- List disadvantages of plastic rotary files as compared to nickel-titanium files that are currently on the market.

T-300

Room 107 AB

Clinical Management of the Avulsed Tooth—Minimizing Resorption Complications



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

*Moderator: Asgeir Sigurdsson, D.D.S., M.S.
Reykjavik, Iceland*

Many practitioners feel that the eventual loss of an avulsed tooth is inevitable. While this might have been true a number of years ago, many clinical advances have been made that make long-term success more probable. Treatment of the avulsed tooth is divided into the emergency visit; short-term follow-up visit (7-14 days) and long-term follow-up. The focus of the emergency visit is to minimize and treat damage to the attachment apparatus. Time of replantation, new transport media, splinting techniques and anti-inflammatory drugs, as well as optimal treatment for the open apex tooth will be discussed. At the short-term follow-up visit (7-14 days) the pulp status is assessed. The ability to predict if the pulp can revascularize, is necrotic (but not infected) or is infected, all result in different treatment protocols. This decision process and the most recent treatment guidelines will be described. Long-term follow-up is essential since reversal of negative outcomes is often possible. Accepted long-term follow-up protocol will be described.

At conclusion, participants should be able to:

- Describe the biological implications of an avulsion injury and the critical factors for successful treatment outcomes.
- Comprehend the latest protocols and treatment guidelines for the emergency visit, short- and long-term follow-up visits.
- Predict the probability of success depending on different clinical circumstances.

10 – 11:30 a.m.

NS-300 Continued

Room 114

Rules of Engagement: Mastering the Inner and Outer Games of Endodontics

Pierre Machtou, D.D.S., Paris, France

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

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

Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc., Saratoga Springs, N.Y.

See page 52 for a complete session synopsis.

NS-301

Room 113 B

Antibiotics in Endodontics: Are They Necessary? An Evidence-Based Review



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

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

The use of antibiotics during the treatment of endodontic pathosis is quite prevalent among dentists and endodontists. This session will discuss the available objective data on the use of antibiotics to manage endodontic patients. Both systemic and local applications will be reviewed. Recent advances in the use of antibiotics and newer medications will be addressed.

At conclusion, participants should be able to:

- Describe the evidence available for and novel trends with respect to the use of antibiotics during endodontic treatment.
- Describe the problems of indiscriminate use of antibiotics.
- Discuss the mechanism of action and effectiveness patterns of commonly prescribed drugs.

OF-301

Room 103 C

Integrating Technology: What Really Works



Joel B. Slingbaum, D.M.D.
Hollywood, Fla.

Moderator: Robert A. Goldberg, D.D.S., Northbrook, Ill.

Advances in technologies are developing quicker than the blink of an eye. This program will offer insight into the digital world and allow the practitioner to see the latest and greatest innovations. Practitioners will see the evolution of technology and its impact on everyday practice. Participants will discover and understand current products on the market today with a look into real world uses of technology.

At conclusion, participants should be able to:

- Describe integrating technology and why it is important.
- List the advantages and disadvantages of integrating technology.
- List current and future technologies and how they will affect the way we practice.

PM-300 Continued

Room 108 B

Risk Analysis of Endodontic Lawsuits and Common Sense Strategies to Prevent Them



Kathleen S. Roman, M.S., Fort Wayne, Ind.

Moderator: Brian D. Jafine, D.D.S., Scarborough, Ontario, Canada

See page 53 for a complete session synopsis.

10 – 11:30 a.m. Continued

PS-300 Continued

Room 103 B

Success Techniques of Our Practices

Michael S. Austin, M.B.A., Tucson, Ariz.

Lynda Davenport, Brentwood, Tenn.

Ginny S. Jorgensen, Appleton, Wis.

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

Marci Simpson, West Des Moines, Iowa

Michele M. Whitley, Peabody, Mass.

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

See page 53 for a complete session synopsis.

S-302

Room 113 A

Mineral Trioxide Aggregate



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



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

*Moderator: Seung-Jong Lee, D.D.S., M.S.
Seoul, South Korea*

Existing filling materials do not possess “ideal” characteristics to seal the pathways of communication between the external surfaces of the teeth and the root canal system. Mineral Trioxide Aggregate (MTA) has been compared in a series of *in vitro* and *in vivo* studies with existing materials. The results of these studies show that MTA can be used for pulp capping, apexogenesis and apexification, root perforations, root-end filling and root canal filling.

At conclusion, participants should be able to:

- Discuss the characteristics of an ideal material to seal the pathways of communication between the external surfaces of the teeth and the root canal system.
- Achieve a deeper understanding of the biologic effects of MTA on osteo- and odontogenic cells in cellular and molecular level.
- Compare and contrast the characteristics of currently used repair materials with those of MTA for pulp capping, pulpotomy and apical plug, repair of root perforations, root-end filling, as well as root canal filling.

SP-302

Room 108 A

Resident and New Practitioner Career Fair



Jessica L. Barr, D.D.S., M.S.
Asheville, N.C.

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 to 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 CV 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.
- Access a 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.

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

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

Jeffrey G. Minchau, D.D.S., M.S.

SP-303

Room 109 AB

Stem Cells, Tissue Engineering and Endodontics (10 – 10:45 a.m.)



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

*Moderator: Jeffrey W. Hutter, D.M.D., M.Ed.
Boston, Mass.*

Stem cells and tissue engineering are currently two areas of highly engaged research in biomedical fields. Embryonic stem cells and particularly those newly discovered multipotent adult stem cells in various tissues and organs hold great potential for tissue and organ regeneration. The *in vitro* and *in vivo* characterization of stem cell growth and differentiation in a variety of scaffold systems incorporated with growth and differentiation factors is the foundation of their future clinical applications. Isolation and characterization of human adult dental pulp stem cells and periodontal ligament stem cells have been reported. Future research directions and the potential use of these stem cells for clinical endodontics are gearing toward pulp, dentin, periodontal ligament and cementum tissue regeneration using current tissue engineering technologies. The prospects of these discoveries and their potential impact on future clinical endodontics will be discussed.

At conclusion, participants should be able to:

- Describe the definition and properties of stem cells.
- Discuss the research progress on pulp and periodontal ligament stem cells.
- Describe the utilization of tissue engineering for dental tissue regeneration.

Exercise, Proper Nutrition and Meditation: The Backbone to a Long, Healthy and Productive Life Within Endodontics and Beyond (10:45 – 11:30 a.m.)



Donald R. Morse, D.D.S., Ph.D.
Cherry Hill, N.J.

*Moderator: Jeffrey W. Hutter, D.M.D., M.Ed.
Boston, Mass.*

American dentists do not live longer than average Americans. Their deaths are primarily related to a premature mortality lifestyle disease—heart attack, stroke, cancer, type II diabetes and Alzheimer's disease. Although genetics is involved, their etiology is primarily environmentally based. Based on scientific reviews and personal background, methods are given to help prevent these major chronic diseases. Highlighted areas will be exercise, proper nutrition and meditation. Also considered will be humor, relationships, vacations, diversions and spirituality.

At conclusion, participants should be able to:

- Develop an exercise program incorporating flexibility, bodybuilding and aerobics that will reduce stress, be enjoyable and help prevent chronic lifestyle diseases.
- Develop a healthy, tasty, stress-reducing and life-extending nutritional program.
- Learn and practice a simple word mantra meditation technique that can be beneficial in reducing anxiety, blood pressure, heart rate, irregular heart rhythms and LDL cholesterol; inducing pleasant and even euphoric feelings; and extending life span.

10 – 11:30 a.m. Continued

SP-304

Room III AB

Quality of Coronal Seal and/or Quality of Canal Filling: What is Important?

(10 – 10:45 a.m.)



Patrick Bogaerts, L.S.D.
Brussels, Belgium

*Moderator: Jeffrey W. Hutter, D.M.D., M.Ed.
Boston, Mass.*

Over the past 10 years, the literature has suggested that coronal leakage is a decisive factor in the prognosis of endodontic treatment, that it is not important and that it might have an influence. The purpose of this presentation is to analyze and discuss the flaws of the scientific literature, especially the material and methods sections, in order to present a better understanding of the importance of the root filling and/or the coronal leakage *in vivo*.

At conclusion, participants should be able to:

- List the shortcomings of some papers frequently referred to in the literature.
- Describe the differences between cross-sectional, longitudinal, retrospective and prospective studies.
- Implement the theoretical concepts into daily practice.

New Concepts and Strategies for Ni-Ti Crown-Down Rotary Instrumentation

(10:45 – 11:30 a.m.)



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

*Moderator: Jeffrey W. Hutter, D.M.D., M.Ed.
Boston, Mass.*

This lecture presents new concepts and strategies to improve Ni-Ti rotary instrumentation. The role of access preparations, the influence of anatomy on files' mechanical stress and the need for a mental image of canals to guide rotary instrumentation are explained to maximize efficiency and minimize iatrogenic errors. Moreover, the advantages of different movements during instrumentation and differences among operative sequences are discussed. All these concepts will be incorporated in a novel multi-step approach to Ni-Ti canal preparation.

At conclusion, participants should be able to:

- Evaluate different anatomic complexities and build a mental image of canals prior to Ni-Ti rotary instrumentation.
- Select operative sequences and instrumentation technique depending on anatomic complexities to be faced.
- Describe the key role of enhanced apical finishing to improve cleaning results.

T-301

Room 107 AB

Treatment of Ankylosed Teeth—Decoronation and GBR



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

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

Replacement resorption and ankylosis are frequently diagnosed following avulsion and severe intrusive luxation. The treatment of ankylosed permanent incisors following dental trauma presents a clinical challenge particularly when it involves a growing child, due to the high risk of infraposition and underdevelopment of the alveolar bone. New approaches for the treatment of ankylosed teeth, including decoronation and bone augmentation for the preservation of the alveolar ridge prior to permanent prosthetic reconstruction, will be thoroughly discussed and illustrated.

At conclusion, participants should be able to:

- Understand the etiology and diagnosis of replacement root resorption.
- Apply current therapeutic guidelines for avulsed teeth.
- Develop a comprehensive approach for the treatment of ankylosed teeth.

1:45 – 3:15 p.m.

NS-302

Room 113 B

The Ideal Rotary File System—Does It Exist?



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

*Moderator: Francisco A. Banchs, D.D.S., D.M.D., M.Sc.
Saratoga Springs, N.Y.*

Endodontic file design may follow various paths aimed at producing instruments that perform better than their predecessors. However, none of the currently available systems can be called “ideal.” Maximizing clinical success, being economically feasible, targeting specific user clientele are only some of the requirements for such an instrument. Handling parameters are also defining the benefits of any instrument. This presentation will compare existing files in order to make a recommendation for a future instrument system.

At conclusion, participants should be able to:

- Describe important aspects of current instrument design in cross sections, cutting-blade geometry and longitudinal geometry.
- List factors that define user-target groups, their socioeconomic background and usage behavior.
- Draw conclusions about their clinical decision-making and the potential of future endodontic file generations.

NS-303

Room 114

An Inside to Treatment Planning—Do We Understand the Language?



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



Gary A. Morris, D.D.S.
Buffalo Grove, Ill.



William C. Murdock, D.D.S.
Chapel Hill, N.C.



Lee R. Walker, M.D., D.D.S.
Los Gatos, Calif.

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

Should a tooth be saved or removed and replaced? As research and clinical experience present new possibilities for treatment, endodontists often find the need to consider other treatment modalities as the most predictably successful treatment plan for a case. This panel of practitioners from different specialties in dentistry will discuss and compare techniques to diagnose and plan treatment for patients with teeth at risk. This is an opportunity for the endodontists attending to see how other dental specialists view these cases.

At conclusion, participants should be able to:

- Describe the process of treatment planning for teeth at risk from the point-of-view of other dental specialists.
- Discuss the clinical situations which require the choice of either a dental implant or endodontic treatment.
- Discuss the success and failure rates of all treatment methods.

1:45 – 3:15 p.m. Continued

OF-302

Room 103 C

Establishing the High-Tech Practice



Thomas R. Dunavant, D.D.S., M.S.
Waco, Texas



William R. Watson Jr., D.D.S., M.S.
Wichita, Kansas



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

*Moderator: Roger R. Lacoste, D.M.D.
New Bedford, Mass.*

This panel discussion will bring to light some of the variables that an office must consider when establishing a high-tech practice. The personal experiences of each endodontist will be pulled in to give participants an idea of where to start the process of integrating technology into the office, whether starting an office from scratch or revamping an established practice.

At conclusion, participants should be able to:

- List various technologies they may want to consider integrating into their office.
- Describe how to best integrate these technologies into the office to maximize ease of operator use and patient benefit.
- Summarize a strategic time frame and game plan for introducing these technologies in as smooth a transition as possible.

PM-301

Room 108 B

Transforming Affluence Into Wealth



Kenneth C. Thomalla, C.P.A., C.L.U., C.F.P.
New Castle, Pa.



Jeffrey E. Wherry, C.F.P., C.L.U., Ch.F.C.
Pittsburgh, Pa.

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

Endodontists generate high annual earned income; the challenge is transforming this income into tangible, sustainable assets. Thus, the endodontist needs to develop strategies to accumulate and protect these assets into his/her retirement years. This session will provide guidance on financial planning, insurance, investments and estate planning strategies.

At conclusion, participants should be able to:

- Analyze their current financial plan and identify weaknesses, and create strategies to provide a sustainable retirement income.
- Employ strategies to reduce unnecessary taxes and protect assets from other risks.
- Construct a risk-controlled investment portfolio to weather various market cycles.

PS-301

103 B

Creating a “Paycheck” for Retirement



Bradford Bolletino
Philadelphia, Pa.



Bruce Crepea
Florham Park, N.J.



Stephen C. Randel, C.F.A.
Minneapolis, Minn.

Moderators: Marci Simpson, West Des Moines, Iowa, and Michele M. Whitley, Peabody, Mass.

Representatives from RBC Dain Rauscher will present various retirement strategies and plans appropriate for doctors and their staff. The presenters will also focus on “creating a paycheck” post retirement and different ways to maximize your retirement funds. The principles presented will apply to individuals from all income levels, addressing the concerns and needs of both staff and dentists. Issues of longevity and inflation risk will be covered. There will be a review of retirement specific investments, such as equities, bonds and insurance. A question-and-answer session will be provided at the conclusion of the program.

At conclusion, participants should be able to:

- Apply the topics discussed to improve or implement a retirement plan for their practice.
- Describe the retirement options available and implement the “Creating a Paycheck Strategy.”
- Discuss the role of using equities in helping you reach your retirement goals.

SP-305

Room 108 A

ABE Boardwalk



Keith V. Krell, D.D.S., M.S., M.A.,
President, American Board of Endodontics
Iowa City, Iowa

The Directors of the American Board of Endodontics will discuss the process required for Board Certification. Sequencing of the Certification Process will be outlined. Each phase of the examination process, Written Examination, Case History Portfolio (appropriate diagnostic terms will be highlighted) and Oral Examination will be discussed and suggestions provided for preparation and successful completion of each portion of the certification process. The program is designed to provide interested individuals with the opportunity to interact with the Directors and to clarify concerns regarding the Certification Process.

At conclusion, participants should be able to:

- Describe the certification requirements, including applications, examinations and policies, and the importance 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

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

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

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

Paul A. Rosenberg, D.D.S.

William G. Schindler, D.D.S., M.S.

Christopher S. Wenckus, D.D.S.



1:45 – 3:15 p.m. Continued

SP-306

Room 109 AB

Endogastritis: Causes and Cures

(1:45 – 2:30 p.m.)



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

*Moderator: Carl L. Tinkleman, D.M.D.
Philadelphia, Pa.*

Endogastritis has been defined as a pain in the abdomen—particularly the mucous membrane lining of the stomach—caused by untoward incidents that occur during or are discovered following root canal therapy. Such symptoms may arise upon recognizing a post perforation; realizing your file is 3 mm short; locating a fractured root requiring extraction; or finding a fractured post in the root. The treatment for endogastritis is prevention of the underlying problem. When you are faced with the predicament, the best approach is a period of contemplation followed by a coordinated treatment plan to correct it. The presentation will focus on preventing and treating these stress-causing situations.

At conclusion, participants should be able to:

- Minimize endogastritis in practice and define a universal approach to post and fractured post removal.
- Determine a treatment plan for repairing post perforations.
- Describe the indications for using various fillings and barriers in repairing post perforations.

Osteonecrosis and Ultrasonic Energy

(2:30 – 3:15 p.m.)



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

*Moderator: Carl L. Tinkleman, D.M.D.
Philadelphia, Pa.*

The use of ultrasonic vibratory energy has evolved as a highly efficient method for removal of obstructions and cements within the root canal space when retreatment or rehabilitation of that space is planned. There is limited evidence in published research for the considerable heat transfer that occurs during ultrasonic vibratory motion of

devices for removal of posts, pastes and separated instruments in teeth. An alarming number of cases will be presented in which individuals have suffered serious burn injuries and resulting osteonecrosis during application of ultrasonic energy for restorative dentistry. The standards for safety as it relates to these devices will be discussed, and the best available evidence to-date for recommended protocols to provide safe therapy will be offered.

At conclusion, participants should be able to:

- Describe the use of heat modalities in endodontics and their potential for injury.
- Identify safe protocols for avoiding intraradicular heat transfer to metallic obstructions in the root canal space.
- Discuss prognosis and current surgical methods for repairing burn injuries.

SP-307

Room 111 AB

Anatomy is Destiny (1:45 – 2:30 p.m.)



Sasidhar Nallapati, B.D.S.
Ocho Rios, Jamaica

*Moderator: William D. Powell, D.D.S., M.S.
Knoxville, Tenn.*

It is a well-established fact that root canal anatomy is complex and many endodontic failures are often attributed to missed anatomy in the initial treatment. This presentation discusses the importance of root canal anatomy, configuration of canal systems and a literature review of the incidence and percentages of aberrant anatomy. With the help of clinical cases and high-quality digital images, this presentation highlights the various current clinical techniques in use to find and treat this aberrant anatomy.

At conclusion, participants should be able to:

- Discuss the incidence of aberrant root canal anatomy.
- Describe the clinical and radiographic signs indicating aberrant anatomy.
- Apply current clinical techniques to treat this anatomy.

Access Preparation as Key to Success

(2:30 – 3:15 p.m.)



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

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

Access preparation is one of the most crucial steps to performing successful endodontic treatment. This presentation describes how the use of the operating microscope enables the clinician to closely follow the internal anatomy of a tooth and locate the complete number of canals even in the presence of very complex or calcified anatomies. Statistical data suggests that a greater number of canals are now located as a result of a better visualization.

At conclusion, participants should be able to:

- Identify the most significant anatomical landmarks on the pulp chamber floor important to locate usual and unusual canal orifices.
- Select the proper armamentarium when working under high magnification.
- Describe techniques to manage severely calcified pulp chambers.

SP-308

Ballroom C-D/PM

Wine Tasting: The Oakville Appellation



Frank Casanova, D.D.S., M.S.D.
Fairfield, Calif.

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

Workshop Fee: \$50 early/\$100 standard

If you thought that all cabernet sauvignons coming from the Napa Valley were the same, think again! Within the small geographic bands stretching across the valley there are distinct geologic characteristics. Can there be enough soil and weather variations to cause major changes in the wine? Which part of the valley do you prefer? Through this lecture, visuals and tastings, participants will explore the Oakville wine appellation. Oakville and its brother to the north, Rutherford, are widely accepted as being the heart of the fabled opulent cabernet production zone in

Napa Valley. How does the Oakville viticultural area differ across the valley? Can you taste the soil, weather and terrain that together comprise the *Terroir*? Join us as we drink and dissect the Oakville appellation, looking for clues as to what makes the Napa Valley such a world-class wine producing region.

T-302

Room 107 AB

Emergency Treatment of Soft and Hard Tissue Injuries in the Oral Region



Lars Andersson, D.D.S., Ph.D., Dr.Odont.
Safat, Kuwait

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

Simultaneous injuries to different oral tissues are commonly seen in patients presenting with oral trauma. In many cases, the dentist is the primary contact immediately after trauma. For this reason it is important for the dentist to have knowledge not only of dental injuries but also of diagnosis and principles of treatment of bone and soft tissue injuries. This lecture will give an overview of diagnosis and treatment of oral soft and hard tissue injuries.

At conclusion, participants should be able to:

- Assess other injuries than dental, such as oral soft and bone injuries, in the emergency phase.
- Describe the important principles of emergency management of bone and soft tissue injuries in the oral region.
- Describe the relationship of different oral injuries to nonoral injuries.



Designed for the Endodontic Team



Session will not be recorded



Workshop

3:30 – 5 p.m.

NS-303 Continued

Room 114

An Inside to Treatment Planning—Do We Understand the Language?

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

Gary A. Morris, D.D.S., Buffalo Grove, Ill.

William C. Murdock, D.D.S., Chapel Hill, N.C.

Lee R. Walker, M.D., D.D.S., Los Gatos, Calif.

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

See page 61 for a complete session synopsis.

SP-308 Continued

Ballroom C-D/PM

Wine Tasting: The Oakville Appellation



Frank Casanova, D.D.S., M.S.D., Fairfield, Calif.

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

See page 65 for a complete session synopsis.

SP-309

Room 108 A

Educator Forum: New Pedagogies in Endodontic Education



William D. Hendricson, M.A., M.S., Ed.D.

San Antonio, Texas

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

Iowa City, Iowa

This session will address two topics—strategies for helping dental students develop expert thinking skills, subtitled “Are You Teaching With Your Students’ Brains in Mind?” with emphasis on today’s Generation Y learner; and strategies for avoiding false-positive and false-negative assessments of student competence.

At conclusion, participants should be able to:

- Describe learning experiences that enhance the acquisition of expertise.
- Describe the concepts of false-positive and false-negative as they apply to evaluation of student competence.
- Describe best practices for evaluating performance in health professional education and assess the extent to which these techniques are used by their department.



SP-310

Room 109 AB

Modern Endodontics: A Case Portfolio, Techniques and Materials (3:30 – 4:15 p.m.)



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



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

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

For the past decade, endodontists have been using everything from microscopes and ultrasonics to rotary files and microsurgical techniques. Now is a chance to look back at some interesting cases that were treated using these modern endodontic methods. The case portfolio presented during the session will not only examine the methods and materials that were used, but the outcomes that were achieved.

At conclusion, participants should be able to:

- Describe a variety of endodontic materials and techniques used by today's endodontist.
- Assess the long-term outcomes of these materials and methods.
- Discuss unusual clinical cases with successful outcomes.

The Case of the *Enterococcus* (4:15 – 5 p.m.)



Matthias Zehnder, D.M.D.
Zurich, Switzerland

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

Research articles on *enterococci*, especially *E. faecalis* strains, are ubiquitous in endodontic literature. Few studies, however, have addressed the question as to how these microorganisms enter the root canal system. Are they primary invaders or contaminants? This presentation will give an overview on the current knowledge regarding *enterococci* in endodontics. In addition, recent investigations by the presenter addressing the tentative origin of *enterococci* found in instrumented and/or filled root canals will be discussed.

At conclusion, participants should be able to:

- Describe the concept of primary versus secondary root canal infections.
- List the sources of *enterococci* found in root canals.
- Assess methods to prevent a secondary root canal infection.

T-303

Room 107 AB

Treatment Planning in Dental Trauma



Lars Andersson, D.D.S., Ph.D., Dr.Odont.
Safat, Kuwait



Jens O. Andreasen, D.D.S.
Birkeroed, Denmark



Mitsuhiro Tsukiboshi, D.D.S., Ph.D.
Aichi, Japan

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

Successful treatment of dental trauma requires a multidisciplinary approach. Many times the endodontist is the first to be contacted after a traumatic injury and therefore must be informed of emergency protocols, understand treatment sequencing and know what role endodontic treatment can play for a long-term successful outcome. After the treatment planning is completed and tabulated for the audience, a panel of experts will discuss and debate each case.

At conclusion, participants should be able to:

- Discuss the biology of different traumatic injuries.
- Choose an effective treatment plan for each presented injury.
- Describe the reasoning behind the treatment protocols chosen by the panel of experts.

This presentation will incorporate the use of an Audience Response System.

Exhibit Hall Schedule

Thursday, April 26 10 a.m. – 6 p.m.
Friday, April 27 8 a.m. – 5 p.m.
Saturday, April 28 8 a.m. – 1:30 p.m.

The AAE exhibit hall offers a plethora of options for your clinical and business needs. The balanced combination of exhibits allows you to peruse the latest in surgical products and procedures, and presents numerous services and technologies that will help you gain a competitive edge. Talk to representatives from major dental and medical suppliers, and take advantage of the many product discounts and special offers that are only available at the 2007 Annual Session!

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



Acteon North America (Satelec)
 410/636-8801
www.acteongroup.com

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

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

Axis Dental (Soft-Core Endodontics)
 469/635-6101
www.axisdental.com

Benco Dental Company
 570/825-7781
www.Benco.com

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

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

Brown & Herbranson Imaging
 650/230-0200
www.toothatlas.com

Cain, Watters & Associates, P.C.
 972/233-3323
www.cainwatters.com

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

Consult-Pro
 416/429-6545
www.consult-pro.com

Dental Spa Organics
 661/259-0515
www.dentalspaorganics.com

Dentsply International
 800/877-0020
www.dentsply.com

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

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

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

Designs for Vision, Inc.
 631/585-3300
www.designsforvision.com

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

Discus Dental Software
 410/636-8801
www.discusdentalsoftware.com

DMI Dental, Inc.
 727/784-7741

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

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

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

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

Global Surgical Corp.
 619/449-9543
www.globalsurgical.com

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

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

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

Heraeus Kulzer, Inc.
 914/219-9304
www.heraeus-kulzer-us.com

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

Isolate Dental, Inc.
 902/429-2257
www.endo-tech.com

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

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

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

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

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

Kodak Dental Systems
770/226-3350
www.kodak.com/dental

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

Lightspeed Endodontics
410/636-8801
www.lightspeedusa.com

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

Mani, Inc.
81/286753311
www.mani.co.jp

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

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

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

Miltex, Inc.
717/840-3478
www.miltex.com

Misch International Implant Institute
248/642-3199
www.misch.com

Mustang Company
727/856-6753

Newark Dental/Pemco
800/526-4170
www.newarkdental-pemco.com

Nobel Biocare
714/282-4857
www.nobelbiocare.com

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

Orascoptic-Kerr
608/828-5225
www.orascoptic.com

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

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

PaloDEx Group
414/747-6355
www.instrumentariumdental.com/usa

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

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

Pentron Clinical Technologies
800/551-0283
www.pentron.com

Plastic Endo, L.L.C.
866/752-3636
www.plasticendo.com

Practice Builders
800/679-1200
www.practicebuilders.com

PNC Bank
610/892-2662
www.pnc.com

Quality Aspirators/Q Optics
972/298-2669
www.qualityaspirators.com

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

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

Salvin Dental Specialties, Inc.
704/442-5400
www.salvin.com

Schick Technologies
410/636-8801
www.schichtech.com

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

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

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

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

SS White Burs, Inc.
732/905-1100
www.sswwhiteburs.com

Sullivan-Schein Dental
414/290-2535
www.sullivanschein.com

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

SybronEndo
410/636-8801
www.sybronendo.com

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

TeleVox Software, Inc.
251/706-3777
www.televox.com

The Digital Office/eie2.com
858/558-3636
www.tdo4endo.com

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

Ultradent Products, Inc.
801/553-4266
www.ultradent.com

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

W. Paul Radman & Associates
972/386-7227
www.pradmanendo.com

W&H Dentalwerk
436/274-6236
www.wh.com

Willamette Dental Group
503/526-4417
www.willamettedental.com

Carl Zeiss Surgical
925/557-4121
www.zeiss.com

Special Events

Location Key: PCC = Pennsylvania Convention Center, PM = Philadelphia Marriott

Wednesday

International Reception (by invitation)

5:30 – 6:30 p.m. *Liberty Ballroom/PM*

Hosted by the AAE's International Relations Committee, all international attendees are invited to attend this gathering prior to the Welcome Reception.

Welcome Reception

6:30 – 8 p.m. *Grand Hall/PCC*

Join your new and old friends for this welcoming celebration in the "City of Brotherly Love." The patriotic evening will take place in the convention center's Grand Hall. Occupying the historical Reading Terminal Train Shed, which is the country's oldest surviving single-span arched roof structure, this is the perfect setting to kick off this year's Annual Session. Back by popular demand, the AAE Alliance will conduct a Sports Silent Auction in conjunction with this event.

In keeping with the theme, red, white and blue attire is encouraged.

Thursday

Opening Session Breakfast

8 – 10 a.m. *Ballroom/PCC*



John S. Olmsted, D.D.S., M.S.

Be a part of the opening festivities for the 2007 Annual Session during this breakfast event! Dr. John S. Olmsted, 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 continued

Louis I. Grossman Memorial Luncheon

Noon – 1:30 p.m. *Liberty Ballroom/PM*

Sponsored by the College of Diplomates, this year's luncheon program will acknowledge endodontists who achieved Board certification during 2006. Family members, ABE directors, the AAE Executive Committee and other Diplomates will gather to share this moment of recognition.

2006-2007 College of Diplomates Leadership:

Fredric Goodman, D.D.S., President

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

Harold E. Goodis, D.D.S., Secretary

Joseph S. Dovgan, D.D.S., M.S., Treasurer

Stephen J. Clark, D.M.D., Director

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

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

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

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

Susan Hawkinson, Administrative Secretary

Professor Louis Grossman—The Ultimate Professional Role Model



D. Walter Cohen, D.D.S.

The keynote presentation will expound on the life of Dr. Louis I. Grossman, the "father of modern endodontics." Of special interest will be a focus on how Dr. Grossman raised the bar for ethical practice by his dental colleagues, and his overall devotion to his profession, family and school.

Resident Reception (by invitation)

7:30 – 9:30 p.m. *Lucky Strike Lanes
1336 Chestnut St. (between
Juniper and Broad Streets)*

This annual event is designed exclusively for the endodontic resident. Don't miss an evening of networking, food and drink at one of Philadelphia's newest, funky entertainment venues. Your name badge is required for admittance.

Sponsored by Treloar and Heisel, Inc.

Friday

Fun Run

6 a.m. *Departs from the 12th Street Entrance/PM*

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

General Assembly Luncheon

11:30 a.m. – 1:30 p.m. *Ballroom/PCC*

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.

President's Dinner *

7 p.m. – Reception

Ballroom Foyer/PCC

8 p.m. – Dinner

Ballroom/PCC

\$35 per person includes dinner, wine service and entertainment



Comedian **Bill Engvall** will share humorous tales of everyday situations in an entertaining presentation at this year's dinner. This event, which has traditionally featured a dinner dance format, is being recast for a more casual evening of fine dining and entertainment, and is one of the highlights of this year's meeting.

Engvall most recently starred with Jeff Foxworthy and Larry the Cable Guy in the sketch comedy show, *Blue Collar TV*. The show developed as a result of their popular Blue Collar Comedy Tour, which has been recorded and released on three different DVDs and various soundtracks. The latest edition, *Blue Collar Comedy Tour, One for the Road*, was shot in March 2006 and has been a recurring program on Comedy Central. Engvall's other television roles include parts on *Designing Women*, *Delta* and *The Jeff Foxworthy Show*. Visit www.billengvall.com for more information.

Dress for the evening is casual with a black-and-white theme, so leave your tuxes and formal wear at home. Ticket purchase is required for all attendees—see below for more information.

*Entertainment sponsored in part by
Dentsply Tulsa Dental Specialties*

* New This Year!

The President's Dinner is now a ticketed event for all attendees in order to ensure appropriate seating. 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 April 13, 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.



Special Events

Saturday

Edgar D. Coolidge Luncheon

11:30 a.m. – 1:30 p.m.

Ballroom/PCC

Plan now to be a part of the ceremonies to acknowledge the recipients of AAE's highest honors. Two new awards will debut at this meeting recognizing two members for the Lifetime and New Practitioner Volunteer Spirit of Service. 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

Celebrate Philadelphia!

9 p.m. – midnight

Grand Ballroom/PM

For your evening's festivities, look no further than AAE's Phenomenal Philly Funk Club! Enjoy libations of your choice, mingle with colleagues and friends, and dance to the sounds of one of Philadelphia's hottest party bands. Experience Philadelphia's vibrant nightlife without having to leave the hotel!

Sponsored by Dentsply Tulsa Dental Specialties

Edgar D. Coolidge Award



Stephen F. Schwartz, D.D.S.

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

Louis I. Grossman Award



Kenneth M. Hargreaves, D.D.S., Ph.D.

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

I.B. Bender Lifetime Educator Award



Nijole A. Remeikis, D.D.S.

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

Edward M. Osetek Educator Award



Jarshen Lin, D.D.S.

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

AD

Alumni and Affiliate Functions

The events are listed as of press time. All functions will take place at the Philadelphia Marriott unless otherwise noted.

Wednesday

Army Association of Endodontists	Reception: 5:15 – 6:15 p.m. Room 306
Baylor University	Reception: 8:30 – 11:30 p.m. Independence I & II
University of Detroit Mercy	Reception: 8:30 p.m. Off-site
University of Minnesota	Reception: 5:30 – 6:30 p.m. Room 305
Virginia Commonwealth University/Medical College of Virginia	Reception: 8 – 10 p.m. Room 307

Thursday

Albert Einstein Endodontic Alumni Society	Reception: 6:30 – 8 p.m. Room 310
Boston University	Reception: 6 – 8 p.m. Liberty C
Case Western Reserve University	Reception: 5:30 – 7:30 p.m. Room 302
Columbia University	Reception: 6 – 9 p.m. Room 406
Harvard University	Dinner: 6:30 p.m. Off-site
Loma Linda University	Reception: 6 – 8 p.m. Room 404
Marquette University	Reception: 6 – 7 p.m. Room 309
Michigan Association of Endodontists	Reception: 6:30 – 8:30 p.m. Salon I & J
New York University	Reception: 6 – 8:30 p.m. Independence III
Nova Southeastern University	Reception: 8:30 – 10 p.m. Salon B
Ohio State University	Dinner: 6 p.m. Off-site
Oregon Health & Science University	Reception: 6:30 – 8 p.m. Room 405
St. Louis University	Reception: 6 – 8 p.m. Off-site
Temple University	Reception: 6 – 8 p.m. Room 303

Thursday continued

Tufts University	Reception: 6 – 8 p.m. Room 410
University of California at Los Angeles	Reception: 6 – 8 p.m. Salon A
University of Florida	Reception: 6 – 8 p.m. Room 308
University of Illinois	Dinner: 6 – 9 p.m. Off-site
University of Iowa	Reception: 6 – 8 p.m. Independence II
University of Louisville	Reception: 6 – 8 p.m. Room 411
University of Maryland	Reception: 6:30 – 8 p.m. Room 409
University of North Carolina/Tarheel Endodontic Association	Meeting: 5 – 6 p.m. Reception: 6 – 7:30 p.m. Liberty A
University of Pennsylvania	Reception and Dinner: 6:30 p.m. Off-site
University of Pittsburgh	Reception: 6 – 8 p.m. Room 412
University of Southern California	Reception: 7 – 9 p.m. Salon D
University of Texas at San Antonio	Reception: 6 – 8 p.m. Independence I
University of Texas Dental Branch at Houston	Reception: 6 – 7:30 p.m. Room 301
University of Toronto	Dinner: 7 p.m. Off-site
University of Washington	Reception: 6 – 8 p.m. Room 305
U.S. Navy Association of Endodontists	Reception: 5:30 – 8:30 p.m. Liberty B
V.A. Long Beach Endodontic Alumni	Reception: 6 – 8 p.m. Room 401

Saturday

Boston University	Breakfast Meeting: 7 – 8 a.m. Independence I
U.S. Air Force Association of Endodontists	Breakfast Meeting: 6:30 – 8 a.m. Room 401
U.S. Navy Association of Endodontists	Breakfast Meeting: 7 – 9:30 a.m. Room 407/408

Other Functions

Wednesday

College of Diplomates Board of Directors	Meeting: 4:30 – 6:30 p.m. Conference Suite I
Endo Standards Group	Meeting: 1:30 – 5 p.m. Room 301
International Federation of Endodontic Associations	Meeting: 3:30 – 5 p.m. Room 303

Thursday

African-American Endodontic Group	Reception: 8:30 – 10 p.m. Room 403
French Society of Endodontists	Reception: 7:30 – 9 p.m. Salon C
Harry J. Healey Endodontic Study Club	Reception: 6:30 – 10 p.m. Room 304
International Federation of Endodontic Associations	Reception: 6:30 – 8:30 p.m. Salon K & L

Friday

New This Year!

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 Pennsylvania Convention Center.

Discus Dental: Room 103 C

PBS Endo: Room 103 A

TDO: Room 113 C

Saturday

Endodontic Section of Triple O Editorial Board	Breakfast Meeting: 7 – 8:30 a.m. Room 301
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Half Vista

AAE Alliance Activities

Dear Alliance Members,

As President of the AAAE, I welcome all Alliance members to participate in this year's activities. Back by popular demand, the Alliance will sponsor a silent auction held in conjunction with the Welcome Reception. This year's auction will focus on sports items with proceeds supporting the AAE Foundation. Volunteers are always needed the day of the event!

In addition, we are very excited to have Val Rossman as our featured speaker during Thursday's annual luncheon meeting. Equally exciting is the opportunity to extend the program by visiting the Barnes Foundation Museum. This is a must-see stop in Philadelphia for both the novice and experienced art enthusiasts.

Please stop by our desk located in the AAE Registration and Information area for additional information about all that is in store for members of the AAE's endodontic spouse organization. I look forward to seeing you soon!

Sincerely,



Janette P. Sonnenberg

Janette Sonnenberg
AAE Alliance President

AAE Alliance Activities

Wednesday

AAAE Silent Auction

6:30 – 8 p.m.

Grand Hall/PCC

To volunteer, please contact Rebecca Funderburk at ppapoose@aol.com.

Thursday

Board of Directors Meeting

7 – 9 a.m.

Suite*

Hospitality Suite

10 a.m. – noon

Suite*

Stop by for refreshments, a chance to visit, and to also help us quilt a few stitches on two baby quilts that will be donated to the Philadelphia Children's Hospital.

*Suite number to be posted at the elevator in the Philadelphia Marriott

Friday

General Membership Meeting and Luncheon

11 a.m. – 1 p.m.

Liberty Ballroom A/PM



The AAAE is celebrating its 50th anniversary at this annual event. The program will feature Val Rossman, a local renowned artist, who will speak on "Art Appreciation in 30 Minutes!" Val's work can be seen during the Annual Session at the Rosenfeld Gallery, 113 Arch St., www.therosenfeldgallery.com. For a sneak preview, visit Val's Web site at www.valrossman.com.

This ticketed event is open to all registered Alliance Members (spouses of endodontists) at no additional charge. Tickets will be available at the Alliance desk located in the AAE Registration and Information area during published registration hours. For questions regarding membership, please contact Janette Sonnenberg via e-mail at sonnenberg2@comcast.net, or by calling 801/272-2232.

Friday continued

Barnes Foundation Art Museum Tour

1:15 – 4:30 p.m.

This world-famous art museum features one of the finest collections of masterpieces by Cezanne, Renoir, Picasso, Monet, Van Gogh and others. The paintings are never loaned out, thus providing visitors an once-in-a-lifetime opportunity to view these masterpieces while in historic Philadelphia.

Fee: \$40 (includes museum entrance and transportation)

Transportation will depart immediately following the luncheon from the Marriott's 12th Street entrance. Tickets are limited and advance registration is required. Please send a check (payable to the AAE Alliance) to:

Janette Sonnenberg
3851 Viewcrest Drive
Salt Lake City, UT 84124

AAE Alliance Officers

President

Janette Sonnenberg (Brent)

President-Elect

Carol Cooke (H. Groves)

Secretary

Wendy Zent (Dennis)

Treasurer

Becky Richards (Robert)

Historian

Kerstin Conn (Douglas)

Member-at-Large

Linda Powell (William)

Immediate Past President/Newsletter Editor

Jocelyn Lance (James)

Membership Chair

Karen Byron (Mark)

Hospitality

Caryn Azar (Alan)

Local Arrangements Chair

Susan Scanlon (Bruce Terry)

Fundraising Chair

Rebecca Funderburk (David)

AAE Board Liaison

Clara Spatafore, D.D.S., M.S. (Philip Bartling)

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 and purchase all of the AAE's products and publications, 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, *Endodontists: the root canal specialists*, the American Board of Endodontics, the AAE Foundation, the College of Diplomates and also a sneak peek at the 2008 Annual Session in Vancouver.

Be sure to enter the annual Oasis drawing—you may be the lucky winner of a valuable prize, including complimentary registration for the 2008 Annual Session!

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.

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 83); therefore, please wear your name badge to all functions. Tickets are only required for events not included in your package.

Call for Presentations 2008

All AAE members are welcome to submit a presentation for the 2008 Annual Session in Vancouver. 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, beginning January 2007. 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 can contact the concierge, at 215/625-2900, at the Philadelphia Marriott for additional information.

Continuing Education Credits/Units

Up to 24 hours of continuing education units can be attained through a combination of educational sessions, hands-on workshops and the Pre-Session Symposium.

An attendance verification number will be announced at the end of each session. In order to receive CE credit, the number should be recorded on the session evaluation form. A CE Verification Letter will be provided to attendees after the meeting. 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.



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 Bridge Area.

Sponsored by Discus Dental Endodontics

Lost and Found

Pennsylvania Convention Center: Call ext. 4911 from any house phone.

Philadelphia Marriott: Call ext. 51 from any house phone.

Medical Assistance

Pennsylvania Convention Center: Call ext. 4911 from any house phone. An emergency medical technician will be stationed during published meeting hours. The first aid room is located in the rear of Exhibit Hall C.

Philadelphia Marriott: Call ext. 51 from any house phone. Loss Prevention Officers, who are also trained in First Aid, CPR and use of oxygen are available 24 hours a day/7 days a week.

Hospitals within close proximity to the Philadelphia Marriott include:

Thomas Jefferson University Hospital
11th and Walnut Streets
215/955-6460

Hahnemann University Hospital
Broad and Vine Streets
215/762-7648

An emergency technician will be stationed at major events.

No Smoking Policy

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

Philadelphia Information

For more information on Philadelphia and its many historical sites, visit www.PhiladelphiaUSA.travel/aae, a Web site especially created for AAE Annual Session attendees.

Reading Terminal Market

Adjacent to the Pennsylvania Convention Center and Philadelphia Marriott is the Reading Terminal Market, Philadelphia's historic farmers market. An exhilarating selection of baked goods, meats, poultry, seafood, produce, flowers, ethnic foods, cookware and eclectic restaurants are peppered throughout the Market. For more information and hours of operation, visit <http://readingterminalmarket.org/about.php>.

Restaurant Suggestions

A list of "local favorites" recommended by your Philadelphia colleagues will be made available on the AAE Web site in early 2007. Watch your e-mail for the latest meeting updates. In addition, the Philadelphia Convention and Visitors Bureau will staff a concierge desk at the Pennsylvania Convention Center to assist you with your dining needs. Also, the Philadelphia Marriott's concierge can assist you with restaurant recommendations and reservations prior to and during the meeting.

Session Handouts

Session handouts will be available via the Members Only section of the AAE Web site one week in advance of the meeting and will also be distributed onsite at the corresponding session.

Session Recordings

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

Speaker-Ready Room

Presenters may preview their presentations or obtain assistance in Room 102A at the Pennsylvania Convention Center during the following hours:

Tuesday, April 24: 3 – 7 p.m.

Wednesday, April 25: 7 a.m. – 5 p.m.

Thursday, April 26: 8 a.m. – 6 p.m.

Friday, April 27: 7 a.m. – 5 p.m.

Saturday, April 28: 7 a.m. – 5 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, 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 71 for details) the Pre-Session Symposium (page 16), all hands-on workshops (page 15) and the Louis I. Grossman Memorial Luncheon (page 70).

What to Wear

Business-appropriate attire is encouraged for all educational sessions and the majority of social activities. Both the Welcome Reception and President's Dinner offer an opportunity to get into the spirit of the event. Red, white and blue is the theme of Wednesday's Welcome Reception, while black and white attire will set off the President's Dinner. Neither occasion is a formal event.

Housing and Transportation

Housing

The AAE has reserved a block of guestrooms at the headquarters hotel, the Philadelphia Marriott, which is next door to the Pennsylvania Convention Center.

Rates

The following group rates will be offered to Annual Session attendees until March 31, 2007, or until the room block is filled. After this time, rates and reservations will be subject to availability. Suites are based on availability at the time of reservation. Rates are quoted per room, per night, and are subject to 14 percent tax per night. Listed suite rates include one bedroom; additional bedrooms, if available, are subject to the standard group room rate.

Standard Room: \$218

Suites (phone only)

Marquis Suite: \$425

Two-Bay Luxury Suite: \$743

Two-Bay Hospitality Suite: \$743

Three-Bay Hospitality Suite: \$843

Reservation Procedure

Housing is being coordinated by the Passkey group reservation system. The Philadelphia Marriott will not accept reservations for this meeting.

To make your reservation, go to the AAE Web site, 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 do not have access to the Internet, you may call 800/266-9432.

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# 560FQ**.

Airport Transportation

Taxi fare from the Philadelphia airport to downtown Philadelphia is a \$20 flat fee, exclusive of gratuity. Shuttle service is provided by Lady Liberty for \$8 and can be arranged upon arrival at the ground transportation counter located in baggage claim. The city's public transportation train (SEPTA) conveniently operates between the Philadelphia International Airport and the Market East Station, located at the convention center and the Marriott. In addition, CAR ONE (800/787-2271) offers sedan and limousine service in the greater Philadelphia area.

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

United States: 800/654-2200

Canada: 800/263-0600

CDP#: 48141

PC#: 957644

Parking

Valet parking is available for \$35 per day at the Philadelphia Marriott. There are also numerous parking garages in the vicinity of the convention center.

Nobel Biocare

Registration Information

Methods of Registration

Please choose one of the following methods to register for the 2007 Annual Session.



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

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



By Fax

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



By Mail

Send your completed Registration Form with payment to:

American Association of Endodontists
Attn: Annual Session Registration
211 E. Chicago Ave., Suite 1100
Chicago, IL 60611-2691

Payment

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

Early Registration Discount

The early registration fee will be granted for registrations received by March 21, 2007. 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 21, 2007. Registration forms submitted via mail must be postmarked on or before March 21, 2007.

Registration Deadlines

Registrations received via fax or postmarked after 11:59 p.m., CST on March 21, 2007, will not be processed. However, you may register online until 11:59 p.m., CST on April 13, 2007. After this date, you must register on site at the AAE Registration and Information desk at the Pennsylvania Convention Center during the following days/times:

Tuesday, April 24: 3 – 8 p.m.

Wednesday, April 25: 7 a.m. – 7 p.m.

Thursday, April 26: 7 a.m. – 6 p.m.

Friday, April 27: 7 a.m. – 5 p.m.

Saturday, April 28: 7 a.m. – 5 p.m.



Registration Information

Confirmation

You will receive same-day electronic confirmation if you register online. 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 ewilczek@aae.org. Badges and registration materials will be held for you at the on-site registration desk.

New Member Applications

To be eligible for a Professional, Student or Auxiliary member package, applications for membership must be received prior to April 13, 2007.

Cancellation Policy

Registrations will be refunded in full if the AAE receives written notification of cancellation by April 20, 2007. 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 20, 2007. Fax cancellations to the AAE Headquarters at 866/451-9020 (North America) or 312/266-9867 (International), or send an e-mail to ewilczek@aae.org.

See Who's Registered!

Log on to 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 2007 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 21)	Standard Fee
AAE Professional Member	\$560	\$660
AAE Student Member	\$100	\$200
AAE Auxiliary Member	\$168	\$268
AAE Alliance Member	\$129	\$179
Professional Guest (U.S.)	\$1,180	\$1,280
Professional Guest (Int'l)	\$656	\$756
Student Guest	\$656	\$756
Auxiliary Guest	\$656	\$756
Family/Guest	\$79	\$129

Registration packages include the following:

Professional/Student/Auxiliary Member and Professional/Student/Auxiliary Guest Packages: Sessions and Exhibits, Welcome Reception, *Celebrate Philadelphia!*, Opening Session Breakfast, General Assembly and Coolidge Luncheons.

Alliance Member Package: Alliance membership dues and program activities, Welcome Reception, *Celebrate Philadelphia!*

Family/Guest Package: Welcome Reception, *Celebrate Philadelphia!*

Please Note: Tickets for all attendees are required for the President's Dinner (see page 71 for details), Pre-Session Symposium (page 16), all workshops (page 15) and the Louis I. Grossman Memorial Luncheon (page 70).

New!

The President's Dinner is now a ticketed event for all attendees.

Optional Tours

The following optional tours are being managed by Roberts Event Group. If you have any questions regarding these activities, please contact Roberts Event Group by phone at 215/887-7880 or by e-mail at kate@robertseventgroup.com.

Thursday, April 26

Historic Philadelphia	10:30 a.m. – 2:30 p.m.
Philadelphia Arts	2 – 5 p.m.
Atlantic City	5 p.m. – 1 a.m.
Candlelight Tour/City Tavern	6:30 – 10:30 p.m.

Friday, April 27

Italian Market	9:30 a.m. – 12:30 p.m.
Medicine in Colonial Philadelphia	1 – 5 p.m.
Historic Philadelphia	1:30 – 5:30 p.m.

Saturday, April 28

Valley Forge	8:30 a.m. – 12:30 p.m.
Pennsylvania Dutch Country	8:30 a.m. – 4:30 p.m.
Winterthur Museum and Gardens	9 a.m. – 2 p.m.

Historic Philadelphia

Thursday, April 26 • 10:30 a.m. – 2:30 p.m.

Friday, April 27 • 1:30 – 5:30 p.m.



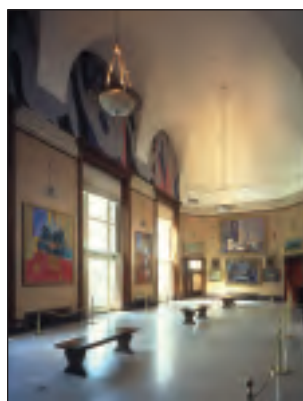
No trip to Philadelphia is complete without a visit to the "...most historic square mile in the country." You will see the Liberty Bell, the hallowed symbol of our nation's freedom; the location where the Declaration of Independence was adopted; Congress Hall, where Congress sat while Philadelphia was the capitol of

the United States from 1790-1800; Franklin Court, the site of the house and print shop of one of Philadelphia's most prominent citizens, Benjamin Franklin, and much more!

\$42 per person includes transportation, guides and admissions

Philadelphia Arts

Thursday, April 26 • 2 – 5 p.m.



Throughout Philadelphia, walls that were once empty or filled with graffiti have been replaced with peaceful gardens and exotic landscapes; moving tributes to historic figures, victims of violence and local heroes; and inspiring allegories that speak to the city's diverse values and aspirations. The tour will begin with a look

at the city's plentiful public art as well as the now-famous mural arts program that partners artists with communities to create incredible images where there was once graffiti and blight. Next we explore the treasures of the Philadelphia Museum of Art with a guided tour of the treasures of the museum's collection. America's third largest art museum contains over 300,000 paintings, drawings, sculptures and prints along with decorative arts, period rooms and an Oriental art collection.

\$50 per person includes trolley transportation, guides and admissions

Atlantic City

Thursday, April 26 • 5 p.m. – 1 a.m.



Spend the evening in the “Las Vegas of the East,” where a cash bonus awaits you upon arrival. Atlantic City is a must if you’ve never been there and is always recommended for repeat fun. This beautiful boardwalk beside the Atlantic Ocean features excellent restaurants, wonderful shopping and

of course, there is an extensive selection of casinos for your gambling pleasure. Participants must be at least 21 years of age.

\$52 per person includes transportation and a cash bonus

Candlelight Tour/City Tavern

Thursday, April 26 • 6:30 – 10:30 p.m.



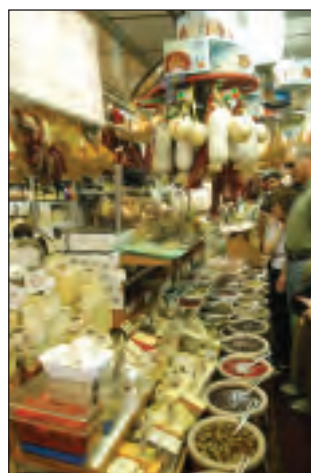
Step back in time as you board a trolley that will transport you back to colonial Philadelphia. Stroll through the cobblestone streets of Society Hill, one of the oldest and most elegant neighborhoods in the country. Here you will pass by elegantly restored

townhouses, hidden gardens and courtyards while your guide acquaints you with the customs and lifestyles of its colonial residents. Then, enjoy an evening at the City Tavern, as many of our forefathers did before you. John Adams once called the Tavern the “most genteel tavern in America.”

\$90 per person includes trolley transportation, guide, dinner and admissions (alcoholic beverages are additional and are charged on consumption)

Italian Market

Friday, April 27 • 9:30 a.m. – 12:30 p.m.



Philadelphia’s Italian Market is the oldest and largest working outdoor market in the United States. Termini Brothers Bakery is a Philadelphia landmark and one of the most unique and treasured traditions for over 75 years. Termini’s offers a step into the past, where technology takes a back seat to individual skill and ingenuity. Using recipes

and tools dating back to 1890, Termini’s depicts “the way it was” and of course, offers samples. Another family-owned and operated business for over 50 years is DiBruno Brothers’ “House of Cheese.” This European-style shop features over 400 different types of cheese and an overwhelming variety of gourmet food from around the world.

\$45 per person includes transportation, guide and admission

Medicine in Colonial Philadelphia

Friday, April 27 • 1 – 5 p.m.



This tour includes stops at some of the oldest medical landmarks in the nation, including Pennsylvania Hospital, the nation’s oldest

hospital, founded in 1751 by Benjamin Franklin and Dr. Thomas Bond. Features include a medicinal garden and medical library. Next, visit the Physick House, an elegant freestanding Federal mansion built in 1786. In 1815, the house was purchased by Dr. Philip Syng Physick who was known during his lifetime as the “Father of American Surgery.” Also, visit the Mutter Museum at the College of Physicians, the oldest honorary medical academy in the nation containing one of the few pathological and medical artifact museums.

\$50 per person includes trolley transportation, guide and admission

Optional Tours

Pennsylvania Dutch Country

Saturday, April 28 • 8:30 a.m. – 4:30 p.m.



Journey back in time as you travel through the pastoral countryside of Lancaster County. Your guide will acquaint you with the customs and lifestyles of these quiet people who live without the modern conveniences we all take for granted. You will visit an Amish house/farm and enjoy a real Pennsylvania Dutch-style lunch with all of the trimmings, including country-baked ham, fried chicken, sausage, noodles, chow chow, shoofly pie and more. There will be time for shopping at the Kitchen Kettle for Amish specialties such as jams, quilts and other crafts before returning to the hotel and the 21st century.

\$78 per person includes coach transportation, guide, admissions and lunch

Valley Forge

Saturday, April 28 • 8:30 a.m. – 12:30 p.m.



Of all places associated with America's War for Independence, none conveys the suffering, sacrifice and ultimate triumph more than Valley Forge. No battles were fought; no bayonet charges or artillery bombardments took place in Valley Forge but thousands of American soldiers died during the

bitter winter of 1777-1778. Here you'll tour Washington's headquarters, the soldiers' huts, Memorial Arch and the Memorial Chapel. Valley Forge is the story of an army's epic struggle to survive against terrible odds, hunger, disease and the unrelenting forces of nature.

\$45 per person includes coach transportation, guide and admissions

Winterthur Museum and Gardens

Saturday, April 28 • 9 a.m. – 2 p.m.



Beginning in 1811, four generations of duPonts farmed the Winterthur landscape. Henry Francis duPont (1880-1969), Winterthur's last private owner, developed a renowned herd of Holstein-Friesian dairy cattle, collected American Decorative Arts and pursued a lifelong interest in horticulture and landscape design. The legacy of Henry Francis duPont and Winterthur, is an experience to enjoy, share and remember. This tour is for every age and interest and in every season. Your visit will include a docent tour of duPont's remarkable collection in the 16 period rooms and a tram ride through the gardens and time for browsing in their wonderful gift shop. Lunch is on your own.

\$63 per person includes coach transportation, guide and admission



Logan Dental Ad

In Appreciation

The American Association of Endodontists appreciates the cooperation of the following companies that have generously supported the 2007 Annual Session. Please show your appreciation by visiting their booths in the exhibit hall and/or contacting their representatives after the meeting.



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Diamond Sponsor

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and Celebrate Philadelphia!



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Edgar D. Coolidge Luncheon



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Residents Reception



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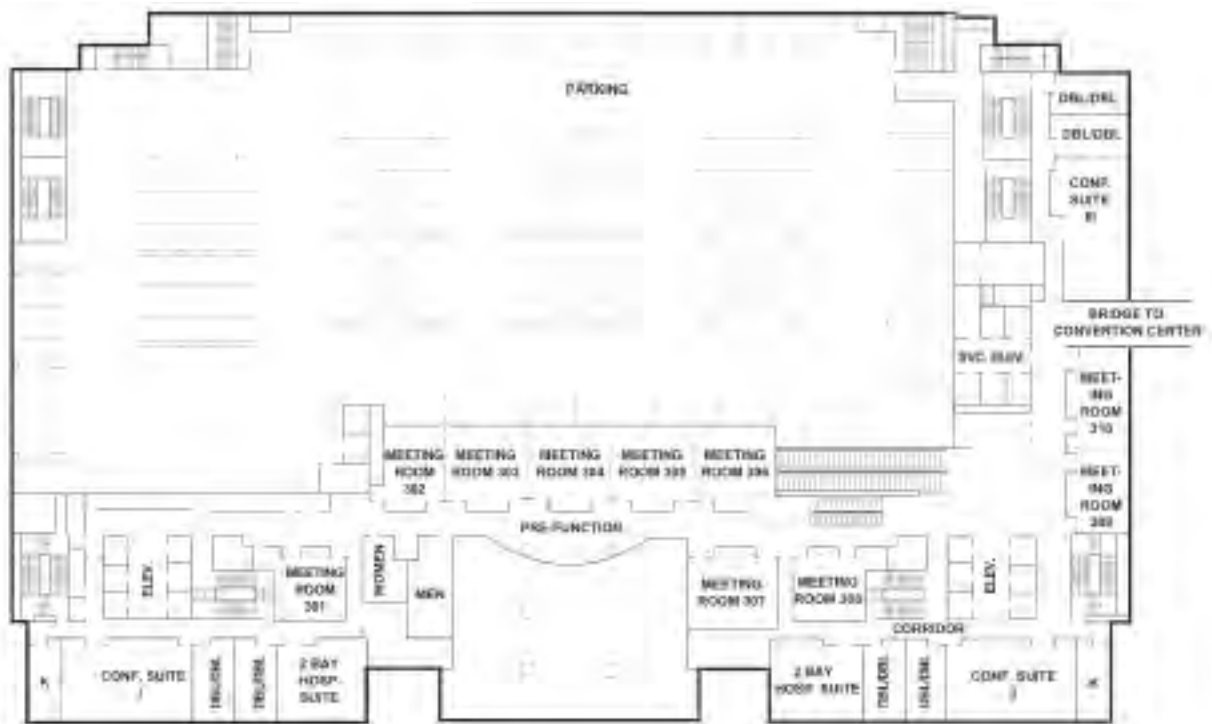
Nobel Biocare • InterMed/Vista Dental • PlasticEndo • Logan Dental • Guidance Endodontics • J. Morita USA

Pennsylvania Convention Center Floor Plan



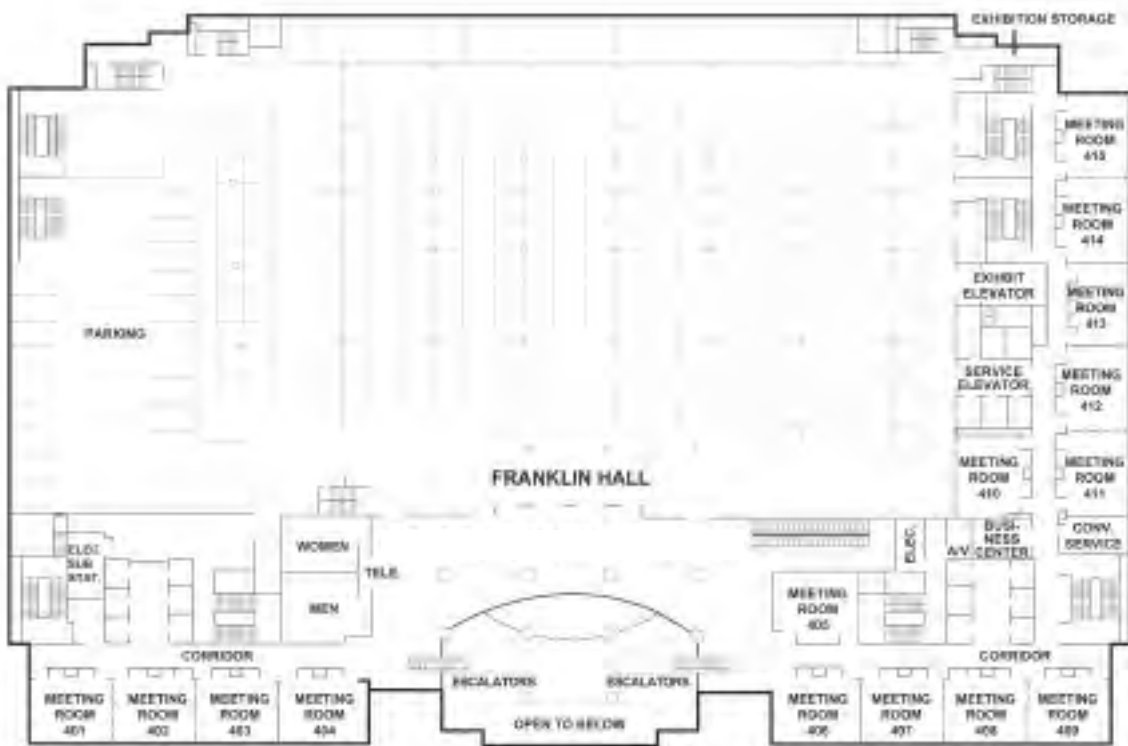
Philadelphia Marriott Floor Plan

Level Three

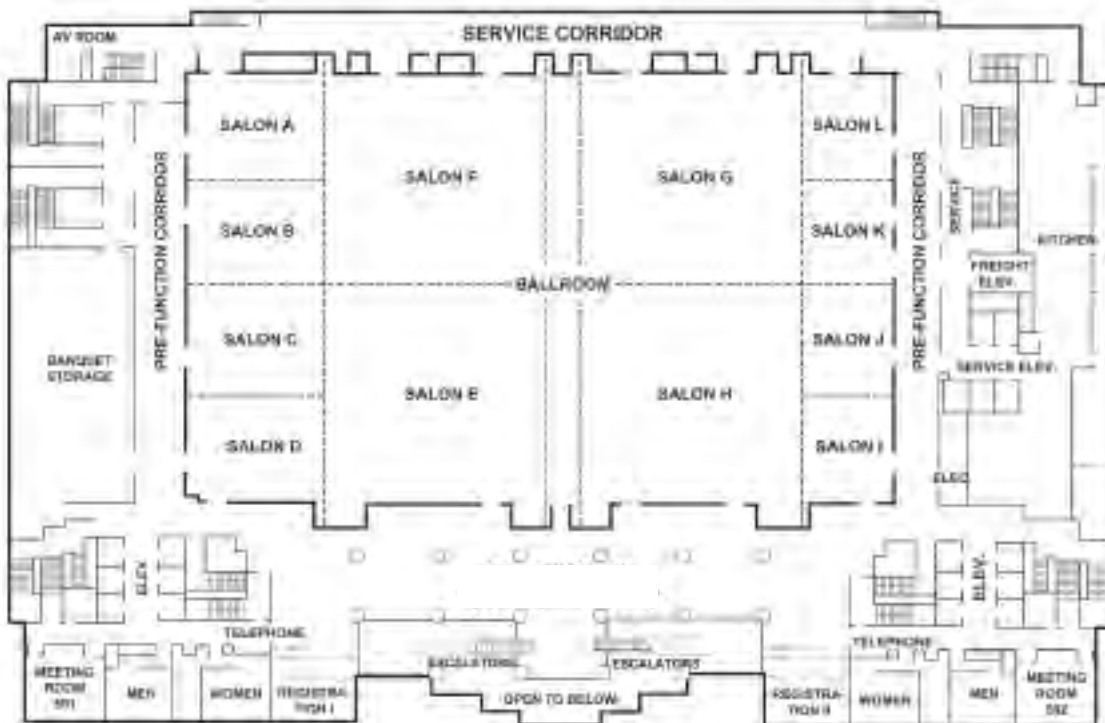


Philadelphia Marriott Floor Plan

Level Four - Franklin Hall



Level Five



Past Presidents

*W. Clyde Davis '43-44	*J. Henry Kaiser '59-60	Robert A. Uchin '75-76	Joseph I. Tenca '91-92
*Ralph F. Sommer '44-45	*Paul P. Sherwood '60-61	*Frank B. Trice '76-77	Stuart B. Fountain '92-93
*Robert G. Kesel '45-46	*Glenn R. Brooks '61-62	George A. Zurkow '77-78	Eric J. Hovland '93-94
*E.G. Van Valey '46-47	*Vincent B. Milas '62-63	Harry Blechman '78-79	*Richard C. Burns '94-95
*Maynard K. Hine '47-48	James H. Sherard Jr. '63-64	Paul E. Zeigler '79-80	*Philip W. Cohen '95-96
*Louis I. Grossman '48-49	*Jacob B. Freedland '64-65	*Edward M. Osetek '80-81	Jerome V. Pisano '96-97
*Elmer A. Jasper '49-50	*Henry S. Schmidt '65-66	Henry J. Van Hassel '81-82	Denis E. Simon III '97-98
*Raymond L. Girardot '50-51	John I. Ingle '66-67	Noah Chivian '82-83	Carl W. Newton '98-99
*George G. Sharp '51-52	Edwin C. Van Valey '67-68	Donald E. Arens '83-84	Harmon R. Katz '99-00
*F. Darl Ostrander '52-53	*Samuel S. Patterson '68-69	Stephen F. Schwartz '84-85	James L. Gutmann '00-01
*Laurence A. Lucas '53-54	*Warren J. Hedman '69-70	*Herbert Schilder '85-86	Jeffrey W. Hutter '01-02
*N. Weir Burkman '54-55	*John F. Bucher '70-71	Michael A. Heuer '86-87	Samuel O. Dorn '02-03
*Harry J. Healey '55-56	Dudley H. Glick '71-72	Charles J. Cunningham '87-88	Mahmoud Torabinejad '03-04
*John R. Pear '56-57	*I.B. Bender '72-73	Joseph D. Maggio '88-89	Sandra Madison '04-05
*George C. Hare '57-58	*Charles A. Scott Jr. '73-74	Gerald C. Dietz Sr. '89-90	Marc Balson '05-06
George G. Stewart '58-59	Alfred L. Frank '74-75	James C. McGraw '90-91	

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 '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

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

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

Ralph F. Sommer Award

Calvin D. Torneck '84
Alfred L. Frank '85
Mahmoud Torabinejad '86
John I. Ingle '87
Leif Tronstad '90
Jens O. Andreasen '91
*I.B. Bender '93
*Samuel Seltzer '93
Goran Sundqvist '94
Gunnar Bergenholtz '96
Miomir Cvek '03
Henry J. Van Hassel '05
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

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. Andreasen '01
Shiro Kudo '02
Ivar A. Mjör '04
Rafael Miñana '06

President's Award

Peter A. Paesani '97
Bruce H. Seidberg '02
Wm. Ben Johnson '04
Darrell W. Zenk '05

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Registration Form

Form designed for one registrant and guest(s). Additional registrants must duplicate the form.

Registrant's Information

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Nickname for Badge

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Please complete only if you are registering and including payment for an Alliance member or family/guest package.

Last Name (Alliance)

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Last Name(s) (Family/Guest)

First Name(s)

Nickname(s) for Badge

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Check Appropriate Package	Early by 3/21/07	Standard	Amount
<input type="checkbox"/> AAE Professional Member	\$560	\$660	_____
<input type="checkbox"/> AAE Student Member	\$100	\$200	_____
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<input type="checkbox"/> AAE Professional Member	\$350	\$400	_____
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Hands-On Workshops (See page 15 for details; online or fax only)

Wednesday, April 25

<input type="checkbox"/> Endodontic Microsurgery	\$800	\$850	_____
--	-------	-------	-------

Thursday, April 26

<input type="checkbox"/> Microsurgery for the Endodontic Team	\$400	\$450	_____
---	-------	-------	-------

Friday, April 27

<input type="checkbox"/> Differential Negative Pressure	\$150	\$200	_____
---	-------	-------	-------

<input type="checkbox"/> Endodontic Irrigation			_____
--	--	--	-------

<input type="checkbox"/> Microscope Photography	\$400	\$450	_____
---	-------	-------	-------

Saturday, April 28

<input type="checkbox"/> Wine Tasting	\$50	\$100	_____
---------------------------------------	------	-------	-------

Subtotal 1 \$

Additional Tickets (For tickets not included in your registration package—see reverse)

	Qty.	Early by 3/21/07	Standard	Amount
Thursday				
Opening Session Breakfast	_____	\$35	\$45	_____
Louis I. Grossman Luncheon	_____	\$45	\$55	_____
Friday				
General Assembly Luncheon	_____	\$45	\$55	_____
President's Dinner	_____	\$35	\$45	_____
Saturday				
Edgar D. Coolidge Luncheon	_____	\$45	\$55	_____

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. \$

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Payment is by (please check one): ☐ Visa ☐ MasterCard ☐ American Express
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Fax your completed form with credit card information to 866/451-9020 (North America) or 312/266-9867 (International), or mail with check to the address shown on reverse side.

Registration packages include the following:

Professional/Student/Auxiliary Member and Professional/Student/Auxiliary Guest Packages: Sessions and Exhibits, Welcome Reception, *Celebrate Philadelphia!*, Opening Session Breakfast, General Assembly and Coolidge Luncheons.

Alliance Member Package: Alliance membership dues and program activities, Welcome Reception, *Celebrate Philadelphia!*

Family/Guest Package: Welcome Reception, *Celebrate Philadelphia!*

Please Note: Tickets for the President's Dinner, Pre-Session Symposium, all workshops and the Louis I. Grossman Memorial Luncheon are not included as part of any registration package. Attendees must purchase tickets separately.

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Please choose one of the following methods to register for the 2007 Annual Session.

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

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



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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



**Personal Information (Please print or type)**

Full Name _____

Address _____

City _____

State/Country _____

Zip/Postal Code _____

Phone _____

Fax _____

E-mail _____

Special Assistance (if applicable) _____

Description	Qty.	Price	Amount	Description	Qty.	Price	Amount
Thursday, April 26				Saturday, April 28			
Historic Philadelphia	_____	\$42	_____	Pennsylvania Dutch Country	_____	\$78	_____
Philadelphia Arts	_____	\$50	_____	Valley Forge	_____	\$45	_____
Atlantic City	_____	\$52	_____	Winterthur Museum and Gardens	_____	\$63	_____
Candlelight Tour/City Tavern	_____	\$90	_____				
Friday, April 27							
Italian Market	_____	\$45	_____				
Medicine in Colonial Philadelphia	_____	\$50	_____				
Historic Philadelphia	_____	\$42	_____				
						Total U.S. \$	_____

Payment Information (Forms cannot be processed without payment information)Payment is by (please check one): ☐ Visa ☐ MasterCard ☐ American Express

Card Number _____

Expiration Date _____

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The undersigned releases Roberts Event Group and the American Association of Endodontists, and any of their employees and subcontractors from all claims, or rights for damages or injuries associated with tour participation, regardless of cause or fault.

Signature (required) _____

Register in advance to ensure tour availability. On-site registration will be limited and accommodated on a space-available basis only.

Two Ways to Register



Fax this form with credit card information to Roberts Event Group at 215/887-2003.



Mail this form with credit card information or check made payable to:

Roberts Event Group – AAE Tours
491 Old York Rd., Suite 300
Jenkintown, PA 19046

Roberts Event Group will process all tour requests and payment.
Please do not send this form or payment to the AAE.

Full payment must accompany your registration form. Registration confirmations will be sent via e-mail.

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Roberts Event Group has the right to cancel tours if minimums are not met by April 11, 2007. If this occurs, you will receive a full refund for the tickets previously purchased.

All registrants must pick up their tour packets at the on-site tour desk (located in the AAE Registration and Information area at the Pennsylvania Convention Center) prior to departure during the following hours:

Tuesday, April 24: 3 – 8 p.m.

Wednesday, April 25: 7 a.m. – 7 p.m.

Thursday, April 26: 7 a.m. – 6 p.m.

Friday, April 27: 7 a.m. – 5 p.m.

Saturday, April 28: 7 – 9 a.m.

All tours will depart from the Philadelphia Marriott 12th Street Entrance.

All tours are fully narrated, escorted and inclusive of fees and admissions. Meals are included only where noted.

All tours will be given rain or shine.

Cancellation Policy

All cancellations must be received, in writing, faxed to Roberts Event Group at 215/887-2003 or e-mailed to kate@robertseventgroup.com by April 11, 2007. No refunds will be issued after this date. All cancellations will incur a \$10 processing fee.

Please contact Roberts Event Group at 215/887-7880 or kate@robertseventgroup.com if you have any questions regarding the AAE 2007 Optional Tours Program.

Future Annual Session Dates

2008



Vancouver, British Columbia, Canada

Vancouver Convention and Exhibition Centre

April 9 — 12

2009



Orlando, Florida

Gaylord Palms Resort and Convention Center

April 29 — May 2

2010



San Diego, California

San Diego Convention Center

April 14 — 17

2011



San Antonio, Texas

San Antonio Convention Center

April 13 — 16

2012



Boston, Massachusetts

Hynes Convention Center

April 18 — 21



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