

Advocating for the Advancement of Endodontics



2005
Annual Session

April 6-9

Wyndham
Anatole

Dallas, Texas



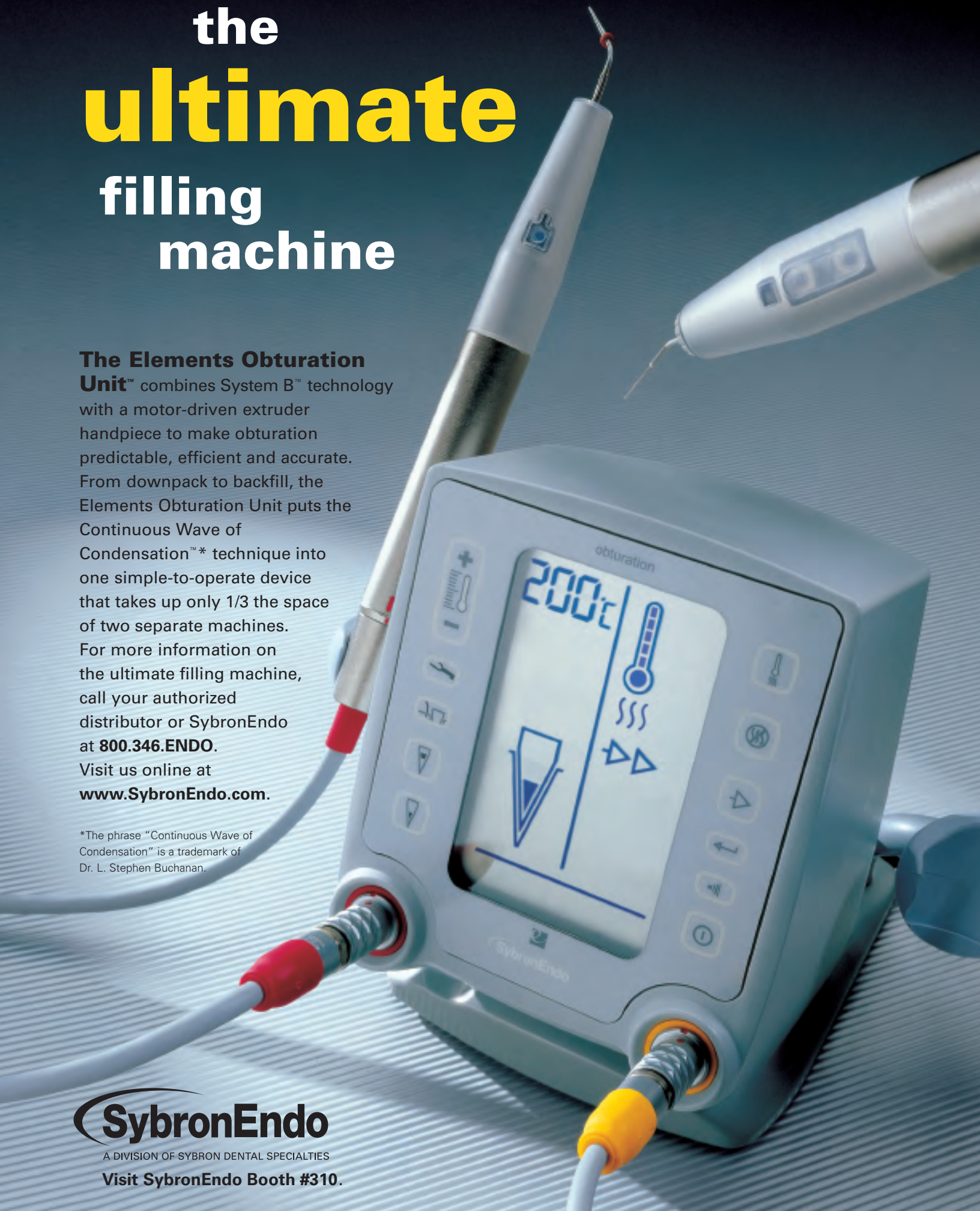
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President's Welcome

This past year has focused on *Advocating for the Advancement of Endodontics*—within the profession of dentistry, our own specialty, local, national and international communities, and even among ourselves. The movement continues here in Dallas at the 2005 Annual Session. This year's meeting will provide everyone with the opportunity to advance their success and that of the specialty through an invigorating educational program, exciting special events and stimulating discussion with peers that will spark new ideas and provide avenues for “thinking outside the box.”

In order to enhance the value of the educational program, the 2005 Annual Session Planning Committee, led by Drs. William T. Johnson and Jeffrey W. Hutter, structured the sessions into several tracks presented by the top speakers in those areas. Each track covers a topic that is at the forefront of the specialty—surgery, trauma, pain control, implantology and practice management. There is something for everyone; a special track on auxiliary topics has been prepared just for the office staff, while all attendees can glean a wealth of information from the presentations. Continuing what has become an ongoing special service for our international members, the Pre-Session Symposium and sessions in the Surgery track will be translated from English into Japanese, Portuguese and Spanish.

The exhibit hall is brimming with activity, including our long-time exhibitors and many vendors who are new to the Annual Session—this is a great opportunity to evaluate products and services in which you have an interest. Be sure to visit the Oasis member services area, which features a special display about our *Endodontists: the root canal specialists* public awareness campaign, information about the AAE's new, grassroots Step Up! program for those interested in volunteerism and advocacy, as well as the premier of our Educator Center.

Another significant change to this year's program is our luncheon line-up, which has been organized to make the most of these midday meals. Be sure to attend the Louis I. Grossman Memorial Luncheon on Thursday to recognize members who have achieved Diplomat status, vote at the Association's annual business meeting during Friday's General Assembly Luncheon, and honor our award recipients at the Edgar D. Coolidge Luncheon on Saturday. There has, of course, also been some time set aside to kick back, relax and even do some boot-scootin' at our special events. I am looking forward to seeing everyone enjoy themselves at the evening activities, including the Welcome Reception, alumni and affiliate functions, *Celebrate Dallas!* and the final evening's President's Dinner.

On behalf of everyone who has made this meeting possible, especially the 2005 Annual Session Planning Committee, the Board of Directors, the Continuing Education Committee and AAE staff, I welcome you to Dallas and the 2005 Annual Session of the American Association of Endodontists. May this meeting be the start of a reinvigorated, courageous promotion of our great specialty!

Love Y'all,

Sandra Madison, D.D.S., M.S.
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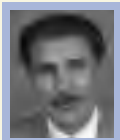
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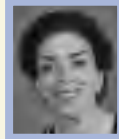
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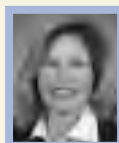
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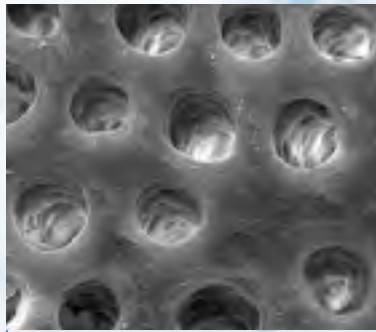
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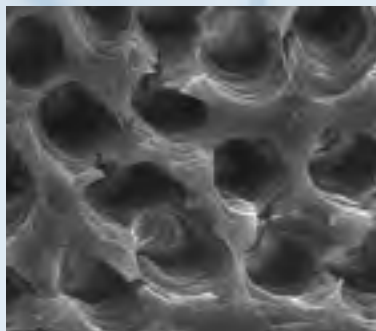
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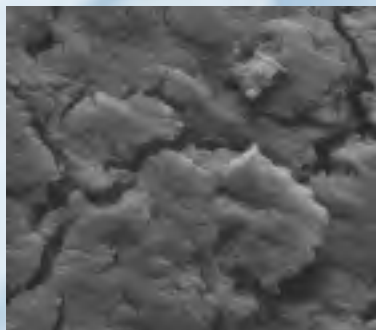
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17% EDTA final irrigation.
Significant erosion to the dentinal tubule orifices.



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Smear layer still intact.

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¹ Mahmoud Torabinejad, DMD, MSD, PhD, Yongbum Cho, DDS, MS, PhD, Abbas Ali Khademi, DMD, MS, Leif K. Bakland, DDS and Shahrokh Shabahang, DDS, MS, PhD. The Effect of Various Concentrations of Sodium Hypochlorite on the Ability of MTAD to Remove the Smear Layer. *Journal of Endodontics*, Vol. 29, No. 4, (2003), P. 233.

² Source: Tanya K. Machnick, DDS, Mahmoud Torabinejad, DMD, MSD, PhD, Carlos A. Munoz, DDS, MSD, and Shahrokh Shabahang, DDS, MS, PhD. "Effect of MTAD on Flexural Strength and Modulus of Elasticity of Dentin." *Journal of Endodontics*, Vol. 29, No. 11, (2003), p.747-750.

Images provided by Mahmoud Torabinejad, DMD. U.S. patents pending. ADBPMTADE 12/04C

2005

Annual Session

Advocating for the Advancement of Endodontics

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Schedule At-A-Glance

All Annual Session activities will be conducted at the Wyndham Anatole unless otherwise noted. Please refer to the Educational Sessions portion of this program for session room assignments. All optional tours and activities depart from the Wyndham's Clock Tower Entrance.

Tuesday, April 5

3 – 8 p.m. Registration and Information
Tower Lobby

Wednesday, April 6

7 a.m. – 8 p.m. Registration and Information
Tower Lobby

8 a.m. – 5 p.m. Pre-Session Symposium
Trinity II

Endodontic Microsurgery Workshop
De Soto A/B

9 a.m. – 1:30 p.m. Sixth Floor Museum and Dallas City Tour*

1 – 4 p.m. Dallas City Tour*

1 – 4:30 p.m. Dallas Women's Museum and Texas
Discovery Gardens*

6:30 – 8 p.m. Welcome Reception
Anatole Park

6:30 – 8:30 p.m. Alliance Silent Auction
Peacock Terrace

Thursday, April 7

7 a.m. – 6 p.m. Registration and Information
Tower Lobby

AAE Oasis Open
Trinity Foyer

8 – 10 a.m. Opening Session
Trinity II

10 – 11 a.m. District Caucuses
I-Coronado A; II-Coronado B/C/D
III-Cortez A; IV-Cortez B
V-Cortez C/D; VI-Miro; VII-Chantilly East

10 a.m. – 6 p.m. Exhibits Open
Trinity I

10:30 a.m. – noon Oral Research Presentations
De La Salle and De Soto A/B

10:30 a.m. – 4 p.m. Neiman Marcus and Galleria Shopping*

11 a.m. – noon Affiliate Leadership Meeting
Cortez C/D

Noon – 1:30 p.m. Louis I. Grossman Luncheon
Wedgwood

Noon – 4:30 p.m. Sixth Floor Museum and Dallas City Tour*
Grapevine and Delaney Vineyards Tour*

1 – 4:30 p.m.

Nasher Sculpture Center and Dallas
Museum of Art*

1:30 – 3 p.m.

Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B

3 – 3:30 p.m.

Networking Break
Trinity I

3:30 – 5 p.m.

Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B

5 – 6 p.m.

Exhibit Hall Happy Hour and Foundation
Live Auction
Trinity I

6 – 11 p.m.

Dallas Mavericks/San Antonio Spurs
Basketball Game*

Friday, April 8

6:30 a.m.

Fun Run
Anatole Park

7 – 8 a.m.

Continental Breakfast
Chantilly West

7 a.m. – 5 p.m.

Registration and Information
Tower Lobby

AAE Oasis Open
Trinity Foyer

8 – 9:30 a.m.

Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B

8 – 11:30 a.m.

Poster Research Presentations
and Table Clinics
Trinity I

8 a.m. – 5 p.m.

Exhibits Open
Trinity I

9 a.m. – noon

Sixth Floor Museum Tour *

9:30 – 10 a.m.

Networking Break
Trinity I

10 – 11:30 a.m.

Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B

10 a.m. – 3:30 p.m.

Highland Park Village Shopping*

11:30 a.m. – 1:15 p.m.

General Assembly Luncheon
Trinity II

Friday, April 8 (cont.)

- 1 – 4:30 p.m. Dallas Women’s Museum and Texas Discovery Gardens*
- 1:30 – 3 p.m. Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B
- 3 – 3:30 p.m. Networking Break
Trinity I
- 3:30 – 5 p.m. Educational Sessions
Oral Research Presentations
De La Salle and De Soto A/B
- 7 p.m. – midnight *Celebrate Dallas!*
Circle R Ranch

Saturday, April 9

- 7:30 – 8:30 a.m. Continental Breakfast
Chantilly West
- 7:30 a.m. – 3:30 p.m. Registration and Information
Tower Lobby
AAE Oasis Open
Trinity Foyer

- 8 – 11:30 a.m. Poster Research Presentations and Table Clinics
Trinity I
- 8 a.m. – 1 p.m. Exhibits Open
Trinity I
- 9:30 – 9:45 a.m. Networking Break
Trinity I
- 9:45 – 11:15 a.m. Educational Sessions
- 10 a.m. – 1 p.m. Sixth Floor Museum*
- 10 a.m. – 3:30 p.m. Highland Park Village Shopping*
- 11:30 a.m. – 1:30 p.m. Edgar D. Coolidge Luncheon
Trinity II
- 2 – 3:30 p.m. Educational Sessions
- 7 – 8 p.m. Pre-Dinner Reception
Chantilly Foyer
- 8 p.m. – midnight President’s Dinner
Chantilly Ballroom

* optional tour



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General Information

AAE OASIS

This all-purpose membership services area located in the exhibit hall foyer is your one-stop shop for all things AAE. Peruse a variety of newly released products and publications, including special sale-priced items. Speak with AAE staff to update your contact information, obtain a membership application or answer your questions regarding membership benefits. The Oasis is the perfect place to pledge your support for the AAE Foundation and learn how to become a Diplomat from the American Board of Endodontics. This is also the place to review job postings on the AAE Career Opportunities Exchange Board and get a preview of the upcoming Fall Conference in Florida and next year's Annual Session in Hawaii.

New this year to the Oasis are a number of different service stations, including an Educator Center, a "Polish for Pledges" Foundation shoe-shine booth, *Endodontists: the root canal specialists* display and a location to update your volunteer hours for the Step Up! program.

Be sure to enter the annual Oasis drawing – you may be the lucky winner of a dinner for two, luxury spa treatments or complimentary registration for the 2006 Annual Session.

AAE REGISTRATION AND INFORMATION

AAE Registration and Information will be located in the Tower Lobby during the following hours:

Tuesday: 3 – 8 p.m.

Wednesday: 7 a.m. – 8 p.m.

Thursday: 7 a.m. – 6 p.m.

Friday: 7 a.m. – 5 p.m.

Saturday: 7:30 a.m. – 3:30 p.m.

ANNUAL SESSION SHIRTS

Pre-ordered shirts were mailed to attendees prior to the Annual Session. A limited supply is available for purchase at the AAE Oasis.

BADGES

Your badge will admit you to all events included in your registration package (see Registration Categories); therefore, please wear your name badge to all functions. Tickets are only required for events not included in your package and for the President's Dinner.

CAREER OPPORTUNITIES EXCHANGE

Find the very latest job prospects or post an opening on the Career Opportunities Exchange Board located in the AAE Oasis. The job board is hosted and monitored by the Membership Services Committee.

CE INFORMATION

NEW! Attendance Verification Numbers

This year, attendance verification numbers will be announced at the end of each individual course. Attendees should record the number on the *CE Verification Form*, included in the registration packet, in order to document attendance and receive CE credit. Attendance verification numbers for oral and poster research presentations and table clinics will be available at each presentation location. California licensees should submit a copy of their completed form within 30 days to the AAE for documentation as required by the Dental Board of California. Complete instructions will be provided on the *CE Verification Form*.

CE credits may not be applicable for license renewal in all states. Since CE requirements and acceptable credits vary, each participant must verify the requirements of their state licensing board and whether the CE form should be retained by the participant or sent to the state board.

NEW! Oral and Poster Research Presentations and Table Clinics Maximum Hours

Participants can claim a maximum of two CE hours for attending the oral research presentations and an additional maximum of two CE hours for visiting the table clinics and/or poster research presentations.

The AAE is an ADA CERP-Recognized Provider.



CHILDCARE

A list of insured and bonded babysitters in the Dallas area can be obtained from the Wyndham Anatole concierge.

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 Tower Lobby.

Sponsored by SybronEndo

EVALUATIONS

Your opinion counts! Assist the AAE in preparing future programs by completing an evaluation form for each session that you attend. Evaluation forms will be distributed by the room monitor at the beginning of each session and collected at the conclusion. Or, you may drop your completed forms in the receptacle located in the AAE Registration and Information area.

EXHIBITS

Please refer to the Exhibits section of this program for a complete list of participating companies. Your name badge is required for admittance into the exhibit hall. Exhibits will be open during the following hours:

Thursday: 10 a.m. – 6 p.m.

Friday: 8 a.m. – 5 p.m.

Saturday: 8 a.m. – 1 p.m.

LOST AND FOUND

If you have lost an item or wish to turn something in, dial extension 7347 from any house phone.

NO SMOKING POLICY

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

PRESIDENT'S DINNER SEATING

Planning to attend the President's Dinner? You must obtain a table assignment no later than 10 a.m. on Saturday, April 9. If you wish to have group seating, a ticket must be presented at the same time for each person in your group. Tables are reserved on a first-come, first-served basis. The President's Dinner desk will be located in the AAE Registration and Information area.

REGISTRATION CATEGORIES

Annual Session registration categories include the following activities and events:

Professional/Student/Auxiliary Member and Guest Packages: Sessions and Exhibits, Welcome Reception, Opening Session, Continental Breakfasts, General Assembly and Coolidge Luncheons, and *Celebrate Dallas!* In addition, the Professional and Student Member packages will include one ticket to the President's Dinner.

(Note: The Auxiliary package is only for dental assistants or office administrators who have joined the AAE. An endodontist's AAE membership does not include membership for his/her staff.)

Alliance Member Package: Alliance membership dues and program activities, Welcome Reception and *Celebrate Dallas!*

Family/Guest Package: Welcome Reception and *Celebrate Dallas!*

RESTAURANT RESERVATIONS

The Wyndham Anatole concierge can assist you with restaurant recommendations and reservations during your stay.

SESSION HANDOUTS

Speakers are encouraged to provide handouts for their session. Handouts received by the AAE will be distributed at the corresponding session. Remaining copies of handouts will be available in the Emerald room.

SESSION RECORDING

The majority of sessions presented will be recorded and available for purchase on CD-ROM (MP3 format). Please refer to the Audio Recording Order Form provided in the registration packet, or visit the Sound of Knowledge sales desk in the AAE Registration and Information area. Participants may not audio- or videotape presentations on their own.

SIMULTANEOUS INTERPRETATION



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

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SPEAKER-READY ROOM

Presenters may preview their presentations or obtain assistance in the Emerald room.

SPECIAL ASSISTANCE

If you have a physical, communication or dietary restriction that may affect your participation in Annual Session activities, please see Eva Wilczek in the AAE

Registration and Information area. Please note, the AAE and the Wyndham Anatole cannot ensure the availability of appropriate accommodation without sufficient notification of need.

SPECIAL EVENTS AND ON-SITE TICKET SALES

Refer to the Special Events section of this program for a listing of activities taking place in conjunction with the Annual Session. If you are uncertain whether an event is included in your registration fee, please see the Registration Categories explanation on this page.

On-site event sales are subject to availability. You must purchase admittance to an event at least 24 hours in advance, with the exception of the President's Dinner, which requires purchase and table assignment no later than 10 a.m. on Saturday.

TOUR PROGRAM

The optional tour program, offered by USA Hosts, has been designed exclusively for AAE attendees. Registrants may pick up their tour packet at the AAE Registration and Information desk during the following hours:

Wednesday: 7 a.m. – 8 p.m.

Thursday: 7 a.m. – 6 p.m.

Friday: 7 a.m. – 5 p.m.

All tours depart from the Wyndham's Clock Tower Entrance.



Special Events

Wednesday, April 6

INTERNATIONAL RECEPTION *(by invitation)*

5:30 – 6:30 P.M. Verandah Club

With the specialty of endodontics expanding globally, the AAE wishes to acknowledge those that have joined us from around the world. All international attendees are invited to gather at this event preceding the Welcome Reception.

Sponsored by Lippincott, Williams & Wilkins

WELCOME RECEPTION AND ALLIANCE SILENT AUCTION

6:30 – 8 P.M. – Reception Anatole Park

6:30 – 8:30 P.M. – Auction Peacock Terrace

Don't miss this "One World" outdoor festivity in the Wyndham's Anatole Park. Back by popular demand, the Alliance Silent Auction will again be held in conjunction with the reception, making for a great social scene. Don't miss this opportunity to bid on weekend getaways, original art, jewelry, autographed items and much more! Make sure that you bid early; your support benefits the AAE Foundation.

Thursday, April 7



OPENING SESSION

8 – 10 A.M. Trinity II

Join your fellow endodontists at the breakfast table to launch the 2005 Annual Session!

Dr. Sandra Madison, AAE president, will present the keynote address. In addition, breakfast attendees will receive an overview of the many different activities planned for the days ahead.

LOUIS I. GROSSMAN MEMORIAL LUNCHEON



NOON – 1:30 P.M. Wedgwood

Sponsored by the College of Diplomates, this year's luncheon program will acknowledge endodontists who achieved Board certification during 2004. Family members, ABE Directors, the AAE Executive Committee and other Diplomates will gather to share this moment of recognition.

Dr. Stuart B. Fountain will present a keynote address describing the evolution of the College of Diplomates through this year's anniversary of its initial charter established 10 years ago in Dallas. Dr. Fountain, along with Dr. M. Lamar Hicks, was deeply involved in establishing the College and fostered the early years of its formation. His vision helped build an organization that had as its mission the promotion of Diplomate status and the need for volunteer Diplomates to mentor qualified candidates through the Board certification process.

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EXHIBIT HALL HAPPY HOUR AND FOUNDATION LIVE AUCTION

5 – 6 P.M. Trinity I

Bidding opens at 5:30 p.m. All proceeds benefit the AAE Foundation.

Take this opportunity to wind down in the casual atmosphere of the exhibit hall immediately following Thursday's educational program! The Foundation Live Auction will be conducted in conjunction with this excellent networking opportunity. If you are in the market for quality products at incredible prices, or simply in the mood for a beverage and light snack, this is the event for you. Specific items for auction will be available for viewing in the exhibit hall throughout the day on Thursday.

This year you can double your fun! The Foundation Silent Product Auction presents a new opportunity for bidding and bargaining. Exhibitors throughout the hall will be featuring products. Bidding opens at 10 a.m. on Thursday, April 7, and closes at 4 p.m. on Friday, April 8. Register at the Foundation booth in the Oasis to participate. Proceeds for both auctions benefit the AAE Foundation.

RESIDENT'S RECEPTION *(by invitation)*

7:30 – 9 P.M. Crocodile Disco

This annual special event recognizes those new to the specialty and their important role in endodontics. Attendees currently enrolled in an endodontic program are encouraged to attend this casual evening of camaraderie.

Sponsored by Treloar and Heisel, Inc., and GE Medical Protective

Friday, April 8

FUN RUN

6:30 A.M. Anatole Park

Don your athletic gear and join fellow AAE members, family and friends for a refreshing and scenic morning run. Prior to the race, enjoy warm-up and stretch instruction led by an exercise physiology professional. The USTFA-certified 5K (3.1 miles) Fun Run will depart from the Verandah Club Patio in Anatole Park and will feature a lead bicyclist and finish line clock. For those participants who would like to run 10K, the option of running the course twice is available. Human arrows and route maps will be available to direct you!

Sponsored by Nobel Biocare, Inc.

GENERAL ASSEMBLY LUNCHEON

11:30 A.M. – 1:15 P.M. Trinity II

The General Assembly is the AAE's annual business meeting. Leadership from the AAE, Foundation and the ABE will present brief reports, and important issues affecting you and the Association will be discussed with courses of action decided. Your fellow members will be installed as officers and directors of the AAE, AAE Foundation and the American Board of Endodontics. Come have a bite, learn what's been going on at the AAE over the past year, and vote on important issues facing the Association.

Friday, April 8 (cont.)

CELEBRATE DALLAS!

6:30 P.M. – MIDNIGHT

Circle R Ranch

This popular celebration will be held at the Circle R, an authentic, theme-oriented ranch set amid acres of green rolling hills and open pasture in the northern Texas countryside. Saddle up for a “Texas-sized” experience, starting with a delicious barbeque dinner, interactive games, a rodeo, live music, dancing and other entertainment. Buses will depart from the Clock Tower Entrance at the Wyndham Anatole from 6:30 – 7:15 p.m. Transportation back to the hotel will be provided throughout the evening, with the last buses departing Circle R at midnight. You must wear your name badge to attend the event.

Sponsored by Dentsply Tulsa Dental

Saturday, April 9

EDGAR D. COOLIDGE LUNCHEON

11:30 A.M. – 1:30 P.M. Trinity II

Join your colleagues to acknowledge the following award recipients. In addition, the AAE/Dentsply Resident Awards, which recognize the top 10 presenters for oral and poster research presentations and table clinics, will be announced.

Sponsored in part by Dentsply International



EDGAR D. COOLIDGE AWARD

Philip W. Cohen, D.D.S., M.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

James H. Simon, D.D.S.

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



EDWARD M. OSETEK EDUCATOR AWARD

Alexandre A.P. Fleury, D.D.S., M.S.

Presented to a full-time educator with less than six years teaching experience, who has earned the esteem and respect of students and faculty associates. The award is named in memory of Dr. Edward M. Osetek, who was an influence and inspiration to many students during his teaching career.



I.B. BENDER LIFETIME EDUCATOR AWARD

William J. Meyers, D.M.D., M.Ed.

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. The award is named in honor of Dr. I.B. Bender, in recognition of his legacy as an outstanding teacher and mentor.

RALPH F. SOMMER AWARD



Henry J. Van Hassel, D.D.S., Ph.D.



Harmeet D. Walia, D.D.S., M.D.S., M.S.

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

PRESIDENT’S DINNER

7 P.M. – Reception *Chantilly Foyer*

8 P.M. – Dinner *Chantilly Ballroom*

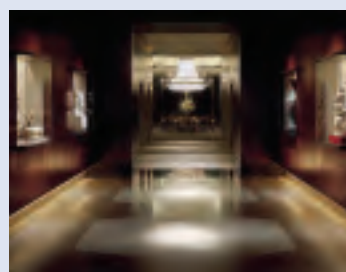
The 2005 Annual Session will culminate at this spectacular event hosted by AAE President Sandra Madison. Join your peers for an evening of fine dining, dancing and entertainment.

(Black tie optional. Advance table assignment is required; one ticket is included in the Professional and Student Member registration packages. Please see page 10 for details.)

In order to facilitate program timing, meal service for the Opening Session and luncheons may not be available for latecomers.

Wyndham Anatole Art Tour

The Wyndham Anatole houses one of the largest and most impressive collections of art and antiquities ever assembled in an American hotel. Customized art tours have been arranged exclusively for the AAE during the following times:



Wednesday, April 6
2 – 3:30 p.m.

Friday, April 8
2 – 3:30 p.m.

Participants should assemble at the Atrium concierge desk 10 minutes prior to tour time.

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Alumni and Affiliate Functions

All functions will take place at the Wyndham Anatole unless otherwise noted.

Wednesday, April 6

Baylor College of Dentistry
Reception: 9 – 11 p.m. *Madrid*

Northwestern University
Reception: 8 – 10 p.m. *Manchester*

U.S. Army Association of Endodontists
Reception: 5:30 – 7 p.m. *Milan*

University of Buffalo
Reception: 8 – 10 p.m. *Jade*

University of Michigan
Dinner: 8 p.m. *Off-Site Location*

Virginia Commonwealth University/Medical College of Virginia
Reception: 6:30 – 9:30 p.m. *Ming*

Nova Southeastern University
Reception: 8:30 – 10 p.m. *Morocco*

Ohio State University
Dinner: 6:30 p.m. *Off-Site Location*

Oregon Health & Science University
Reception: 6:30 – 8 p.m. *Rosetta*

Pennsylvania Association of Endodontists
Meeting: 11 a.m. – noon *Madrid*

St. Louis University
Reception: 6 – 8 p.m. *Rathskeller Sports Bar*

Temple University
Reception: 6 p.m. *Lalique*

Tufts University
Reception: 6 – 7:30 p.m. *Edelweiss*

U.S. Navy Association of Endodontists
Reception: 5:30 – 8 p.m. *Topaz*

University of Florida
Reception: 5:30 – 7:30 p.m. *Steuben*

University of Illinois
Dinner/Reception: 6 – 9 p.m. *La Esquina*

University of Iowa
Reception: 6 – 8 p.m. *Jade*

University of Louisville
Reception: 6 – 8 p.m. *Cardinal B*

University of Maryland
Reception: 6:30 – 8:30 p.m. *Ming*

University of Medicine & Dentistry of New Jersey
Reception: 5:30 – 7:30 p.m. *Cardinal A*

University of Missouri-Kansas City
Reception: 5:30 – 6:30 p.m. *Peridot*

University of North Carolina/Tarheel Endodontic Association
Meeting: 5 – 6 p.m. *Metropolitan*
Reception: 6 – 8 p.m.

University of Pennsylvania
Reception: 6 – 8 p.m. *Chantilly Foyer*
Dinner: 8 p.m. *Peacock Terrace*

University of Pittsburgh
Reception: 6 – 8 p.m. *Inverness*

University of Southern California
Reception: 7 – 10 p.m. *Miro*

University of Texas at Houston
Reception: 6 – 7:30 p.m. *Fleur De Lis B*

University of Texas at San Antonio
Reception: 6 – 8 p.m. *Madrid*

University of Washington
Reception: 8 – 10 p.m. *Batik A*

Friday, April 8

Oklahoma Association of Endodontists
Breakfast: 7 – 8:30 a.m. *Milan*

U.S. Navy Association of Endodontists
Breakfast: 7 – 9:30 a.m. *Morocco*

University of Toronto Endodontic Alumni and Friends Association
Breakfast Meeting: 7 – 9 a.m. *Travertine*

V.A. Long Beach Endodontic Residency Alumni
Breakfast: 7 a.m. *Manchester*

Saturday, April 9

Boston University
Breakfast: 7:30 – 9 a.m. *Morocco*

U.S.A.F. Association of Endodontics
Breakfast: 7 – 8:30 a.m. *Manchester*

Other Functions

Wednesday, April 6

Asian-Pacific Endodontic Confederation
Reception: 5 – 5:30 p.m. *Verandah Club*

College of Diplomates Board of Directors
Meeting: 4:30 – 6 p.m. *Library*

Endo Standards Group
Meeting: 1:30 – 5 p.m. *Madrid*

Thursday, April 7

African-American Endodontists
Reception: 8 – 10 p.m. *Dardenelles*

French Society of Endodontists
Reception: 7:30 – 9 p.m. *Verandah Club 1st Floor*

Harry J. Healy Endodontic Study Club
Reception: 6:30 – 8:30 p.m. *Fleur De Lis A*

International Federation of Endodontic Associations
Board of Directors *Madrid*
Meeting: 2 – 4 p.m.
Reception: 6:30 – 8 p.m. *Obelisk*

Friday, April 8

International Federation of Endodontic Associations
General Assembly and Continental *Miro*
Breakfast: 7 – 8:30 a.m.

Saturday, April 9

Endodontic Section of ADEA
Business Meeting: 2 p.m. *Coronado A*

Endodontic Section of Triple O Editorial Board
Breakfast: 7 – 8:30 a.m. *Library*

AAE Alliance Activities

Wednesday, April 6

Alliance Silent Auction

6:30 – 8:30 p.m. Peacock Terrace

Back by popular demand! Held in conjunction with the Welcome Reception, the proceeds from this event will benefit the AAE Foundation.

Thursday, April 7

Board of Directors Meeting

7 – 8 a.m. Morocco

Hospitality Suite Open

10 a.m. – noon

Friday, April 8

General Membership Meeting and Brunch

9 a.m. – noon Batik A/B

Eating Around the World

Karen Hickman and Nancy Sweet – Professional Courtesy

This presentation will introduce information on the history and rituals of dining and how they have developed over the centuries for Westerners and other cultures. Other topics that will be discussed include the basics of fine-dining etiquette, how to negotiate any table with ease and the different styles of eating.

Importance will be placed on increasing individual comfort levels in any dining situation. There will be a list of common dining faux pas and the opportunity for individual questions. Host and hostess duties for business or pleasure will also be included.

Social Etiquette/Dining for Business and Pleasure

1:30 – 5 p.m. Cortez C/D

Alliance members are invited to attend educational session A-200. Co-sponsored by the Alliance and the AAE, this session was designed for Professional, Auxiliary and Alliance attendees. Please refer to pages 37 and 40 for details.

Saturday, April 9

Hospitality Suite Open

9 a.m. – noon

AAE Alliance Officers

President

Jocelyn R. Lance (James)

Secretary

Karen Byron (Mark)

Treasurer

Robin Mann (Sheldon)

Local Chair

Charlene Boynton (Robert)

Immediate Past

President/Auction Chairman

Rebecca Funderburk (David)

Mark Your Calendars Now!

2005 Fall Conference

Taking the Pain Out of Endodontics- Contemporary Pharmacology

November 3 - 5

**The Registry Resort and Club,
Naples, Fla.**

Who says learning can't be fun?
Join the AAE and earn CE credits
while enjoying a long weekend in
this relaxing, tropical location!

Preliminary Program and Online Registration: August 2005

Visit www.aae.org for more information.



In Appreciation

The American Association of Endodontists appreciates the following companies that have generously supported the 2005 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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The AAE would like to recognize the following companies for their generous contributions to the hands-on workshops:

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SUCCESSFUL MANAGEMENT OF THE COMPROMISED TOOTH



Trinity II



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



C. John Munce, D.D.S.
Santa Barbara, Calif.



Gary B. Carr, D.D.S.
San Diego, Calif.



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



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



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



Charles J. Goodacre, D.D.S., M.S.D.
Loma Linda, Calif.

Continuing Education Committee:

- Kenneth J. Zucker, D.D.S., M.S., chair*
- Frederic Barnett, D.M.D.*
- Gerald N. Glickman, D.D.S., M.S., J.D.*
- Bradford R. Johnson, D.D.S.*
- Jarshen Lin, D.D.S.*
- William J. Nudera, D.D.S.*
- Mark O. Odom, D.D.S.*
- Asgeir Sigurdsson, D.D.S., M.S., ADA CERP representative*
- Clara M. Spatafore, D.D.S., M.S., Board liaison*

The Continuing Education Committee has developed this symposium featuring an international panel of experts who will share the newest studies and techniques incorporating good science, as well as years of clinical experience. With the introduction of new technologies and biocompatible materials, it has become possible for the clinician to successfully “resurrect” significantly compromised teeth. Evidence-based studies have enabled the practitioner to provide more realistic outcomes for patients. The recent popularity of dental implants has made it increasingly important for the endodontist to be knowledgeable in the latest advances in retaining the natural dentition, as well as alternative treatments.

This fast-moving but comprehensive symposium will begin with a welcome and brief introduction by Dr. Kenneth J. Zucker, chair of the Continuing Education Committee, followed by presentations focusing on evidence-based clinical decision-making and innovative techniques for managing difficult iatrogenic mishaps, resorptions, retreatment and disassembly, intentional replantation and compromised restorative situations.

AVAILABLE CE UNITS: 7

A copy of the Verification of Participation form is included in each attendee’s registration packet.

On-site registration, if available, will be accepted on Tuesday, April 5, during published registration hours. Registration on Wednesday morning will not be accepted.

Wednesday, April 6

- 7 – 8 a.m.** Continental Breakfast – Chantilly West
- 8 – 8:15 a.m.** Introduction
- 8:15 – 9:10 a.m.** The Outcomes of Endodontic Therapy of “Compromised” Teeth
- 9:10 – 10:05 a.m.** Clinical Complications Associated With Root Form Implants
- 10:05 – 10:30 a.m.** Break
- 10:30 – 11:25 a.m.** Retreatment of the Compromised Dentition
- 11:25 a.m. – 12:20 p.m.** Predictable Management of Iatrogenic Mishaps
- 12:20 – 1:30 p.m.** Lunch – Chantilly West
- 1:30 – 2:25 p.m.** Understanding, Diagnosing and Managing Root Resorption
- 2:25 – 3:20 p.m.** Intentional Replantation and Autotransplantation for Endodontically Compromised Teeth
- 3:20 – 3:45 p.m.** Break
- 3:45 – 4:40 p.m.** Okay, Houdini—What’s in the Bag? Preserving the Magic of Saving Compromised Teeth
- 4:40 – 5 p.m.** Question-and-Answer Session

THE OUTCOMES OF ENDODONTIC THERAPY OF “COMPROMISED” TEETH

Shimon Friedman, D.M.D.

The outcome of therapy is the basis for clinical decision-making, but it can be measured on different levels. This lecture will suggest appropriate outcomes for endodontic therapy, particularly in teeth affected by persistent disease. The pertinent literature will be reviewed with an emphasis on differentiating studies according to levels of evidence. The selected studies will then be analyzed to establish the outcomes of orthograde retreatment and apical surgery on the levels of health and functionality.

At conclusion, participants should be able to:

- Describe the significance of healing and functionality as appropriate outcomes of endodontic therapy, particularly in compromised teeth.
- Discuss the importance of, and the general guidelines for, differentiating studies based on levels of evidence.
- Quote the expected rates of healing and asymptomatic function after orthograde retreatment and apical surgery.

CLINICAL COMPLICATIONS ASSOCIATED WITH ROOT FORM IMPLANTS

Charles J. Goodacre, D.D.S., M.S.D.

This presentation will identify and discuss the most common clinical complications that occur in conjunction with endosseous root form implants. Incidence data will be provided based upon clinical studies and reports published throughout the world. The information contained in this presentation enhances the development of effective treatment plans, promotes optimal doctor-patient communications regarding anticipated outcomes, and facilitates the diagnosis of complications that can occur following treatment.

At conclusion, participants should be able to:

- Identify the types of complications that can occur in conjunction with endosseous root form implants.
- List the factors that are most likely to cause implant loss.
- Compare implant success as it relates to arch, type of prosthesis, the oral environment and systemic conditions.

RETREATMENT OF THE COMPROMISED DENTITION

Gary B. Carr, D.D.S.

This lecture will review and summarize the current literature on retreatment and how that literature impacts the clinical practice of endodontics. Clinical guidelines will be proposed that will assist practitioners in going through their decision tree when retreatment is an option in the treatment of compromised dentition. Particular attention will be given to considering how the role of implants enters into the treatment planning process and what factors the endodontist needs to be aware of when planning the treatment of complex cases where both retreatment and implants are viable options. A discussion of various clinical cases will illustrate the current dilemmas faced by endodontists in deciding whether to retreat or extract.

At conclusion, participants should be able to:

- Describe why retreatment is not always advisable.
- Recognize when implants enter into treatment planning.
- Describe the current state of their own knowledge about retreatment.

PREDICTABLE MANAGEMENT OF IATROGENIC MISHAPS

Arnaldo Castellucci, M.D., D.D.S.

With modern technology, it is much easier to address iatrogenic mishaps. The repair of a root perforation, removal of a broken instrument or bypass of a ledge is predictable today with the use of the operating microscope and biocompatible materials. This presentation will also discuss several different clinical retreatment procedures, including the removal of posts, gutta-percha and silver cones, and the prevention of iatrogenic mishaps.

At conclusion, participants should be able to:

- Describe the basics of a good treatment plan and decide when it is more appropriate to retreat nonsurgically than to perform a surgical procedure.
- Explain the clinical procedure to remove posts, gutta-percha and broken instruments.
- Describe the clinical procedure to repair a perforation.

UNDERSTANDING, DIAGNOSING AND MANAGING ROOT RESORPTION

Paul V. Abbott, M.D.S.

Many forms of internal and external root resorption exist. Clinicians must understand the different pathological and physiological processes involved in resorption so an accurate diagnosis can be made and appropriate management strategies can be adopted. Some resorptive processes can be prevented, some require no treatment, some require active and specific treatment to arrest the process and/or repair the defect, and some cannot be treated at all.

At conclusion, participants should be able to:

- Describe a classification system for the various resorptive processes that occur in teeth.
- Describe the physiological and pathological processes involved in root resorption.
- Apply this knowledge to diagnose and manage the various root resorption processes that occur in teeth.

INTENTIONAL REPLANTATION AND AUTOTRANSPLANTATION FOR ENDODONTICALLY COMPROMISED TEETH

Mitsuhiro Tsukiboshi, D.D.S., Ph.D.

Complex treatment plans often include situations where the choices of intentional replantation or autotransplantation have been overlooked. The indications, advantages and treatment techniques for these procedures will be presented, and the lecture will be extensively illustrated with clinical cases.

At conclusion, participants should be able to:

- Identify clinical solutions suitable for replantation and autotransplantation.
- Discuss the techniques for success in replantation and transplantation.
- Evaluate the expected outcomes of replantation and transplantation.

OKAY, HOUDINI—WHAT'S IN THE BAG? PRESERVING THE MAGIC OF SAVING COMPROMISED TEETH

C. John Munce, D.D.S.

“Mrs. Jones, wouldn't you prefer to upgrade from the old-style enamel/dentin/cementum model suspended in a periodontal ligament to this all-new, fully osseointegrated, plasma-sprayed titanium model?” If we lay down our hard-won tooth-saving skills, it will be to Mrs. Jones' detriment. This clinical, video-driven presentation will explore unique access, isolation and stabilization methods for managing severe coronal-radicular breakdown, canal wall irregularities, cracks and obstructions.

At conclusion, participants should be able to:

- Describe various techniques for gaining access to deep obstructions for removal or bypass.
- Explain various methods for achieving ideal isolation under the most complex of circumstances.
- List novel methods for reconstructing severely debilitated teeth and the specific instrumentarium for each.

EDUCATIONAL TRACKS

Track
AUXILIARY
TOPICS

Wednesday

A-100
That's What I Want!
1:30 – 3 p.m.
p. 24

A-100 continued
That's What I Want!
3:30 – 5 p.m.
p. 28

Thursday

A-200
Social Etiquette/Dining for
Business and Pleasure
1:30 – 3 p.m.
p. 37

A-200 continued
Social Etiquette/Dining for
Business and Pleasure
3:30 – 5 p.m.
p. 40

Friday

A-300
Dam-It, It's Easy! Workshop
9:45 – 11:15 a.m.
p. 44

A-300 continued
Dam-It, It's Easy! Workshop
2 – 3:30 p.m.
p. 48

A-301
Dealing With Difficult Patients/
Personality Disorders
9:45 – 11:15 a.m.
p. 45

A-302
Depression and Anxiety:
Symptoms and Management
2 – 3:30 p.m.
p. 48

Track
IMPLANTOLOGY

Implantology Track Sponsored by Nobel Biocare, Inc.

I-200
Evidence-Based Decision-
Making: Case Selection—
Implant or a Natural Tooth?
8 – 9:30 a.m.
p. 31

I-203
Strategies for Success With
Dental Implants: An
Introduction to Surgical
Placement Protocols Workshop
1:30 – 5 p.m.
p. 39

I-300
Strategies for Success With
Dental Implants: An
Introduction to Surgical
Placement Protocols Workshop
8 – 11:30 a.m.
p. 44

I-301
Perspectives on Implants
9:45 – 11:15 a.m.
p. 45

I-201
Immediate Loading of Implants:
The Next Level
10 – 11:30 a.m.
p. 34

I-204
Accelerated Dental Implants
3:30 – 5 p.m.
p. 41

I-302
Accelerated Dental Implants
3:30 – 5 p.m.
p. 41

I-202
The Application of Periodontal
Plastic Surgery in Standard and
Complex Implant Therapy in the
Esthetic Zone
1:30 – 3 p.m.
p. 37

P-100
The Magic Bullet: Pain Control
in 2005
1:30 – 3 p.m.
p. 25

P-100 continued
The Magic Bullet: Pain Control
in 2005
3:30 – 5 p.m.
p. 28

P-200
Pain From Endodontic and
Nondental Origin: Basic
Mechanisms, Differential
Diagnosis and Clinical
Management
8 – 9:30 a.m.
p. 32

P-202
Achieving Profound Mandibular
Anesthesia
1:30 – 3 p.m.
p. 38

P-201
Differential Diagnosis of
Pulpal Pain
10 – 11:30 a.m.
p. 35

P-203
Intraosseous Routes of
Injection Workshop
3:30 – 5 p.m.
p. 41

P-300
Endodontic Practice
Management: A Forum for
Endodontists and Their
Managers
9:45 – 11:15 a.m.
p. 46

Track
PAIN
CONTROL
MANAGEMENT
PRACTICE

PM-200
What Is Branding Anyway?
Why Should We Care?
8 – 9:30 a.m.
p. 32

PM-201
Endodontic Charting Software
1:30 – 3 p.m.
p. 38

PM-300
Endodontic Practice
Management: A Forum for
Endodontists and Their
Managers
9:45 – 11:15 a.m.
p. 46

PM-200 continued
What Is Branding Anyway? Why
Should We Care?
10 – 11:30 a.m.
p. 35

PM-202
Digital Radiography
3:30 – 5 p.m.
p. 41

PM-301
Private Practice Endodontics:
Growth, Characteristics and the
Future of Endodontic Care
9:45 – 11:15 a.m.
p. 47

PM-302
Practice Transition Strategies:
A Discussion for Endodontists
and Residents
2 – 3:30 p.m.
p. 48

PM-303
Principles of Office Design
2 – 3:30 p.m.
p. 49

<p>SP-100 Chlorhexidine in Endodontics 1:30 – 2:15 p.m. p. 24</p> <p>SP-101 Restoration of Endodontically Treated Teeth—Are Posts Still a Valid Treatment Option? 1:30 – 2:15 p.m. p. 24</p> <p>SP-102 ABE Boardwalk 1:30 – 3 p.m. p. 25</p> <p>SP-103 Diagnostic Odysseys: Tools, Science and Intuition 1:30 – 3 p.m. p. 25</p> <p>SP-113 Resident and New Practitioner Forum 1:30 – 3 p.m. p. 26</p> <p>SP-104 Taking the Twist Out of Nickel-Titanium Workshop 1:30 – 5 p.m. p. 27</p> <p>SP-105 Effectiveness of Different Solutions in the Elimination of <i>Enterococcus Faecalis</i> 2:15 – 3 p.m. p. 27</p>	<p>SP-106 Integrating Restorative and Endodontic Fundamental Concepts: A New Post System 2:15 – 3 p.m. p. 27</p> <p>SP-107 Diagnosis, Prognosis and Decision-Making in the Treatment of Combined Endodontic-Periodontal Lesions 3:30 – 4:15 p.m. p. 28</p> <p>SP-108 Ultrasonic Instrumentation in Endodontics 3:30 – 4:15 p.m. p. 28</p> <p>SP-109 Microscope-Centered Answers to Endo-Restorative Failures 3:30 – 5 p.m. p. 29</p> <p>SP-110 An Overview of Evidence-Based Dentistry: What, How and Why? 3:30 – 5 p.m. p. 29</p> <p>SP-111 Endodontic Microbiology: From Genomic Research to the Clinic 4:15 – 5 p.m. p. 30</p> <p>SP-112 Guidance Endodontic System 4:15 – 5 p.m. p. 30</p>	<p>SP-200 Intra- and Inter-Observers' Evaluation of the Radiographic Odontometry 8 – 8:45 a.m. p. 31</p> <p>SP-201 Maximizing Efficiency and Safety 8 – 8:45 a.m. p. 31</p> <p>SP-202 Digital Radiography Revisited 8:45 – 9:30 a.m. p. 33</p> <p>SP-203 Transition Planning for the Junior and Senior Endodontist 8:45 – 9:30 a.m. p. 33</p> <p>SP-204 An Update in Microscope Photography 10 – 10:45 a.m. p. 34</p> <p>SP-205 Unusual Case Reports 10 – 10:45 a.m. p. 34</p> <p>SP-206 Working Length: Analysis of Different Methodologies to Locate It 10:45 – 11:30 a.m. p. 36</p>	<p>SP-207 A Paradigm Shift in Endodontics: Endoimplantology 10:45 – 11:30 a.m. p. 36</p> <p>SP-208 Nickel-Titanium Instrumentation: The Forgotten Dimension 1:30 – 2:15 p.m. p. 36</p> <p>SP-209 Hands-On Suturing Workshop 1:30 – 5 p.m. p. 39</p> <p>SP-210 The Dark Side of Technology: Endodontic Mishaps and Clinical Calamities 2:15 – 3 p.m. p. 40</p> <p>SP-211 Apical Approach to the Palatal Root During Endodontic Microsurgery 3:30 – 4:15 p.m. p. 40</p> <p>SP-212 Testing the Limits of Endodontic Treatment 3:30 – 5 p.m. p. 42</p> <p>SP-213 The Hidden Anatomy of the Bifurcated Maxillary Premolar 4:15 – 5 p.m. p. 43</p>	<p>SP-300 Gutta-Percha: The End of an Era? 9:45 – 11:15 a.m. p. 47</p> <p>SP-301 The Biological Basis for Diagnosis and Treatment Planning 9:45 – 11:15 a.m. p. 47</p> <p>SP-302 Repair of Endodontically Treated Teeth Having Internal Partial Vertical Root Fractures 2 – 3:30 p.m. p. 49</p>	<p>SP-303 Educator Forum: Developing “Foundation Knowledge” for Predoctoral Endodontic Curricula 2 – 3:30 p.m. p. 49</p> <p>SP-304 mCT Imaging in Endodontics 2 – 3:30 p.m. p. 50</p>
<p>S-100 Surgical Endodontics: An Introspective and Dynamic Overview 1:30 – 3 p.m. p. 26</p>	<p>S-101 The Outcomes of Apical Surgery and Their Predictors 3:30 – 5 p.m. p. 29</p>	<p>S-200 The Biology of Soft Tissue Management 8 – 9:30 a.m. p. 32</p> <p>S-201 The Biology of Hard Tissue Management 10 – 11:30 a.m. p. 35</p>	<p>S-202 The Biology of Wound Closure and Wound Healing 1:30 – 3 p.m. p. 38</p> <p>S-203 Intentional Replantation: The <i>In Vivo</i> Surgical Alternative 3:30 – 5 p.m. p. 42</p>	<p>T-200 Management of Crown and Root Fractures 8 – 9:30 a.m. p. 33</p> <p>T-200 continued Management of Crown and Root Fractures 10 – 11:30 a.m. p. 35</p>	<p>T-201 Root Resorption and Treatment of Avulsed Teeth 1:30 – 3 p.m. p. 39</p> <p>T-201 continued Root Resorption and Treatment of Avulsed Teeth 3:30 – 5 p.m. p. 42</p>
<p>S-10 Endodontic Microsurgery Workshop 8 a.m. – 5 p.m. p. 23</p>	<p>T-100 Risk Factors for Dental Trauma: Transitioning From Knowledge to Prevention 1:30 – 3 p.m. p. 26</p>	<p>T-300 Esthetic Considerations After Traumatic Injuries 8 – 9:30 a.m. p. 44</p> <p>T-300 continued Esthetic Considerations After Traumatic Injuries 9:45 – 11:15 a.m. p. 48</p>	<p>T-301 Conservative and Esthetic Restoration of Fractured Anterior Teeth With Composite Resins Workshop 2 – 3:30 p.m. p. 50</p> <p>T-302 Placement of MTA Workshop 2 – 3:30 p.m. p. 50</p>	<p>T-301 Esthetic Considerations After Traumatic Injuries 8 – 9:30 a.m. p. 44</p> <p>T-302 Placement of MTA Workshop 2 – 3:30 p.m. p. 50</p>	<p>T-301 Conservative and Esthetic Restoration of Fractured Anterior Teeth With Composite Resins Workshop 2 – 3:30 p.m. p. 50</p> <p>T-302 Placement of MTA Workshop 2 – 3:30 p.m. p. 50</p>

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Triple Your Fun With the Foundation Auctions!



Proceeds from all auctions benefit the AAE Foundation

Foundation Live Auction

5 – 6 p.m., Thursday, April 7

Bidding opens at 5:30 p.m.

Trinity I

Bid on quality endodontic products with a value of \$5,000 or more donated by a number of exhibitors.

NEW! Silent Product Auction

Bidding opens at 10 a.m. on Thursday, April 7,

and closes at 4 p.m. on Friday, April 8

Trinity I

Exhibitors will have the available products, valued up to \$5,000, on display throughout the exhibit hall. To participate, register with a Foundation representative at the AAE Oasis in the Trinity Foyer.

Alliance Silent Auction

6:30 – 8:30 p.m., Wednesday, April 5

Peacock Terrace

A number of fabulous member-donated items will be available, including fine jewelry, vacation packages, art and much more!

Held in conjunction with the Annual Session Welcome Reception, a casual, outdoor festivity.

Featuring products from...

Coltene/Whaledent

Dentsply Tulsa Dental

Discus Dental Software

ie2.com

Endure Medical, Inc.

IntraFlow by IntraVantage

Kodak Dental Systems

Lexi-Comp Publishing

Obtura/Spartan

Quintessence Publishing Co.

Schick Technologies

SybronEndo

Ultradent Products

Zeiss Surgical

8 a.m. – 5 p.m.

ENDODONTIC MICROSURGERY WORKSHOP

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

An additional fee is required to attend this course.

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

This session will not be recorded.

S-10

De Soto A/B



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



SP-100

Coronado A

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



1:30 – 2:15 p.m.

CHLORHEXIDINE IN ENDODONTICS

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

Alternative intracanal medicaments have been sought to improve the eradication of bacteria before obturation. In recent years, chlorhexidine-gluconate (CHX) has emerged as an effective antimicrobial medicament in endodontic treatment. The aim of this presentation is to discuss the physicochemical and antibacterial properties of CHX as an irrigant and as an intracanal medicament in different concentrations and combinations.

At conclusion, participants should be able to:

- Identify the properties of CHX as an irrigant and as an intracanal medicament.
- Describe advantages and disadvantages of the common intracanal medicaments and irrigants.
- Identify various medicament compositions desirable for differing applications.

SP-101

Coronado B/C/D

Oliver Pontius,
D.M.D., M.S.D.
Bad Homburg, Germany



RESTORATION OF ENDODONTICALLY TREATED TEETH—ARE POSTS STILL A VALID TREATMENT OPTION?

Moderator: Alessandra L. Ritter, D.D.S., M.S., Chapel Hill, N.C.

The lecture will give an overview of modern treatment concepts when restoring endodontically treated teeth. Topics to be discussed include the rationale for and against the use of posts and various post materials. Many clinical situations will be addressed showing alterations in the treatment plan depending on the individual case by giving reference to the most relevant literature.

At conclusion, participants should be able to:

- Identify the most important parameters when restoring endodontically treated teeth.
- Describe factors critical to improving clinical outcomes.
- Identify appropriate treatment for different clinical situations.

A-100

Grand A/B

David M. Reznik,
D.D.S.
East Point, Ga.



1:30 – 3 p.m.

THAT'S WHAT I WANT!

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

“That’s what I want!” is what patients, team members and doctors say when the practice speaks one clear message with one clear voice. By understanding what motivates doctors and what inspires team members, we can grasp what propels patients to say, “Yes!,” over and over again. This program will imbue the entire team with consistent, powerful verbal skills and help the practice fulfill the dream of modern dentistry through trust and understanding.

At conclusion, participants should be able to:

- Replace “dead” words and phrases with dynamic expressions that patients clearly understand and appreciate.
- Create an ongoing system of improving practice communications through a proven system of verbal cue cards.
- Recognize and respect the needs and wants of the doctor, the team members and the patients as all-inclusive and all-important to the success of any dental practice.

THE MAGIC BULLET: PAIN CONTROL IN 2005

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

This session is designed to provide a strong overview of the pain world in the 21st century. The objectives are to provide a biological understanding of pain mechanisms to be able to better diagnose and treat pain, to provide an understanding of the role of genetics in being predisposed to pain conditions and in understanding patients' responses to drugs, and to provide an overview of the next generation of analgesics.

At conclusion, participants should be able to:

- Explain the biology of endodontic hyperalgesia and allodynia, and use this knowledge for diagnosis and treatment.
- Describe the role of patients' genes as a risk factor for pain and in their response to analgesics.
- List the next generation of analgesics and how they work.

ABE BOARDWALK

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 and Oral Examination) will be discussed and suggestions will be 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.

Additional Presenters – American Board of Endodontics Board of Directors:

<i>William G. Schindler, D.D.S., M.S.</i>	<i>Keith V. Krell, D.D.S., M.S., M.A.</i>
<i>J. Craig Baumgartner, D.D.S., M.S., Ph.D.</i>	<i>Linda G. Levin, D.D.S., Ph.D.</i>
<i>Carl W. Newton, D.D.S., M.S.D.</i>	<i>Al Reader, D.D.S., M.S.</i>
<i>Paul A. Rosenberg, D.D.S.</i>	<i>Christopher S. Wenckus, D.D.S.</i>

DIAGNOSTIC ODYSSEYS: TOOLS, SCIENCE AND INTUITION

Moderator: James Guttuso, D.D.S., Delray Beach, Fla.

Pulpal and periradicular diagnoses are of critical importance; however, currently available techniques are extremely limited. What do we do when our tests conflict or we cannot reproduce a chief complaint? This presentation will focus on a scientific explanation of today's diagnostic armamentaria. Diagnostic algorithms will be constructed based upon test results, biology, scientific literature and intuition to enhance the clinician's ability to make accurate diagnoses. Clinical cases will be highlighted to illustrate these concepts.

At conclusion, participants should be able to:

- Describe current classifications of pulpal and periradicular disease and identify the best tools for establishing diagnosis.
- Incorporate diagnostic algorithms in clinical practice.
- Discuss future trends in the science of diagnosis.

P-100

Chantilly East



B. Ellen Byrne, D.D.S., Ph.D.
Richmond, Va.



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



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

SP-102

Cortez A



Paul D. Eleazer, D.D.S., M.S.
President, American Board of Endodontics
Birmingham, Ala.

SP-103

Cortez C/D



Alexandre A.P. Fleury, D.D.S., M.S.
Plano, Texas

1:30 – 3 p.m. (continued)

S-100

Grand D/E

SURGICAL ENDODONTICS: AN INTROSPECTIVE AND DYNAMIC OVERVIEW



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



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

Surgical principles and directives have undergone significant changes in the past few decades. This presentation will bring the participant from the recorded beginnings of surgical endodontic intervention to present-day concepts. While highlighting key perspectives within the evolution of this discipline, perplexing challenges for the future will be addressed. The role that this modality plays in the retention of teeth will be addressed relative to integrated treatment planning and its relationship to nonsurgical intervention.

At conclusion, participants should be able to:

- Discuss the historical development of surgical endodontics as it relates to contemporary practice.
- Identify pivotal developments in the history of surgical endodontics that resulted in significant changes in treatment concepts and treatment delivery.
- Discuss present-day surgical principles, identifying key biological and clinical issues that provide a rationale for these principles.

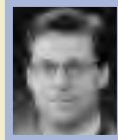
T-100

Stemmons

RISK FACTORS FOR DENTAL TRAUMA: TRANSITIONING FROM KNOWLEDGE TO PREVENTION

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

Daniel J. Caplan, D.D.S., Ph.D.
Chapel Hill, N.C.



Many studies document the prevalence of dental trauma, and most report similar findings. Because important risk factors for dental trauma are well known, the logical next step involves designing intervention studies to evaluate how the incidence of dental trauma might be decreased. The existing literature on prevalence and risk factors for dental trauma will be reviewed and suggestions will be made for how this area of scientific inquiry might be advanced.

At conclusion, participants should be able to:

- Identify risk factors for dental trauma.
- Summarize how the knowledge base about the epidemiology of dental trauma can transition from description of existing problems to successful intervention efforts.
- Identify the increased risk for multiple dental trauma episodes.

Ulf Glendor, D.D.S., Ph.D.
Linköping, Sweden



SP-113

Miro

RESIDENT AND NEW PRACTITIONER FORUM

The AAE wants to hear from you! The Resident and New Practitioner Committee was created to promote communication among residents across the country and to prepare the AAE's newest members to be its future leaders. Join the committee for a lively panel discussion focused on developing activities and programs especially for residents and new endodontists. Learn about current committee initiatives, share your ideas and opinions and hear about activities of interest at other endodontic programs. This interactive session is a first step in discovering how to make a smooth transition from school to specialty practice.

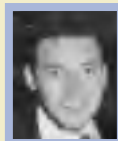
At conclusion, participants should be able to:

- Explain how to network with residents across the country.
- Describe how to contribute to current initiatives for residents and new practitioners, and how to affect future changes to their practices and profession.
- Identify how the AAE will incorporate activities for residents and new practitioners into future programs.

Additional Presenters – Resident and New Practitioner Committee:

Jessica L. Barr, D.D.S. *Jeffrey Minchau, D.D.S.*
Philip A. Jensen, D.D.S. *William K. Morgan, D.D.S., M.S.*
Judy D. McIntyre, D.M.D.

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



1:30 – 5 p.m.

TAKING THE TWIST OUT OF NICKEL-TITANIUM WORKSHOP

Moderator: Ove A. Peters, D.M.D., Zurich, Switzerland

An additional fee is required to attend this course.

Study of shaping videos and testing of a new nickel-titanium endodontic file system have proven the helical spiral, present on virtually all files, is a design element that causes nearly all rotary shaping problems. Learn how a nonspiraled instrument can give the clinician complete control during the shaping process. In addition, discover how this nonspiraled design accommodates a wide range of techniques and shaping speeds. Evidence from a year of clinical usage will be presented to illustrate the nonspiral systems effectiveness and relative safety. After a lecture disclosing the merits and limitations, each participant will be given the opportunity to shape plastic canals and extracted teeth with this new file system. The speaker and several clinicians who are currently using the file system will assist the participants with the hands-on portion.

At conclusion, participants should be able to:

- Explain the influence a spiral design has upon debris management.
- Describe the influence speed has over required shaft torque.
- Discuss how .02 tapers give nickel-titanium a flexibility advantage that is lost with .04 and larger tapers.

This session will not be recorded.

2:15 – 3 p.m.

EFFECTIVENESS OF DIFFERENT SOLUTIONS IN THE ELIMINATION OF *ENTEROCOCCUS FAECALIS*

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

This session will review the need for bacteria-free canals in endodontic success and the known methods to achieve that goal. The authors will present the results of *in vitro* studies with different irrigating solutions to try to improve the elimination of *E. Faecalis* from the root canal. Topics to be discussed include the appropriateness of the test methods used, the effectiveness of a combination of different irrigating solutions during the treatment and the clinical relevance of the results obtained.

At conclusion, participants should be able to:

- Discuss the need for bacteria-free canals to achieve endodontic success.
- Describe how the use of different irrigating solutions in different concentrations and temperatures can improve cleaning of the root canal system.
- Compare and contrast the actions, including side effects and risks, associated with the various irrigating solutions proposed.

INTEGRATING RESTORATIVE AND ENDODONTIC FUNDAMENTAL CONCEPTS: A NEW POST SYSTEM

Moderator: Alessandra L. Ritter, D.D.S., M.S., Chapel Hill, N.C.

This presentation will demonstrate the rationale of post design. A review of the literature of currently marketed post systems and the effect post design has on root structure results in a rationale for modification to current designs. Results of current evidence-based research on a new post system are unveiled in a format that highlights the simplicity, efficiency and safety of its design concept, followed by an outline of steps required for clinical use.

At conclusion, participants should be able to:

- List the advantages of incorporating this new post system in their daily practice.
- Describe the ease of use and the potential procedural errors on post preparation.
- Identify the clinical significance of the new post system.

This session will not be recorded.

SP-104

Cortez B



James B. Roane, D.D.S., M.S.
Oklahoma City, Okla.

SP-105

Coronado A



Fernando Durán-Sindreu, D.D.S., M.Sc.
Barcelona, Spain



Miguel Roig-Cayón, D.D.S., M.D.
Barcelona, Spain

SP-106

Coronado B/C/D



Enrique Kogan, D.D.S.
Mexico City, Mexico



Sergio Kuttler, D.D.S.
Ft. Lauderdale, Fla.



John F. Peters, D.D.S.
Cooper City, Fla.

SP-107

Coronado B/C/D

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



3:30 – 4:15 p.m.

DIAGNOSIS, PROGNOSIS AND DECISION-MAKING IN THE TREATMENT OF COMBINED ENDODONTIC-PERIODONTAL LESIONS

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

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

At conclusion, participants should be able to:

- Describe the anatomical pathways of communication between the pulp and the periodontium, and the etiologic and contributing factors of endodontic-periodontal diseases.
- Compare the relevant clinical tests and diagnostic procedures.
- Describe factors to consider toward differential diagnosis and treatment decision-making.

This session will not be recorded.

SP-108

Cortez C/D

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



ULTRASONIC INSTRUMENTATION IN ENDODONTICS

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

Ultrasonic instruments are a valuable asset in our armamentarium for root canal access, canal location and removing separated instruments, because the tips facilitate uncompromised vision. The comparison of more than 20 ultrasonic tips used on three ultrasonic units offers attendees important information regarding the tips that work best with specific ultrasonic units, and whether other units are more effective with favored tips.

At conclusion, participants should be able to:

- Identify which ultrasonic tips work best with specific ultrasonic units.
- Preserve tip life and prevent tip breakage.
- List the proper uses for various ultrasonic tips.

A-100 (cont.)

Grand A/B

THAT'S WHAT I WANT!

David M. Reznik, D.D.S.

East Point, Ga.

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

See page 24 for a complete session synopsis.

P-100 (cont.)

Chantilly East

THE MAGIC BULLET: PAIN CONTROL IN 2005

B. Ellen Byrne, D.D.S., Ph.D.

Richmond, Va.

Raymond Dionne, D.D.S., Ph.D.

Bethesda, Md.

Karl Keiser, D.D.S., M.S.

San Antonio, Texas

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

See page 25 for a complete session synopsis.

MICROSCOPE-CENTERED ANSWERS TO ENDO-RESTORATIVE FAILURES

Moderator: Julian R.D. Moiseiwitsch, B.D.S., Ph.D., Washington, D.C.

The restoration of endodontically treated teeth remains one of the weak links in dentistry. Clinicians can learn much from failures, yet endodontists rarely see the failures of the teeth they treat. Topics to be covered in this microscope-centered lecture include: failure festival, doing the right thing—no more temporaries, identification and treatment planning, high-risk cases, dispelling endo-restorative myths, esthetic crown access repair and endo-restorative casting.

At conclusion, participants should be able to:

- Discuss the most common causes of restorative and endo-restorative failures of endodontically treated teeth.
- Describe the role of the operating microscope in restoring endodontically treated teeth.
- Predictably retain borderline teeth that need not be extracted.

AN OVERVIEW OF EVIDENCE-BASED DENTISTRY: WHAT, HOW AND WHY?

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

At a time when the public is asking that their health care be based on the expertise and experience of a trusted health care provider, the best scientific evidence available to support the care provided and the preferences of the patient should also be considered. It is essential that the oral health care provider have a good understanding of what evidence-based dentistry is, how it is determined and why it is important in the practice of dentistry. This very beneficial presentation will address each of these aspects of evidence-based dentistry.

At conclusion, participants should be able to:

- Discuss the importance of utilizing the best scientific evidence to support dental care decisions.
- Define what evidence-based dentistry is and is not.
- Describe what an evidence-based systematic review is and how it differs from a narrative review.

THE OUTCOMES OF APICAL SURGERY AND THEIR PREDICTORS



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

The outcome of treatment, which is the basis for clinical decision-making, can be measured on different levels. This lecture will suggest appropriate outcomes for apical surgery in root-filled teeth presenting with persistent disease. The extensive literature addressing the “success” of apical surgery will be reviewed, and studies selected according to levels of evidence will be identified. The selected studies will then be analyzed to establish the outcomes of apical surgery on the levels of health and functionality.

At conclusion, participants should be able to:

- Describe the significance of healing and functionality as appropriate measures for outcome assessment after apical surgery.
- Discuss the importance of and the general guidelines for differentiating studies based on levels of evidence.
- Quote the expected rates of healing and asymptomatic function, and the main predictors of outcome after apical surgery.

SP-109

Coronado A



David J. Clark, D.D.S.
Tacoma, Wash.



John A. Khademi, D.D.S., M.S.
Durango, Colo.

SP-110

Cortez A



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

S-101

Grand D/E



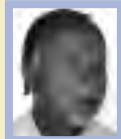
Shimon Friedman, D.M.D.
Toronto, Ontario, Canada

3:30 – 5 p.m. (continued)

T-101

Stemmons

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



EFFECT OF TREATMENT DELAY ON HEALING OF TRAUMATIC DENTAL INJURIES

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

For a long time, it has been considered a must to treat all traumatic dental injuries on an acute basis. Recently, a systematic review of the literature has shown that this is not the case. In this presentation, factors such as bacteria invasion and wound-healing processes will be described as they relate to treatment delay.

At conclusion, participants should be able to:

- Describe the effects of treatment delay on pulpal and periodontal healing.
- Identify treatment delay factors in various trauma entities.
- Compare and contrast the actions, including side effects and risks, associated with various NSAIDS.

This session will not be recorded.

4:15 – 5 p.m.

SP-111

Coronado B/C/D

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



ENDODONTIC MICROBIOLOGY: FROM GENOMIC RESEARCH TO THE CLINIC

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

In the past several decades, there have been remarkable advances in the science of microbiology and in oral microbial research. Today, the detection and identification of micro-organisms, their virulence factors and resistance to antimicrobial treatments are different than they were in the past. This presentation will address recent advances in microbial research and demonstrate how this research could benefit clinicians of today and tomorrow.

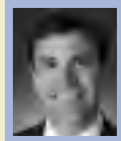
At conclusion, participants should be able to:

- Identify the strengths and weaknesses of different methods of identifying micro-organisms.
- Describe the potential use of newer technologies in microbiology for clinical endodontics.
- Explain the complexity of clinical problems.

SP-112

Cortez C/D

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



GUIDANCE ENDODONTIC SYSTEM

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

Recent improvements in nickel-titanium metallurgy and file manufacturing make it possible to produce a superior nickel-titanium rotary file system. This session will detail how that system was developed and how to use it. The nickel-titanium rotary file system is a set of three files designed to create deeper apical preparations and allow the dentist to complete root canals using only two-three rotary files.

At the conclusion, participants should be able to:

- Describe how the improvements allow for a more advanced nickel-titanium rotary file system.
- List the advantages of the advanced nickel-titanium rotary file system.
- Report on how to use the guidance endodontic system.

8 – 8:45 a.m.

INTRA- AND INTER-OBSERVERS' EVALUATION OF THE RADIOGRAPHIC ODONTOMETRY

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

This presentation will evaluate the intra- and inter-observers' agreement at interpretation of radiograph working lengths. Topics to be discussed include agreement between intra-examiners and inter-examiners in working length analysis, and a review of the radiographic working length. The causes of mistakes in the execution of work length measurement will also be discussed.

At conclusion, participants should be able to:

- Describe intra- and inter-observers' agreement at interpretation of radiographic working lengths.
- Describe the standardization in the evaluation of radiographic working length and prevent mistakes in diagnosis.
- Apply the acquired knowledge to obtain a standardized interpretation of radiographic working length.

MAXIMIZING EFFICIENCY AND SAFETY

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

This course will give the participant specific recommendations about how to maximize the efficiency and safety of rotary nickel-titanium file use with an eye toward minimizing iatrogenic outcomes. Specific file designs will be discussed. Design features and the relationship to their function will also be emphasized. Recommendations will be made with regard to providing sound principles rather than advocacy for a particular system.

At conclusion, participants should be able to:

- Describe effective rotary nickel-titanium file utilization.
- Prevent iatrogenic events related to rotary use.
- List indications and contraindications for rotary nickel-titanium file utilization.

8 – 9:30 a.m.

EVIDENCE-BASED DECISION MAKING/CASE SELECTION: IMPLANT OR A NATURAL TOOTH?

Moderator: Gerald N. Glickman, D.D.S., M.S., J.D., Dallas, Texas

Endodontists, periodontists and restorative dentists face frequent dilemmas regarding the treatment of compromised teeth. Clinicians now have a greater ability to salvage debilitated teeth, but with the advent and predictability of implants, there may be a decreased need to do so. In turn, clinical decision-making regarding appropriate treatment for the patient is becoming increasingly complex, given such viable alternatives. This interactive session will focus on a myriad of clinical cases with a variety of treatment options. Participants will be able to select their choice of treatment via the use of keypads. Results will be immediately displayed and discussed in a point-counterpoint format. Evidence-based dentistry, including scientific literature, biology and clinical expertise will be used to support various approaches.

At conclusion, participants should be able to:

- Discuss the rationale and complications in retaining compromised teeth, and analyze clinical scenarios with respect to endodontic, periodontal and restorative issues.
- Discuss situations where conventional endodontic and restorative options are not very predictable.
- Apply principles of scientific evidence, clinical expertise, patient needs and economics in determining various modes of treatment.

Portions of this session will involve interactive participation from the audience through the use of keypads.

SP-200

Grand A/B



**Fábio Luiz Cunha
D'Assunção, D.D.S., M.D.**
João Pessoa, Brazil

SP-201

Cortez C/D



Richard E. Mounce, D.D.S.
Portland, Ore.

I-200

Chantilly East



**Frank L. Higginbottom,
D.D.S.**
Dallas, Texas



**Hedley Rakusin,
B.D.S., M.Sc.**
Dallas, Texas

8 – 9:30 a.m. (continued)

P-200

Coronado A

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



PAIN FROM ENDODONTIC AND NONDENTAL ORIGIN: BASIC MECHANISMS, DIFFERENTIAL DIAGNOSIS AND CLINICAL MANAGEMENT

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

This presentation will include a review of the basic neuroanatomy and pain physiology of the trigeminal system. The mechanisms of heterotopic pains, including central, projected and referred, will be explained. The clinical characteristics of the most common pain entities that mimic a toothache will be described. Basics on their management and aspects of proper referral will be discussed. Details on how to effectively gather a thorough history of the patient's pain complaint will be explained.

At conclusion, participants should be able to:

- Identify the basic mechanisms of heterotopic pain.
- Describe some of the more common or serious pain entities that mimic a toothache.
- Take a pain history from a patient developing a differential diagnosis of orofacial pain of pulpal and nonpulpal origin.

PM-200

Stemmons

M. Richard Wadley
Long Beach, Calif.



WHAT IS BRANDING ANYWAY? WHY SHOULD WE CARE?

Moderator: Brian Lee, D.M.D., Annandale, Va.

The first half of this session will focus on what branding is all about, and why and how it works, in endodontic practices and other venues. The goal is to de-mystify the concept by helping you understand how pervasive branding is in all segments of business and life, including an endodontic practice, and that it is critical for maximizing success. Anecdotes and examples of successful and unsuccessful branding will be reviewed, focusing on why the concept worked, or why it failed to meet expectations. The second half of the lecture will build upon the first session, explaining how to incorporate branding into your practice. Specific steps will be discussed that will help you build a unique brand, develop long-term appeal and credibility for your practice, enhance your reputation and profitability, and bring in more patients.

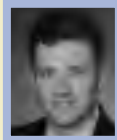
At conclusion, participants should be able to:

- Describe branding and how it works.
- Discuss how branding is a major tool in building a successful and profitable endodontic practice.
- Describe specific steps that can be taken to begin building a world-class practice brand.

S-200

Grand D/E

Richard A. Ellis, B.D.S.
Dallas, Texas



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



THE BIOLOGY OF SOFT TISSUE MANAGEMENT



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

A comprehensive knowledge of the biological principles involved in the management of the tissues is essential in optimizing the outcome of surgery. This presentation explores the biological effect of the various choices of materials and techniques for surgery. The focus of this presentation will be to critically examine the impact of soft tissue management during endodontic surgery.

At conclusion, participants should be able to:

- Identify soft tissue anatomical structures located in the surgical field.
- Compare and contrast various soft tissue surgical access options.
- Identify the general principles of flap design tissue reflection and guided tissue regeneration, and understand when guided tissue regeneration is a useful adjunct in surgery.

MANAGEMENT OF CROWN AND ROOT FRACTURES

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

This session will describe the conditions and treatment required to maintain pulp vitality after uncomplicated and complicated crown fracture. When pulp vitality is lost in teeth with immature roots, traditional and new techniques will be described to create a barrier at the apex and strengthen the root walls. Horizontal root fractures from traumatic dental injuries are often mismanaged because of diagnostic failures and lack of information. However, if treated correctly, the outcome can be extremely good. Diagnostic and treatment essentials will be presented.

At conclusion, participants should be able to:

- Describe the essential requirements for maintaining pulp vitality after crown fractures.
- Describe the advantages of newer techniques in creating apical barriers and strengthening the root in immature teeth where the pulp has become necrotic.
- Identify the essential diagnostic and management requirements for successful outcomes for root fractured teeth.

This session will not be recorded.

8:45 – 9:30 a.m.

DIGITAL RADIOGRAPHY REVISITED

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

Advances in technology develop faster 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 in radiography. Participants will see the evolution of digital radiography and its impact on the everyday endodontic practice. Practitioners will discover and understand the current systems on the market today. A look into specific types of scans will give a preview of future technologies that are a blink away.

At conclusion, participants should be able to:

- Describe what digital radiography is, how it works and why it is important.
- List the advantages and disadvantages of digital radiography versus conventional x-ray films.
- Identify current and future technologies and how they will affect the way we practice.

TRANSITION PLANNING FOR THE JUNIOR AND SENIOR ENDODONTIST

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

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

At the conclusion, participants should be able to:

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

T-200

Coronado B/C/D



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



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



Shahrokh Shabahang, D.D.S., M.S., Ph.D.
Loma Linda, Calif.

SP-202

Grand A/B



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

SP-203

Cortez C/D



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

10 – 10:45 a.m.

SP-204

Grand A/B

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



AN UPDATE IN MICROSCOPE PHOTOGRAPHY

Moderator: Neville J. McDonald, B.D.S., M.S., Ann Arbor, Mich.

This session will review the principles of digital microscope photography. In addition, the latest camera and mount options will be reviewed and compared. Specifically, the advantages and disadvantages of the fixed-lens prosumer cameras will be compared to those of the SLR-type camera. There will also be a discussion of the pros and cons of ring flash versus a xenon light source when using the SLR-type camera.

At conclusion, participants should be able to:

- Describe the advantages and disadvantages of the latest microscope photography equipment, including the differences between prosumer and SLR-type cameras.
- Explain the four major skills required to acquire high-quality images from the microscope.
- Describe the appropriate use of computer software in post processing of digital images.

SP-205

Cortez C/D

Alan J. Nevins, D.D.S.
Southampton, N.Y.



UNUSUAL CASE REPORTS

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

Due to the infrequent occurrence of unusual cases, clinical endodontists may be uncertain about their diagnosis and treatment planning. A successful outcome will depend on a pre-emptive approach in understanding etiology, as well as technical excellence in treatment. Root fractures, perio-endo pathology and nonodontogenic periapical lesions are a few sources of these potential enigmas. Criteria influencing the decision to endodontically treat or to extract teeth will be discussed.

At conclusion, participants should be able to:

- Evaluate and assimilate clinical information and radiographic images.
- List inconsistencies in signs and symptoms that make the occurrence of nonendodontic lesions likely.
- Assess whether to extract or treat teeth endodontically.

10 – 11:30 a.m.

I-201

Chantilly East

Stephen Parel, D.D.S.
Dallas, Texas



**R. Gilbert Triplett,
D.D.S., Ph.D.**
Dallas, Texas



IMMEDIATE LOADING OF IMPLANTS: THE NEXT LEVEL

Moderator: Susana M. Bruce, D.D.S., Flower Mound, Texas

While the concept of immediately loading implants has become both popular and scientifically valid for several clinical applications, recent advances in technology have created a new level of possibilities. Edentulous reconstructions based on presurgical computer planning of implant placement and medical modeling from CT scans can now reduce the actual clinical time for surgery and final prosthesis delivery to less than one hour in selected patients. Scalloped margin implants designed for interproximal bone maintenance or single-piece implants placed with flapless surgery can also be immediately loaded in partially edentulous or single-tooth situations with significant improvements in esthetics, comfort and patient convenience. This presentation will review current trends and recent advances in this field with an emphasis on the supporting literature and relevant clinical procedures.

At conclusion, participants should be able to:

- Identify the basic principles of the immediate loading concept.
- Describe the influence of surgical and prosthetic procedures on immediately loaded implant success.
- Apply this knowledge using current and developing concepts of immediate loading.

DIFFERENTIAL DIAGNOSIS OF PULPAL PAIN

Moderator: B. Ellen Byrne, D.D.S., Ph.D., Richmond, Va.

Every pain patient should force us to ask, "What if it is not a toothache? What could it be?" To answer these questions, this presentation will provide a practical overview of how to establish a differential diagnosis of odontalgia. We will review biologically based diagnostic tests that differentiate odontogenic from nonodontogenic pain; common nonodontogenic pain diagnoses, including their key characteristics and treatment approaches; and patient case reports that illustrate these concepts.

At conclusion, participants should be able to:

- Describe how nonodontogenic pain occurs and how to use this knowledge to interpret diagnostic tests.
- Establish differential diagnoses of pain patients.
- Describe the most common forms of nonodontogenic pain.

WHAT IS BRANDING ANYWAY? WHY SHOULD WE CARE?

M. Richard Wadley

Long Beach, Calif.

Moderator: Brian Lee, D.M.D., Annandale, Va.

See page 32 for a complete session synopsis.

THE BIOLOGY OF HARD TISSUE MANAGEMENT



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

A key objective of surgical endodontic procedures is the correct management of the bone, cementum and dentin of the periodontal architecture. A thorough understanding of the biological principles involved in the manipulation of these hard tissues will critically influence the potential for regeneration of the periodontium, and hence, affect the overall prognosis for the case. The choice of appropriate techniques and materials for the surgical procedure will, in turn, depend on a good understanding of the biology of the tissues.

At conclusion, participants should be able to:

- Explain the hard tissue biological factors that influence choice of surgical techniques and instruments.
- Discuss the tissue response to the use of local hemostatic agents and to root-end filling materials, including osteogenesis and cementogenesis.
- Decide when to use bone substitute materials and which materials to use.

MANAGEMENT OF CROWN AND ROOT FRACTURES

Leif K. Bakland, D.D.S.

Loma Linda, Calif.

Frederic Barnett, D.M.D.

Narberth, Pa.

Shahrokh Shabahang, D.D.S., M.S., Ph.D.

Loma Linda, Calif.

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

See page 33 for a complete session synopsis.

P-201

Coronado A



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

San Antonio, Texas

PM-200 (cont.)

Stemmons

S-201

Grand D/E



Richard A. Ellis, B.D.S.

Dallas, Texas



**John D. Regan, B.D.Sc.,
M.Sc., M.S.**

Dallas, Texas

T-200 (cont.)

Coronado B/C/D

10:45 – 11:30 a.m.

SP-206

Grand A/B

**José Rufino Bueno
Martínez, D.D.S., Ph.D.**
Barcelona, Spain



WORKING LENGTH: ANALYSIS OF DIFFERENT METHODOLOGIES TO LOCATE IT

Moderator: Neville J. McDonald, B.D.S., M.S., Ann Arbor, Mich.

The aim of this session is to inform professionals about the history, typology and uses of electronic apex locators. Furthermore, different existing techniques on determining working length will be shown. To begin, topics will include working length, different methods to determine it and the necessary tools. Next, different kinds of locators and their working techniques will be covered. Finally, this session will present different studies developed by the International University of Catalunya and demonstrate the utility and functionality of the mentioned methods.

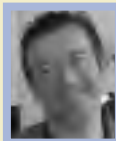
At conclusion, participants should be able to:

- Discuss the history and working mechanisms of apex locators.
- Determine an accurate working length with different methods.
- Compare methods and decide which are the best to use in a daily routine.

SP-207

Cortez C/D

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



A PARADIGM SHIFT IN ENDODONTICS: ENDOIMPLANTOLOGY

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

This lecture will present the analysis of the impact of implant therapy, bone grafting and new technologies on endodontic decision-making and treatment planning. Recent advances in implant therapy and bone grafting have changed and challenged previously well-established treatment standards in endodontic treatment. Specifically, when addressing complex retreatment or treatment with guarded long-term prognosis, it has become increasingly relevant to be aware of what other procedures or specialties can achieve.

At conclusion, participants should be able to:

- Discuss the clinical advances of alternative treatment and new diagnosis and clinical technologies.
- Assist the patient and referring dentist in the decision-making process regarding indication of endodontic treatment versus alternative treatment in challenging cases.
- Discuss advantages or disadvantages of endodontic treatment versus alternative treatment.

1:30 – 2:15 p.m.

SP-208

Grand A/B

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



NICKEL-TITANIUM INSTRUMENTATION: THE FORGOTTEN DIMENSION

Moderator: B. Clark Dalton, D.M.D., M.S., Hilton Head Island, S.C.

Nickel-titanium rotary instruments are extremely good at cleaning the usually narrow mesiodistal dimension of root canals. However, the wider and complex buccolingual dimension of root canals remains uninstrumented due to circular preparations achieved by these instruments. This presentation will use computer animations to highlight solutions for these and other limitations of nickel-titanium instrumentation. Clinical cases using new instrument designs to achieve three-dimensional instrumentation will be presented.

At conclusion, participants should be able to:

- Assess the buccolingual and mesiodistal dimensions of root canal anatomy.
- Discuss how conventional hand and nickel-titanium rotary instrumentation fail to clean and shape the buccolingual or longest dimension of the root canals.
- Select appropriate instruments and their operational sequences to achieve complete instrumentation in both the mesiodistal and buccolingual dimensions of the root canals.

1:30 – 3 p.m.

SOCIAL ETIQUETTE/DINING FOR BUSINESS AND PLEASURE

Moderator: Jocelyn R. Lance, Richmond, Va.

The first part of this presentation will focus on social etiquette. In the professional world today, the social skills of individuals working in any arena are important to the success of any organization. In this presentation, contemporary business/social skills will be presented. The basics of the importance of eye contact, handshaking, introductions and forms of address will be covered. Other important aspects of an office environment, such as telephone etiquette and the etiquette of technology, such as, e-mail, the Internet, fax machines and cell phones, will be included. The importance of a well-mannered staff, and how the lack thereof can impact malpractice, will also be addressed. The second half of the presentation will deal with the essentials of contemporary dining etiquette for business or social situations. It will include negotiating a light lunch to a seven-course meal. The duties of a host or hostess and guest will be discussed, as well as the etiquette of toasting and the best way to deal with difficult-to-eat food and foods that you do not like.

At conclusion, the participants should be able to:

- Describe the importance of good social skills, view their own work environment with a more critical eye and address any related issues.
- Negotiate any dining situation, formal or informal, as well as understand duties of a host or hostess.
- Apply these rules to business/social dining experiences.

Co-sponsored by the AAE Alliance and the AAE.

This session will not be recorded.

THE APPLICATION OF PERIODONTAL PLASTIC SURGERY IN STANDARD AND COMPLEX IMPLANT THERAPY IN THE ESTHETIC ZONE

Moderator: Jianing He, D.M.D., Ph.D., Dallas, Texas

Modern dental implant therapy requires not only a mere functional result, but rather a combination of good functional and esthetic results. Failure to diagnose, develop a treatment plan and execute the appropriate surgical and restorative procedures leads to disappointing esthetic results for both the patient and the involved clinicians. This presentation will describe the application of common periodontal plastic surgical procedures, including various soft tissue grafting and esthetic crown lengthening procedures, to effectively enhance the esthetic and functional outcome of dental implant therapy in the esthetic zone in standard and complex situations.

At conclusion, participants should be able to:

- Describe how the biological principles governing the esthetic appearance of the soft tissue frame surrounding natural teeth and dental implants form the basis for the correct treatment plan.
- Explain how the careful coordination of periodontal plastic surgical procedures with other surgical and restorative techniques can significantly enhance the esthetic outcome of dental implant therapy in the esthetic zone.
- Compare and contrast the indications and contraindications of utilizing periodontal plastic surgical procedures to repair esthetically compromised outcomes of dental implant therapy.

A-200

Cortez C/D



Karen Hickman
Fort Wayne, Ind.



Nancy Sweet
Fort Wayne, Ind.

I-202

Chantilly East



Farhad E. Boltchi,
D.M.D., M.S.
Arlington, Texas

1:30 – 3 p.m.

P-202

Coronado A

ACHIEVING PROFOUND MANDIBULAR ANESTHESIA

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

All endodontists start treatment with the intention of having profound anesthesia. However, many patients experience pain during treatment. This program focuses on the research and clinical applications of several intraosseous anesthesia systems. 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:

- Identify and describe several intraosseous systems.
- List the advantages and disadvantages of each system.
- Develop specific procedures, using intraosseous technologies, for ensuring profound anesthesia for patients presenting with irreversible pulpitis.

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



PM-201

Stemmons

ENDODONTIC CHARTING SOFTWARE

Moderator: Kenneth N. Namerow, D.D.S., Ft. Lauderdale, Fla.

The journey from the first personal computer to the development of the electronic oral health record (EOHR) has been remarkable. Although the promise of a unified, scalable, searchable and secure lifetime patient record that documents a patient's oral condition has proven elusive, substantial progress has been made. The purpose of this session is to allow the practitioner to compare the capabilities of the charting modules offered by three software vendors.

At conclusion, participants should be able to:

- Describe how the EOHR works and compare the benefits of the different systems available for endodontic practices.
- Discuss how the EOHR can enhance efficiency, improve accuracy and make possible new tasks that would otherwise not be achievable.
- Identify the basics of inputting data and navigating three different charting systems.

Gary B. Carr, D.D.S.
San Diego, Calif.



Bruce Lieberthal, D.D.S.
Boston, Mass.



Gorganna Randolph
Cedar Park, Texas



S-202

Grand D/E

THE BIOLOGY OF WOUND CLOSURE AND WOUND HEALING *Moderator: Robert S. Roda, D.D.S., M.S., Scottsdale, Ariz.*

One of the final lectures in the Surgery track will focus on wound closure—the cell biology of how the wound heals. An array of complex surgical cases will be used to illustrate the integration of the surgical principles designed to enhance wound-healing outcomes. Complications that can occur during the surgical procedure and postoperatively that negatively impact both the short- and long-term outcomes will also be discussed.

At conclusion, participants should be able to:

- Identify when a suture material is appropriate.
- Discuss different suturing materials, needle designs and suturing techniques.
- Identify and treat both intra-operative and postoperative complications.

Richard A. Ellis, B.D.S.
Dallas, Texas



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



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



ROOT RESORPTION AND TREATMENT OF AVULSED TEETH

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

The main complication following an avulsion injury is root resorption. Some methods limiting this complication will be presented, including a tooth rescue system, immediate (extraoral) endodontics and antiresorptive-regenerative therapy. They will be analyzed by means of a long-term clinical study. Some treatment options in case of complications will be discussed. Recommendations will be given according to the distinct situation of the avulsed tooth and the injured person.

At conclusion, participants should be able to:

- Describe the pathogenesis of root resorption.
- Discuss the necessity of an immediate physiologic rescue of avulsed teeth and the importance of informing the public.
- Apply the rationale behind the presented treatment options of avulsed teeth.

1:30 – 5 p.m.

STRATEGIES FOR SUCCESS WITH DENTAL IMPLANTS: AN INTRODUCTION TO SURGICAL PLACEMENT PROTOCOLS WORKSHOP

Moderator: Gerald N. Glickman, D.D.S., M.S., J.D., Dallas, Texas

An additional fee is required to attend this course.

This lecture will provide an overview of the appropriate indications and surgical applications of endosseous root-form dental implants. This program, with hands-on training in surgical protocols, will include single-tooth, partially and completely edentulous treatments. Participants will become familiar with a method for presurgical planning involving an innovative use of radiographic and surgical templates to optimize proper implant placement and minimize restorative complications. Scientific, technical and practical issues are addressed from a clinical viewpoint that provides an immediate benefit to the implant dentist in everyday practice.

At conclusion, participants should be able to:

- Define patient selection criteria for successful implant therapy.
- Fabricate a radiographic guide and surgical template to direct implant surgical position.
- Describe the various components of the surgical instrumentation kit for standard implant placement.

This session will not be recorded.

HANDS-ON SUTURING WORKSHOP

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

An additional fee is required to attend this course.

The course will cover the basics of suturing, suturing materials and techniques, and the healing process. Suture needle anatomy and handling will be included. The techniques of interrupted, sling, continuous sling, horizontal mattress, vertical mattress, Wallace sling and Laurell loop will be presented digitally, along with video of the techniques on pig jaws, correlated with video of patients. Indications for materials and techniques will be covered, including adhesives as sutures and instrumentation. When to remove sutures, why and how will be covered. The participant will be able to utilize the above information in a hands-on clinic performed on pig jaws.

At conclusion, participants should be able to:

- Discuss the various suture materials available.
- Choose the correct suture and needle for the procedure.
- Identify the most appropriate suture technique.

This session will not be recorded.

T-201

Coronado B/C/D



Yango Pohl, D.D.S., Ph.D.
Bonn, Germany



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

I-203

L'Entrecote



Scott E. Keith, D.D.S., M.S.
San Francisco, Calif.

SP-209

Cortez B



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

2:15 – 3 p.m.

SP-210

Grand A/B

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



THE DARK SIDE OF TECHNOLOGY: ENDODONTIC MISHAPS AND CLINICAL CALAMITIES

Moderator: B. Clark Dalton, D.M.D., M.S., Hilton Head Island, S.C.

While newer technologies have greatly increased the quality of care achievable by the clinician in endodontics, there are increasingly higher standards of knowledge required in usage and performance of many new devices. This lecture will review endodontic mishaps that, regrettably, have found their way into the legal arena with increasing frequency. The sequelae of thermal burns associated with the use of various endodontic devices including ultrasonic vibration will also be discussed, along with the consequence of overfill into neurovascular bundles, accidents associated with hypochlorite and anesthetic delivery, and evidence for intervention. The presentation will attempt to separate the “hype” of new devices from the reality of performance, as well as alert the attendee to the appropriate caveats.

At conclusion, participants should be able to:

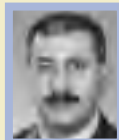
- Describe the use of heat modalities in endodontics and their potential for injury.
- Identify the neurological deficits associated with chemical and physical injury due to sealers and anesthetics.
- List the signs and symptoms of neurological injury, and understand why and when to intervene.

3:30 – 4:15 p.m.

SP-211

Grand A/B

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



APICAL APPROACH TO THE PALATAL ROOT DURING ENDODONTIC MICROSURGERY

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

New microsurgical approaches have rectified all the shortcomings of traditional apical surgery, making the procedure much more predictable. In endodontic surgery, we can now locate and treat a palatal root even on a third molar with a degree of certainty not possible before. The surgery can now be performed by palatal or buccal approaches on first, second and third molars, which will be described step-by-step in this presentation. The prognosis of the procedure can be affected by the presence of serious anatomical elements, such as the maxillary sinus, palate architecture and the greater palatine vessels. A radiographic study will be used to illustrate these points.

At conclusion, participants should be able to:

- Describe how to cut the bone and locate the apex using the two approaches discussed.
- Manipulate the greater palatine vessels.
- Increase the surgery success rate and cure formerly incurable teeth.

3:30 – 5 p.m.

A-200 (cont.)

Cortez C/D

SOCIAL ETIQUETTE/DINING FOR BUSINESS AND PLEASURE

Karen Hickman
Fort Wayne, Ind.

Nancy Sweet
Fort Wayne, Ind.

Moderator: Jocelyn R. Lance, Richmond, Va.

See page 37 for a complete session synopsis.

ACCELERATED DENTAL IMPLANTS

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

New technology and innovative approaches have resulted in a shorter amount of time from placement to restoration, often allowing both to take place during the same day. This lecture will cover the science available on this subject, with an emphasis on clinical applications. Techniques that allow the routine use of these approaches will be demonstrated. Specific information on implant choice, surgical technique, as well as prosthetic approaches, will be covered.

At conclusion, participants should be able to:

- Describe the basics of immediate implant placement, immediate loading and a combination of the two approaches.
- Prepare, diagnose and treatment plan patients who may be candidates for these procedures.
- List the benefits and risks of each of these methods.

This session will not be recorded.

INTRAOSEOUS ROUTES OF INJECTION WORKSHOP

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

An additional fee is required to attend this course.

Intraosseous anesthesia has helped many endodontists achieve profound anesthesia during endodontic treatment. This workshop focuses on the clinical applications of the several intraosseous anesthesia systems. Using models and pig jaws, each participant will have the opportunity to practice with these intraosseous anesthesia systems.

At the conclusion, participants should be able to:

- Identify and use several intraosseous systems.
- Determine the clinical advantages and disadvantages of each intraosseous system.
- Develop specific procedures, using intraosseous technologies, for ensuring profound anesthesia for patients presenting with irreversible pulpitis.

This session will not be recorded.

DIGITAL RADIOGRAPHY

Moderator: Marjorie K. Jeffcoat, D.M.D., Philadelphia, Pa.

Digital radiography has been slowly gaining acceptance among dental practitioners and has recently seen increasing popularity in the medical imaging world as computers and software improve. Key advantages of digital radiography are: 1) reduced radiation; 2) image optimization and computer-aided feature extraction; 3) speed of image availability; 4) no shipping, darkroom or chemical processing errors; 5) improved electronic communications; 6) environmental waste reduction; 7) security of off-site backup; and 8) enhanced appearance of practice technology. These attributes will be demonstrated by three company representatives.

At conclusion, participants should be able to:

- Describe how digital radiography works and compare the benefits of different systems available for endodontic practices.
- Describe how three digital radiography systems capture, store and present images.
- Evaluate the attributes of digital radiography systems offered by the three vendors.

I-204

Chantilly East



Thomas G. Wilson, D.D.S.
Dallas, Texas

P-203

Cortez A



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

PM-202

Stemmons



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



Walter S. Golub, D.M.D.
Long Island City, N.Y.



Paul Suni
San Jose, Calif.

3:30 – 5 p.m. (continued)

SP-212

Coronado A

Donald E. Arens,
D.D.S., M.S.D.
Indianapolis, Ind.



TESTING THE LIMITS OF ENDODONTIC TREATMENT

All endodontists have treated cases that will never be forgotten. Either the patient, the difficulty or the circumstances made a particular case memorable. Nine practicing endodontists with more than 300 collective years of experience will each share a memorable case that tested their knowledge, skills, discipline, courage, experience and, to no lesser degree, the healing potential of the patients. Participants will more than likely face somewhat similar situations, though the chances of seeing any of these exact cases may be remote. The attendees should leave with the realization that a practicing endodontist is often the last resort in a patient's fight to ward off the beaks of a forceps. This is what makes endodontists unique and explains the need to sometimes go to the edge of treatment to meet a patients' desire to keep their teeth.

At conclusion, participants should be able to:

- Evaluate the rationales for treating difficult cases.
- Identify the healing potential of patients who want to keep their teeth for a lifetime.
- Describe how to respond to similar cases in their practices with confidence.

This session will not be recorded.

Additional Participants:

L. Stephen Buchanan, D.D.S.

Constantinos Laghios, D.D.S.

Ronald I. Deblinger, D.M.D.

Ronald R. Lemon, D.M.D.

Anthony E. Hoskinson, B.D.S., M.Sc.

Stephen F. Schwartz, D.D.S., M.S.

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

Kenneth J. Spolnik, D.D.S., M.S.D.

S-203

Grand D/E

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



INTENTIONAL REPLANTATION: THE *IN VIVO* SURGICAL ALTERNATIVE



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

Resorption is a significant complication of intentionally replanted teeth as a result of root surface dehydration. A new technique, developed and refined by the presenter, addresses and eliminates this cause of failure. This procedure will be presented in a multimedia format, summarizing 20 years of recalled cases and success/failure statistics.

At conclusion, participants should be able to:

- Describe the mechanics and biological basis of the described intentional replantation technique.
- Incorporate this technique in their surgical practices using readily obtained instrumentation and reagents.
- Describe the complications and the strategies to minimize or eliminate them.

T-201 (cont.) Coronado B/C/D

ROOT RESORPTION AND TREATMENT OF AVULSED TEETH

Yango Pohl, D.D.S., Ph.D.

Bonn, Germany

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

Chapel Hill, N.C.

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

See page 39 for a complete session synopsis.

4:15 – 5 p.m.

THE HIDDEN ANATOMY OF THE BIFURCATED MAXILLARY PREMOLAR

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

Root morphology is a major predisposing factor in vertically fractured, endodontically treated teeth, especially in the maxillary premolars, which are considered the teeth most susceptible to cracks and fractures. In the bifurcated maxillary premolars, the root walls are known to be originally thin, rapidly tapering towards the apex with proximal invaginations. New morphological studies will be presented that show the buccal root of the bifurcated maxillary premolar is not round in cross-section, but has a furcation groove depression on its palatal (bifurcation) aspect, and the original dentin thickness is less than 1mm in width in certain locations. Additional dentin removal during intraradicular procedures is hazardous at these locations. The unfavorable anatomy, combined with the amount of remaining dentin thickness after root canal preparation, could be determining factors for fracture, especially during post placement.

At conclusion, participants should be able to:

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

SP-213

Grand A/B



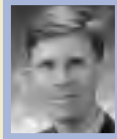
Aviad Tamse, D.M.D.
Tel Aviv, Israel

8 – 9:30 a.m.

T-300

Coronado B/C/D

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



Bjorn U. Zachrisson,
D.D.S., M.S.D., Ph.D.
Oslo, Norway



ESTHETIC CONSIDERATIONS AFTER TRAUMATIC INJURIES

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

Restoring esthetics is essential after a traumatic injury and involves reconstruction of a surviving traumatized tooth or the replacement of the lost tooth. The presentation will provide indications and limitations of resin-based composites as both interim and permanent restoration of fractured anterior teeth. A brief description of available fiber-based intracanal post systems and the advantages and disadvantages of different treatment alternatives for traumatically lost incisors will also be covered, including orthodontic space closure, autotransplantation of developing premolars, single-tooth implants and cantilever prosthetics. Space closure will combine esthetic dentistry and detailed orthodontic treatment.

At conclusion, participants should be able to:

- Discuss the advantages and disadvantages of composites, and recognize the most effective adhesives as restorative options to repair traumatized anterior teeth.
- Describe the benefits of autotransplantation of developing premolars.
- Compare and contrast the different treatment alternatives for lost incisors in order to select the optimal option for each individual case.

8 – 11:30 a.m.

I-300

L'Entrecote

Scott E. Keith, D.D.S., M.S.
San Francisco, Calif.



STRATEGIES FOR SUCCESS WITH DENTAL IMPLANTS: AN INTRODUCTION TO SURGICAL PLACEMENT PROTOCOLS WORKSHOP

Moderator: Gerald N. Glickman, D.D.S., M.S., J.D., Dallas, Texas

An additional fee is required to attend this course.

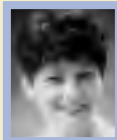
Repeated workshop; see page 39 for a complete session synopsis.

This session will not be recorded.

A-300

Metropolitan

Mary R. Costello
Canton, Ohio



DAM-IT, IT'S EASY! WORKSHOP

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

An additional fee is required to attend this course.

This seminar is intended for those who possess basic dental dam application skills and wish to expand their usage of the dam for more complicated isolations. The program presents a brief review of simplified application techniques that expedite dam placement, such as the winged and modified winged techniques. Advanced techniques presented, include guidelines to prevent dam leakage, clampless alternatives to retaining the dental dam, isolating structurally compromised teeth and using the dental dam with fixed bridges and laminate veneers. In addition, participants will apply a dental dam to typodont models utilizing some of the advanced techniques discussed in the program.

At conclusion, participants should be able to:

- Describe and implement two techniques that expedite dental dam placement.
- Explain how to prevent dental dam leaks and how to remedy the problem.
- List several options for retaining the dental dam, and describe and implement at least two techniques for isolation of areas that include fixed bridges.

This session will not be recorded.

DEALING WITH DIFFICULT PATIENTS/PERSONALITY DISORDERS

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

This session will review several examples of difficult patient personality presentations in the office setting, followed by a discussion of the characteristics or behaviors that make running an efficient office and schedule more difficult. The lecture will end with a brainstorming session to come up with effective ways to manage these situations, as well as a look at the underlying principles that guide how we interact with difficult patients.

At conclusion, participants should be able to:

- Describe key behaviors that alert staff to identify patients with personalities that are more challenging in the office (and clinical) setting.
- Identify personal reactions that may contribute to the escalation of a situation.
- Identify effective and respectful ways to work with patients whose behaviors are problematic.

PERSPECTIVES ON IMPLANTS

Moderator: Gerald N. Glickman, D.D.S., M.S., J.D., Dallas, Texas

Experienced clinicians in endodontics, periodontics and restorative dentistry will present their insight and perspectives on endodontic treatment and implants. Issues relative to decision making and case selection, financial considerations, function and prognosis will be highlighted. Following the presentations, there will be open discussion between the panel members and members of the audience.

At conclusion, participants should be able to:

- Cite various treatment modalities for compromised teeth.
- Discuss inter-relationships between endodontic, periodontal and restorative concerns.
- Discuss the value of implants in clinical dentistry.

A-301

Grand A/B



**Carol D. Aunan,
A.P.R.N., B.C.**
Coralville, Iowa

I-301

Coronado A



Farhad E. Boltchi, D.M.D., M.S.
Arlington, Texas



Frank L. Higginbottom, D.D.S.
Dallas, Texas



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



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

9:45 – 11:15 a.m. (continued)

PM-300

Cortez A/B

ENDODONTIC PRACTICE MANAGEMENT: A FORUM FOR ENDODONTISTS AND THEIR MANAGERS

*Moderators: Peter A. Morgan, D.M.D., M.Sc.D., and Michele Whitley,
North Shore Endodontic Associates, Peabody, Mass.*

Many endodontists and practice managers have listened to experts and consultants discuss the various aspects of running a practice. However, piecing together a successful practice from all of the advice can be a challenge. This program will bring together four endodontists and their practice managers to discuss some common problems. Each practice will discuss their way of managing a problem and the others will comment on their solution. The audience of endodontists, practice managers and staff will be invited to participate in the discussion.

At conclusion, participants should be able to:

- Compare the management structures created in several endodontic practices.
- Discuss how creating a management structure within the practice can help them solve business problems and get on with practicing endodontics.
- Network with endodontists and managers whom they have met in this session.

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



Libby Washburn
*Amarillo Endodontics, LLP
Amarillo, Texas*



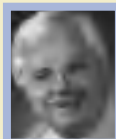
Lisa P. Germain, D.D.S.
*Uptown Endodontics
New Orleans, La.*



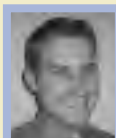
Renee Rich
*Uptown Endodontics
New Orleans, La.*



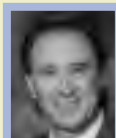
John R. Hughes, D.D.S.
*Southern Arizona Endodontics
Tucson, Ariz.*



Michael Austin, M.B.A.
*Southern Arizona Endodontics
Tucson, Ariz.*



David Ishley, D.D.S., M.S.
*Endodontic Specialists
of Colorado
Colorado Springs, Colo.*



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



PRIVATE PRACTICE ENDODONTICS: GROWTH, CHARACTERISTICS AND THE FUTURE OF ENDODONTIC CARE

Moderator: Jung Lim, D.D.S., Northridge, Calif.

This presentation will examine the importance of endodontic care in a \$65 billion dental industry. Growth of the endodontic practice will be examined and the likelihood of future growth will be discussed. Highlights of several issues related to the practice, including the importance of practice location, patient demand for care, referrals, number of cases and workload, staffing, time spent providing treatment and financial issues over the life-span of a practice, will be presented.

At conclusion, participants should be able to:

- Describe the basic reasons for growth in the number of practicing endodontists and implications for the practice to continue to grow in the future.
- Identify with how the practice issues discussed might differ in their own practice from the patterns and trends presented, and the implications thereof. Residents will be able to identify several practice management issues to consider as they enter into and begin practicing as an endodontist.
- Discuss patient demand and important characteristics associated with patients who seek endodontic treatment.

GUTTA-PERCHA: THE END OF AN ERA?

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

The aim of root canal filling material is to seal in remaining bacteria or prevent further bacterial invasion in the canal. Gutta-percha can fail in these functions. A new thermoplastic resin bonding material with all the properties of gutta-percha, but with vastly superior sealing abilities, has been developed for filling the root canal. This lecture will outline the biological requirements for successful endodontics. The shortcomings of gutta-percha and the improvements offered by thermoplasticized resin will be discussed.

At conclusion, participants should be able to:

- Discuss the importance of optimal filling of the canal.
- Describe the shortcomings of gutta-percha fills.
- Describe the advantages of thermoplasticized resin as a filling material.

THE BIOLOGICAL BASIS FOR DIAGNOSIS AND TREATMENT PLANNING

Endodontists practice clinical diagnosis by evaluating signs and symptoms that originate from the biological mechanisms of resorption and inflammation. Three subcategories within endodontics that require a quick and accurate diagnosis in order to achieve a favorable outcome are: the periapical abscess, nonodontogenic periapical lesions and traumatically injured teeth. The cases to be presented will take on an added dimension by including pertinent histopathology and a relevant literature review.

At conclusion, participants should be able to:

- Discuss histopathology and immunology of the periapical abscess.
- Describe lesions that are nonendodontic in origin.
- Diagnose and treat traumatic injuries of the teeth.

PM-301

Cortez C/D



Kent D. Nash, Ph.D.
College Station, Texas

SP-300

Stemmons



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

SP-301

Grand D/E



Alan J. Nevins, D.D.S.
Southampton, N.Y.

9:45 – 11:15 a.m. (continued)

T-300 (cont.) Coronado B/C/D

ESTHETIC CONSIDERATIONS AFTER TRAUMATIC INJURIES

Andre V. Ritter, D.D.S., M.S.D.*Chapel Hill, N.C.***Bjorn U. Zachrisson, D.D.S., M.S.D., Ph.D.***Oslo, Norway**Moderator: Frederic Barnett, D.M.D., Narberth, Pa.*

Please see page 44 for a complete session synopsis.

A-300 (cont.) Metropolitan

DAM-IT, IT'S EASY! WORKSHOP

Mary R. Costello*Canton, Ohio**Moderator: Bruce C. Justman, D.D.S., Iowa City, Iowa*

Continued workshop; please see page 44 for a complete session synopsis.

A-302 Grand A/B

DEPRESSION AND ANXIETY: SYMPTOMS AND MANAGEMENT

*Moderator: Marjorie K. Jeffcoat, D.M.D., Philadelphia, Pa.***Carol D. Aunan,
A.P.R.N., B.C.**
Coralville, Iowa

Working with depressed and anxious patients is common in clinical practice. This presentation will discuss reassuring, truthful and effective ways to communicate with patients in order to help them be more accepting and tolerant of uncomfortable procedures; respectful, safe and humane ways to work with patients with substance abuse problems; and working with coworkers who may have some of these difficulties. HIPAA policies are basic to these interactions. This session will discuss case studies and outline basic principles of appropriate interaction.

At conclusion, participants should be able to:

- Describe the symptoms of depression and anxiety.
- Identify treatment and management options to deal with patients or coworkers with these symptoms.
- Describe effective ways to assist patients or coworkers who may be experiencing depression or anxiety.

PM-302 Cortez A/B

PRACTICE TRANSITION STRATEGIES: A DISCUSSION FOR ENDODONTISTS AND RESIDENTS

*Moderator: Gerald C. Dietz Sr., D.D.S., M.S., Bloomfield Hills, Mich.***Daniel M. Lewis**
Dallas, Texas

An endodontist's practice is often his or her most valuable single asset. Successful practice transitions rely on a carefully orchestrated plan. Preparing for changes in ownership may require the services of a practice broker, an accountant, an attorney, a practice appraiser and sometimes a practice management consultant. This session will address the complex issues facing the prospective purchaser and seller. The audience of endodontists and residents will be invited to participate in the discussion.

At conclusion, participants should be able to:

- Describe the life cycle of the endodontic practice and the importance of peak value.
- Describe the importance of a clear transition strategy with special emphasis on fair market value.
- List the benefits of a complete financial analysis.

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

PRINCIPLES OF OFFICE DESIGN

Moderator: Erick R. Menegazzo, D.D.S., Dallas, Texas

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 the participant intends to practice.
- List the contributions required from the team of professionals necessary to accomplish the doctor's facility goals.
- Describe the role of the facility in communicating the practitioner's quality of service.

REPAIR OF ENDODONTICALLY TREATED TEETH HAVING INTERNAL PARTIAL VERTICAL ROOT FRACTURES

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

This presentation will introduce the endodontist to a method of retaining an endodontically treated tooth having an internal vertical root fracture that does not extend to the PDL. The discussion will include the methodology of case selection and a description of materials used. The physical principles governing the rationale behind the use of these materials will be covered. Videos will show details of restorative procedures and the presentation will include pre- and postoperative and recall radiographs.

At conclusion, participants should be able to:

- Describe the criteria for case selection.
- Explain the aspects of the laws of physics that govern successful treatment.
- Apply advanced bonding techniques necessary to restore a tooth with an internal partial vertically fractured root.

EDUCATOR FORUM: DEVELOPING "FOUNDATION KNOWLEDGE" FOR PREDOCTORAL ENDODONTIC CURRICULA

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

This session will address the American Dental Education Association plan for redefining foundation guidelines for predoctoral dental education programs. With revised Accreditation Standards for Dental Education Programs and greater emphasis on competencies defined by each dental school, basic and clinical science disciplines are finding a need to define the topics that should be included in the curriculum. Based on their own experiences, the presenters will provide information on how we can best define what material to include in the predoctoral endodontic curriculum.

At conclusion, participants should be able to:

- Describe the ADEA plan for redefining predoctoral dental education programs.
- Summarize a process for defining predoctoral dental education program foundation knowledge.
- Define what should be included in a predoctoral endodontic curriculum.

PM-303

Cortez C/D



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

SP-302

Grand D/E



Frederick H. Kahn, D.D.S.
New York, N.Y.

SP-303

Coronado A



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



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



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

2 – 3:30 p.m. (continued)

SP-304

Stemmons

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



mCT IMAGING IN ENDODONTICS

Moderator: Linda G. Levin, D.D.S., Ph.D., Chapel Hill, N.C.

Since 1988, the ultra-high resolution images (5-50 microns) captured by *in vitro* micro-CT scanning have been used to great effect in endodontic anatomic research as well as for instrumentation studies. Recently introduced fan beam mCT machines, with nine-second scan times, now offer volumetric imaging for patients, improving the possibilities of accurate diagnosis and treatment planning of conventional, retreat, and surgery cases.

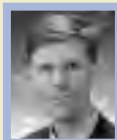
At conclusion, participants should be able to:

- Discuss the physics of computerized tomography and the use of reconstructive software to view slices of the x-ray volumes.
- Describe volumetric imaging data for accurate diagnosis and treatment planning.
- List past and recent examples of mCT imaging from research and clinical cases presented, with an emphasis on data that could not be seen without this technology.

T-301

De Soto A/B

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



Edward J. Swift Jr.,
D.M.D., M.S.
Chapel Hill, N.C.



CONSERVATIVE AND ESTHETIC RESTORATION OF FRACTURED ANTERIOR TEETH WITH COMPOSITE RESINS WORKSHOP

Moderator: Alessandra L. Ritter, D.D.S., M.S., Chapel Hill, N.C.

An additional fee is required to attend this course.

This workshop will provide participants with the opportunity to learn about and use the latest technology in composite resins and dental adhesives. A brief presentation, highlighting keys to success when using adhesives and composites for the esthetic and conservative restoration of fractured anterior teeth will precede the hands-on session. Participants will then place at least one large anterior composite restoration using the latest adhesive technology and composite layering concepts for optimum function and esthetics.

At conclusion, participants should be able to:

- Identify the different types of dental adhesives available today, including self-etching adhesives systems, as well as recognize their advantages, disadvantages, indications and limitations.
- Describe what composite resins work best for the restoration of anterior teeth and how to handle them properly.
- Apply contemporary tooth preparation, matricing and composite placement, and composite finishing and polishing techniques.

This session will not be recorded.

T-302

De La Salle

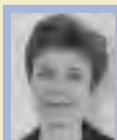
Frederic Barnett,
D.M.D.
Narberth, Pa.



Joseph S. Dovgan,
D.D.S., M.S.
Paradise Valley, Ariz.



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



PLACEMENT OF MTA WORKSHOP

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

An additional fee is required to attend this course.

Immature teeth requiring endodontic treatment present many challenges. Long-term apexification procedures are highly successful, but patient compliance and root fracture are compromising issues. Alternatively, placement of MTA as an apical barrier has gained popularity. This hands-on course will review the devices and techniques available for the placement of apical barriers.

At conclusion, participants should be able to:

- Describe the basic physical working properties of MTA.
- Apply this knowledge toward placement in a clinical situation, such as incompletely developed teeth.
- Compare and contrast the various mechanisms and delivery systems for MTA placement.

This session will not be recorded.

Oral Research Presentations

THURSDAY

10:30 – 11:45 a.m.

De La Salle

EPIDEMIOLOGY/CLINICAL RESEARCH

Endodontist Section

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

10:30 a.m.

OR 1

Endodontic Treatment Outcomes in a Large Patient Population in the USA: An Epidemiological Study

Robert Salehrabi, D.D.S. (Presenter)

I. Rotstein, University of Southern California

10:45 a.m.

OR 2

Implant or Endodontic Treatment: Can Decision Aids Increase Patient Knowledge and Satisfaction?

Bradford R. Johnson, D.D.S. (Presenter)

University of Illinois at Chicago

11 a.m.

OR 3

Mandibular Infiltration With Articaine is Superior to the Traditional Inferior Alveolar Nerve Block With Lidocaine

Matthew B. Walsh, D.M.D. (Presenter)

A.S. Ro, L.E. Braitman, L. Hicks, Albert Einstein Medical Center

11:15 a.m.

OR 4

The Effects of a Two-Stage Injection on Inferior Alveolar Nerve Block Injection Pain

John M. Nusstein, D.D.S., M.S. (Presenter)

G. Steinkruger, A. Reader, M. Beck, J. Weaver, Ohio State University

11:30 a.m.

OR 5

Prevalence of Apical Periodontitis in Adult Italian Population

Elisabetta Cotti, D.D.S., M.S. (Presenter)

F. Tagliaferri, M. Mereu, C. Dettori, University of Cagliari, Italy

10:30 a.m. – noon

De Soto A/B

MICROBIOLOGY/MOLECULAR BIOLOGY I

Graduate Student Section

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

10:30 a.m.

OR 6

Real-Time Quantitative PCR and Culture Analyses of Enterococcus Faecalis in Primary and Refractory Endodontic Infections

John M. Williams, D.D.S. (Presenter)

M. Trope, M. Heffernan, D.C. Shugars, University of North Carolina

10:45 a.m.

OR 7

16S Cloning and Sequencing of the Periradicular Lesion and Resected Root-End

Kumar Subramanian, B.D.S., M.S.D.¹ (Presenter)

A. Mickel², A. Griffen³, P. Kumar³, E. Leys³, ¹University of Kentucky,

²Case Western Reserve University and ³Ohio State University

11 a.m.

OR 8

Enterococcus spp. in Endodontically Treated Teeth With and Without Periradicular Lesions

Blythe M. Kaufman, D.M.D.¹ (Presenter)

L.S.W. Spångberg¹, A. Fouad², ¹University of Connecticut and ²University of Maryland

11:15 a.m.

OR 9

A Real Time Quantitative PCR Analysis of COX1 and COX2 Enzymes in Inflamed Dental Pulp

Claudia Holt, D.D.S., M.S. (Presenter)

R. Pileggi, M. Hutchins, University of Texas, Dental Branch, Houston

11:30 a.m.

OR 10

Comparative Evaluation of Endodontic Irrigants Against E. Faecalis Biofilm

Thomas R. Dunavant, D.D.S. (Presenter)

J.D. Regan, G.N. Glickman, E.S. Solomon, A.L. Honeyman, Baylor College of Dentistry

This session will not be recorded.

11:45 a.m.

OR 11

Effects of Various Concentrations and Combinations of Chlorhexidine and Citric Acid on Enterococcus Faecalis-Infected Teeth

Manouchehr Pouresmail, D.M.D. (Presenter)

S. Shabahang, M. Torabinejad, Loma Linda University

1:30 – 2:30 p.m.

De La Salle

BIOCOMPATIBILITY/IN VIVO/IN VITRO STUDIES

Endodontist Section

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

1:30 p.m.

OR 12

The Biocompatibility of Three Root-End Filling Materials in Rat Connective Tissue

Shahriar Shahi, D.D.S., M.Sc. (Presenter)

Tabriz University of Medical Sciences, Iran

1:45 p.m.

OR 13

Effects of Orifice Plugs on the Periapical Inflammation in Dogs

Shizuko Yamauchi, D.D.S., M.S. (Presenter)

G. Shipper, T. Buttke, M. Yamauchi, M. Trope, University of North Carolina

Oral Research Presentations

2 p.m.

OR 14

Healing of Apical Periodontitis in Dogs After Endodontic Treatment With and Without Obturation

Mohammad A. Sabeti, D.D.S.¹ (Presenter)
M. Nekofar², J. Simon¹, ¹University of Southern California and
²University of Tehran, Iran

2:15 p.m.

OR 15

The Effect of Chamomile and Tea Tree Oil as Irrigation Solutions on Removal of Smear Layer

Masoumeh Sadr Lahijani, D.D.S., M.S. (Presenter)
H.R. Raoof, S. Stowe, R. Heady, Rafsanjan University of Medical Sciences, Iran

1:30 – 3 p.m.

De Soto A/B

CLINICAL INSTRUMENTATION AND OBTURATION

Graduate Student Section

Moderator: Michael M. Hoen, D.D.S., Detroit, Mich.

1:30 p.m.

OR 16

Comparison of Microleakage of Two Obturation Materials

Rakesh Raina, D.D.S. (Presenter)
R.J. Loushine, R.N. Weller, D.H. Pashley, Medical College of Georgia

1:45 p.m.

OR 17

An Evaluation of the Root ZX and the Elements Diagnostic Apex Locators

Marat Tselnik, D.D.S. (Presenter)
J. Baumgartner, G. Marshall, Oregon Health & Science University

2 p.m.

OR 18

A Fluid Filtration Comparison of Gutta-Percha Versus Resilon: A New Soft Resin Endodontic Obturation System

Ryan K. Stratton, D.M.D. (Presenter)
M.J. Apicella, P. Mines, U.S. Army Dental Activity, Ft. Bragg, N.C.

2:15 p.m.

OR 19

Cohesive Strength of Resilon and Other Dental Polymers

Michael C. Williams, D.M.D. (Presenter)
R.J. Loushine, R.N. Weller, D.H. Pashley, Medical College of Georgia

2:30 p.m.

OR 20

Evaluation of Thermal Changes in Teeth Obturated With Thermoplastic Materials

Kavita Patil-Doddamane, D.M.D. (Presenter)
J.A. Griggs, S. Bruce, J.D. Shulman, G.N. Glickman, Baylor College of Dentistry
This session will not be recorded.

2:45 p.m.

OR 21

Effect of Liquid and Gel-Type Lubricants on Torque Values During Rotary Root Canal Instrumentation

Claudia Boessler, D.M.D. (Presenter)
O.A. Peters, M. Zehnder, University of Zürich, Switzerland

3:30 – 5 p.m.

De La Salle

LOCAL ANESTHESIA/INSTRUMENTATION

Graduate Student Section

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

3:30 p.m.

OR 22

Incidence of Internal Resorption in Patients Referred for Endodontic Therapy

Emily E. Kelly, D.M.D. (Presenter)
J.P. Scheetz, S.J. Clark, University of Louisville

3:45 p.m.

OR 23

Effectiveness of Conventional Anesthetic Techniques in Patients With Symptomatic Necrotic Teeth

Saadia Bukhari Meyers, D.D.S., M.S. (Presenter)
J.M. Nusstein, A. Reader, M. Beck, J. Weaver, Ohio State University

4 p.m.

OR 24

The Effects of Needle Bevel Orientation on Success of the Inferior Alveolar Nerve Block

Geoffery Steinkruger, D.D.S., M.S. (Presenter)
J.M. Nusstein, A. Reader, M. Beck, J. Weaver, Ohio State University

4:15 p.m.

OR 25

Articaine for Supplemental Intraosseous Anesthesia in Patients With Irreversible Pulpitis

John J. Bigby, D.D.S., M.S. (Presenter)
A. Reader, J.M. Nusstein, M. Beck, Ohio State University

4:30 p.m.

OR 26

Anesthetic Efficacy of Lidocaine/Meperidine in Inferior Alveolar Nerve Blocks

Amanda Goodman, D.D.S., M.S. (Presenter)
A. Reader, J.M. Nusstein, M. Beck, J. Weaver, Ohio State University

4:45 p.m.

OR 27

A Retrospective Clinical Study of Incidence of Root Canal Instrument Separation in an Endodontic Graduate Program

Meetu Kohli, D.M.D. (Presenter)
J. Kim, M. K. Iqbal, S. Kim, University of Pennsylvania

Oral Research Presentations

3:30 – 5 p.m.

De Soto A/B

MICROBIOLOGY/MOLECULAR BIOLOGY II GRADUATE STUDENT SECTION

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

3:30 p.m.

OR 28

The Minimum Bactericidal Concentration of Triclosan Against Five Endodontic Specific Pathogens

William J. Nudera, D.D.S. (Presenter)
University of Illinois at Chicago

3:45 p.m.

OR 29

Removal Efficiency of Calcium Hydroxide Intracanal Dressing

Jin-Seon Song, B.D.S. (Presenter)
I. Chen, S. Kim, M.K. Iqbal, University of Pennsylvania

4 p.m.

OR 30

The Effect of Calcium Hydroxide Paste as an Intracanal Medication on Canal Leakage Using Two Resin Sealers

Kristi R. Detwiler, D.D.S. (Presenter)
B.R. Johnson, C.R. Neach, S.H. Ashrafi, E.A. BeGole, R. Prescott,
University of Illinois at Chicago

4:15 p.m.

OR 31

The Antimicrobial Effect of Chloroform on Enterococcus Faecalis Following Gutta-Percha Removal

Scott W. Edgar, D.M.D. (Presenter)
Oregon Health & Science University
This session will not be recorded.

4:30 p.m.

OR 32

Antimicrobial Efficacy of Medicated Root Canal Filling Materials

Kevin B. Melker, D.D.S. (Presenter)
University of Florida

4:45 p.m.

OR 33

Assessment of a Plant Extract for E. Faecalis Antimicrobial Activity

Romi M. Farber, D.D.S. (Presenter)
K.A. Namerow, P.E. Murray, J. Coffman, F. Garcia-Godoy, S. Kuttler,
Nova Southeastern University

FRIDAY

8 – 9:15 a.m.

De La Salle

MICROBIOLOGY/MOLECULAR BIOLOGY III Endodontist Section

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

8 a.m.

OR 34

Antifungal Activity of White-Colored Mineral Trioxide Aggregate Against Candida Albicans In Vitro

Jafar Naghshbandi, D.D.S., M.S.¹ (Presenter)
K. Al Hezaimi², K. Al Hamdan², S. Oglesby³, J. Simon³, I. Rotstein³
¹Former Resident, University of Southern California, ²King Saud University, Riyadh, Saudi Arabia and ³University of Southern California

8:15 a.m.

OR 35

CD44 Adhesion Molecule in Human Dental Pulp

Gabriela V. Pisterna, D.D.S.¹ (Presenter)
M. Siragusa¹, M. D'arrigo², ¹Faculty of Dentistry, Universidad Nacional de Rosario, Argentina and ²Faculty of Biochemistry, Universidad Nacional de Rosario, Argentina
This session will not be recorded.

8:30 a.m.

OR 36

Cytotoxicity of Different Resin and Silicone-Based Root Canal Filling Materials: An In Vitro Study

Benjamin Briseño Marroquín, D.D.S., M.S.D., Ph.D. (Presenter)
C. Cortázar Fernández, B. Willershausen, University of Mainz, Germany

8:45 a.m.

OR 37

The Effects of Temperature on Sodium Hypochlorite Short-Term Stability, Pulp Dissolution Capacity and Antimicrobial Efficacy

George Sirtes, D.M.D. (Presenter)
Zürich, Switzerland

9 a.m.

OR 38

Human Saliva Penetration of Root Canals Obturated With Two Types of Mineral Trioxide Aggregate Cements

Khalid Al Hezaimi, B.D.S.¹ (Presenter)
J. Naghshbandi², S. Oglesby³, J. Simon³, I. Rotstein³, ¹King Saud University, Riyadh, Saudi Arabia, ²Former Resident, University of Southern California and ³University of Southern California

8 – 9:30 a.m.

De Soto A/B

CLINICAL OUTCOMES/EPIDEMIOLOGY Graduate Student Section

Moderator: Shepard S. Goldstein, D.M.D., Framingham, Mass.

8 a.m.

OR 39

The Toronto Study: Outcome of Initial Endodontic Treatment – Phase 3

Vincent L. Marquis, D.M.D. (Presenter)
M. Farzaneh, S. Abitbol, S. Friedman, University of Toronto, Ontario, Canada

Oral Research Presentations

8 – 9:30 a.m. (cont.)

8:15 a.m.

OR 40

The Effect of Tooth Vitality on the Survival of Single Indirect Restorations Among Insured Adults

Abdullah S. Al-Swuailem, B.D.S., M.S. (Presenter)
S.A. Eklund, N.J. McDonald, University of Michigan

8:30 a.m.

OR 41

Variables Affecting Endodontic Recall

Christopher L. Ross, D.M.D. (Presenter)
J.P. Scheetz, S.J. Clark, University of Louisville

8:45 a.m.

OR 42

A Retrospective Study of Different Factors Affecting the Prognosis of Nonsurgical Root Canal Treatment

Baokhoi Bui, D.D.S. (Presenter)
A.S. Lim, M. Iqbal, S. Kim, University of Pennsylvania

9 a.m.

OR 43

The Difference Between the In Vivo Working Length Established by Radiograph and In Vivo Measurement After Extraction

Clayton B. Williams, D.D.S. (Presenter)
A.P. Joyce, S. Roberts, U.S. Army Dental Activity, Ft. Gordon, Ga.

9:15 a.m.

OR 44

Interobserver Reliability in the Diagnosis of Pulpal and Periradicular Disease

Todd Mellin, D.M.D. (Presenter)
R.E. Bogacki, B.E. Byrne, Virginia Commonwealth University
This session will not be recorded.

10 – 11:30 a.m.

De La Salle

IN VITRO STUDIES

Endodontist Section

Moderator: Elizabeth C. Nixon, D.D.S., Ocala, Fla.

10 a.m.

OR 45

Chelation in Root Canal Therapy Reconsidered

Matthias Zehnder, D.M.D.¹ (Presenter)
P. Schmidlin¹, T. Waltimo²,¹University of Zürich, Switzerland and
²University of Basel, Switzerland

10:15 a.m.

OR 46

Effect of Immersion in Sodium Hypochlorite on Resistance to Torque and Cyclic Fatigue of NiTi Rotary Instruments

Ove A. Peters, D.M.D., M.S.¹ (Presenter)
J. Roehlike², M. A. Baumann³, ¹Division of Endodontics, University of California, San Francisco, ²Orthodontic Department, University of Cologne, Germany and ³Department of Operative Dentistry & Periodontology, University of Cologne, Germany

10:30 a.m.

OR 47

Protection of Endodontic Filling Remaining After Post Space Preparation

Martha Siragusa, D.D.S., Ph.D.¹ (Presenter)
P. Spoleti¹, F. Cantarelli¹, M.J. Spoleti², ¹Faculty of Dentistry, Universidad Nacional de Rosario, Argentina and ²Faculty of Biochemistry, Universidad Nacional de Rosario, Argentina
This session will not be recorded.

10:45 a.m.

OR 48

Impact of Dentin Condition on the Penetration of a Final Root Canal Irrigant

Frank Paqué, D.M.D. (Presenter)
H. Luder, M. Zehnder, University of Zürich, Switzerland

11 a.m.

OR 49

Evaluation of Upper First Premolars Root Thickness (In Vitro)

Nahid S.Z. Mohammadzadeh Akhlaghi, D.D.S., M.S. (Presenter)
S. Safari, Islamic Azad University, Tehran, Iran

11:15 a.m.

OR 50

Determination and Clinical Relevance of the Distance Between the Cementoenamel Junction and Begin of the Root Canal Curvature in Maxillary Premolars

Brita Willershausen, D.D.S., M.S.D., D.Sc. (Presenter)
H. Tekyatan, B. Briseño Marroquín, Johannes Gutenberg University, Mainz, Germany

10 – 11:30 a.m.

De Soto A/B

MOLECULAR BIOLOGY/BASIC RESEARCH

Graduate Student Section

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

10 a.m.

OR 51

Interleukin-1 β Downregulates the Expression of TRPV1 mRNA in Rat Trigeminal Neurons

Asma A. Khan, B.D.S., Ph.D. (Presenter)
K.M. Hargreaves, University of Texas Dental School, San Antonio
This session will not be recorded.

10:15 a.m.

OR 52

SIBLING Proteins in Reactionary Dentin of Rat Molars at Different Ages

Kyle D. Moses, D.D.S. (Presenter)
W.T. Butler, C. Qin, University of Texas, Dental Branch, Houston

10:30 a.m.

OR 53

Enamel Matrix Derivative Stimulates the Release of Growth Factors by Human and Mouse Osteoblasts

Amy Lee, D.M.D.¹ (Presenter)
J. He², J. Jiang¹, Q. Zhu¹, ¹University of Connecticut and ²Baylor College of Dentistry

Oral Research Presentations

10:45 a.m.

OT 54

Effect of Storage Media on Periodontal Ligament Cell Apoptosis

Monica M. Chamorro, D.D.S. (Presenter)

J.D. Regan, L.A. Opperman, P. Kramer, Baylor College of Dentistry

This session will not be recorded.

11 a.m.

OR 55

Comparison of Dentin Bond Strengths of Bacterially Contaminated Dental Unit Water Versus Experimental Oxidizing Agent-Cleaned Water

Andrew R. Drerup, D.D.S. (Presenter)

M.M. Nunez, J.C. Broome, R.D. Barfield, P.D. Eleazer, University of Alabama

This session will not be recorded.

11:15 a.m.

OR 56

Fracture Resistance of Human Root Dentin Exposed to Intracanal Calcium Hydroxide

Glen E. Doyon, D.M.D. (Presenter)

T. Dumsha, J.A. von Fraunhofer, University of Maryland

1:30 – 4 p.m.

De La Salle

MATERIALS SCIENCE/IN VITRO STUDIES Graduate Student Section

Moderator: Darrell W. Zenk, D.D.S., M.S.D., Inver Grove Heights, Minn.

1:30 p.m.

OR 57

An In Vitro Comparison of the Setting Time of MTA With and Without Water

Craig D. Johnson, D.D.S. (Presenter)

Marquette University

1:45 p.m.

OR 58

Remaining Dentin Thickness in the Apical Four Millimeters Following Four Cleaning and Shaping Techniques

Paul J. Weller, D.D.S., M.S. (Presenter)

T.A. Svec, J.M. Powers, J.R. Ludington, J.A. Suchina, University of Texas, Dental Branch, Houston

2 p.m.

OR 59

Leakage of Root-End Super EBA, MTA and Geristore Restorations in Teeth Previously Stored in 10% Formalin

Michael R. Pichardo, D.D.S.¹ (Presenter)

S.W. George¹, B.E. Bergeron², B.G. Jeansonne³, ¹Keesler U.S.A.F. Medical Center, Biloxi, Miss., and Louisiana State University, ²Keesler U.S.A.F. Medical Center, Biloxi, Miss., and ³Louisiana State University

This session will not be recorded.

2:15 p.m.

OR 60

A Comparison of Three Materials Used to Seal the Orifice

Stephen Jenkins, D.D.S. (Presenter)

J.C. Kulild, C.C. Lee, University of Missouri at Kansas City

2:30 p.m.

OR 61

Effect of Formalin Storage on the Microhardness of Dentin and Apical Microleakage of Obturated Canals

Scott W. George, D.M.D.¹ (Presenter)

M.R. Pichardo¹, B.E. Bergeron², B.G. Jeansonne³, ¹Keesler U.S.A.F. Medical Center, Biloxi, Miss., and Louisiana State University, ²Keesler U.S.A.F. Medical Center, Biloxi, Miss., and ³Louisiana State University

2:45 p.m.

OR 62

A Comparative Photoelastic Stress Analysis of Internal Root Stresses Between RC Prep and Saline When Applied to the Profile/GT Rotary Instrumentation System

Darin N. Anderson, D.M.D. (Presenter)

A.P. Joyce, S. Roberts, U.S. Army Dental Activity, Ft. Gordon, Ga.

3 p.m.

OR 63

Smear Layer Removal With and Without the Dental Operating Microscope

Jeffrey D. Walmann, D.D.S. (Presenter)

J.C. Kulild, C.C. Lee, V. Dusevich, K. Williams, University of Missouri at Kansas City

3:15 p.m.

OR 64

Comparison of Root Canal Debridement Using Either Er,Cr:YSGG Laser HKS or Rotary Instrumentation

Daniel A. Radatti, D.D.S. (Presenter)

Oregon Health & Science University

3:30 p.m.

OR 65

Heteroduplex Analysis of Bacteria Associated With Periodontal and Pulpal Disease

Philip M. Zaveloff, D.D.S. (Presenter)

P.M. Di Fiore, P.A. Rosenberg, L.M. Lin, U. Fotadar, L. Terracio, New York University

3:45 p.m.

OR 66

Antimicrobial Efficacy of Hydraulically Placed Calcium Hydroxide For 10 Minutes Versus Standard 7-Day Intracanal Regimen

John N. Odai, D.M.D. (Presenter)

A.K. Mickel, S. Chogle, J.J. Jones, Case Western Reserve University

Poster Research Presentations

FRIDAY

8 – 11:30 a.m.

Trinity I

GRADUATE STUDENT SECTION

PR 1

Nonsurgical Retreatment Success of Teeth Previously Obturated With Silver Points

Paul L. Abbott, D.M.D.
University of Louisville

PR 2

The Effect of Intracanal Anti Inflammatory Medicaments on External Root Resorption of Replanted Dog Teeth After Extended Extraoral Dry Time

Hong Chen, D.M.D., M.S.
University of North Carolina

PR 3

The Effect of Operator Experience in Locating MB2 Canals in Maxillary Molars

James R. Corcoran, D.D.S.
U.S. Army Dental Activity, Ft. Bragg, N.C.

PR 4

Regulation of Tension-Induced Mechanotranscriptional Signals Through b1 Integrins

Mario D'Addario, D.D.S., Ph.D.
University of Toronto, Ontario, Canada

PR 5

Incidence and Location of Odontogenic Sinus Tracts

Hilary Dunstan, D.D.S.
University of Louisville

PR 6

The Influence of Preparation Size on the Mechanical Efficacy of Root Canal Irrigation In Vitro

Kenneth W. Falk, D.D.S.
University of Michigan

PR 7

Retreatment of Root Canals Filled With Resilon: A Scanning Electron Microscopic Evaluation

Manuel R. Gomez, D.D.S.
University of Iowa

PR 8

Examination and Comparison of Torsional Fatigue Profiles of Rotary Nickel-Titanium Files of Varying Size and Design

Ashkan Hafezi, D.M.D.
University of Toronto, Ontario, Canada

PR 9

Post Retention With Mineral Trioxide Aggregate and Accelerated Portland Cement

Pamela P. Harrington, D.D.S.
West Virginia University

PR 10

Assessment of Pulpitis Caused by Tooth Preparation and Restoration

Jayson S. Hartman, D.M.D.
Nova Southeastern University

PR 11

Clinical Performance of Resilon™ and Gutta-Percha at 3 and 6 Months

Michelle L. Heffernan, D.M.D.
University of North Carolina

PR 12

In Vitro Evaluation of the Antimicrobial Effects of a Root Canal Sealer–Antibiotic Combination Against Enterococcus Faecalis

Anita A. Hoelscher, D.D.S.
Marquette University

PR 13

Digital Panoramic Radiographs Used for Comparison of the Incidence of Carotid and Pulpal Calcifications

Scott H. Horsley, D.D.S.
University of Louisville

PR 14

A Comparison of the Accuracy of Working Length Determination Using the Root ZX and Propex Apex Locators in a Clinically Simulated Typodont

Heidi G. Korn, D.M.D.
University of Michigan

PR 15

Assessing the Timing of Nickel-Titanium Rotary File Separation and Its Effect on Bacterial Penetration

Kimberly A.D. Lindquist, D.D.S.
Case Western Reserve University

PR 16

Comparison of Lateral and Vertical Condensation Techniques Using Resilon: A Scanning Electron Microscopy Study

Jack C.H. Liu, D.D.S., Ph.D.
University of Iowa

PR 17

Bacterial Count Comparisons on Exam Gloves From Freshly Opened Boxes Versus Nearly Empty Boxes and From Exam Gloves Before Treatment Versus After Dental Dam Isolation

Jeffrey B. Luckey, D.D.S.
University of Alabama

PR 18

E. Faecalis Penetration Through Canals Containing a Separated Instrument and Backfilled With MTA or Geristore

Jussara M. Morsani, D.D.S.
Case Western Reserve University

Poster Research Presentations

PR 19

An Evaluation of the Consistency Between Clinical Interpretations of Digital Radiography Using Image Enhancement Software

Johnathan C. Newcomb, D.M.D.
U.S. Army Dental Activity, Ft. Bragg, N.C.

PR 20

Prevalence and Predictors of Pulpal and Periradicular Disease in the Virginia Commonwealth University School of Dentistry Screening Patient Population

Ellen R. Oertel, D.D.S.
Virginia Commonwealth University

PR 21

What Effect Does GTR/Bone Grafting Material Have on Residual Bacteria in the Endodontic Surgical Crypt?

Jiten B. Patel, D.D.S.
Case Western Reserve University

PR 22

Osteomyelitis: A Potential Endodontic Complication

William Posner, D.M.D.
New York University

PR 23

Isolation of Dental Pulpal Stem Cells and Production of a Biomimetic Scaffold

Rebecca S. Prescott, B.D.S.
University of Illinois at Chicago

PR 24

A Comparative Study Between Three Irrigating Solutions for the Removal of the Smear Layer: A Scanning Electron Microscope Study

Zulmarie Santiago, D.M.D.
Nova Southeastern University

PR 25

The Importance of Apical Enlargement: A Comparison of Two Preparation Sizes

Darren Sinopoli, D.M.D.
Nova Southeastern University

PR 26

Expression of TLR2 and Proangiogenic Signaling Mediated by the PI3K-Akt Pathway in Odontoblast-Like Cells

Ryan I. Soden, D.M.D.
University of Michigan

PR 27

Reinforcement of Immature Roots With a New Resin Filling Material in a Model of Apexification

Charles H. Stuart, D.D.S.
Wilford Hall U.S.A.F. Medical Center

PR 28

Histological Study of Periradicular Tissue Responses to Noninfected and Infected Devitalized Pulp in Dogs

Antonett M. Thai, D.D.S., and Rosette Nguyen, D.D.S., M.S.
New York University

PR 29

Effect of Blood Contamination on Retention Characteristics of Tooth-Colored MTA When Mixed With Different Liquids

Richard A. VanderWeele, D.M.D.
Wilford Hall U.S.A.F. Medical Center

PR 30

The Predictive Ability of Questions Relating History of Symptoms in the Diagnosis of Endodontic Disease

Boyd A. Vaughn, D.D.S.
Virginia Commonwealth University

PR 31

Efficacy of Two New Final Rinse Solutions for Smear Layer Removal From Instrumented Root Canal Walls: An SEM Study

Ching S. Wang, D.D.S.
University of North Carolina

SATURDAY

8 – 11:30 a.m.

Trinity I

ENDODONTIST SECTION

PR 32

In Vitro Analysis of the Antimicrobial Effects of Several Commonly Used Intracanal Medicaments on Porphyromonas Gingivalis

Anahita Abdehou, D.D.S., and Ali Elyassi, D.D.S.
University of Maryland

PR 33

Bond Strength of Two Different Fiber-Reinforced Endodontic Posts With Dual Cure Self-Etching Cement

Sebastiano Andreana, D.D.S., M.Sc.
Applied Testing Center of Ivoclar Vivadent, Inc.

PR 34

A Comparison of Different Digital Radiography Systems and Their Use in Endodontics

Brian Barker, D.D.S., M.S., and Ralan Wong, D.D.S.
University of the Pacific

PR 35

Detection of Interleukin-11 in Human Dental Pulp and Periapical Lesions

Joshua A. Barkhordar
University of California, San Francisco

PR 36

Shaping Ability of K3, Profile, Nickel-Titanium and Stainless Steel Hand Instruments in Simulated Canals

Kefah M. Barrieshi-Nusair, B.D.S., M.S.
Kuwait University, Kuwait City, Kuwait

PR 37

Calcified Tissues Formed in Apposition to MTA In Vivo

Ricardo Caicedo, D.D.S.
Louisiana State University

Poster Research Presentations

8 – 11:30 a.m. (cont.)

PR 38

Cleaning Effect of EDTA on Smear Layer Removal After Rotary Nickel-Titanium Instrumentation in Root Canal

Kam Chan, B.D.S., M.S.
Taichung Veterans General Hospital, Taiwan

PR 39

Dimension, Anatomy and Morphology of the Mesiobuccal Root Canal System in Maxillary First and Second Molars

Randolph A. Degerness, D.D.S., M.S., and Walter Bowles, D.D.S., M.S.
University of Minnesota

PR 40

Bending Properties of Newly Designed Nickel-Titanium Rotary Endodontic Instruments

Arata Ebihara, D.D.S., Ph.D., and Yohsuke Hayashi, D.D.S.
Tokyo Medical and Dental University, Japan

PR 41

In Vitro Observation of the Antimicrobial Effects of a Photopolymerizable Poly(ethylene Glycol)-Based Endodontic Material on Porphyromonas Gingivalis

Ali Elyassi, D.D.S., and Anahita Abdehou, D.D.S.
University of Maryland

PR 42

Apical Leakage of a New Obturation Technique

Gianluca Gambarini, D.D.S.
University of Rome La Sapienza, Italy

PR 43

In Vitro Observation of the Antimicrobial Effects of a Photopolymerizable Poly(ethylene Glycol)-Based Endodontic Material on Enterococcus Faecalis

Raja Gupta, D.D.S., and Ted Damas, D.D.S.
University of Maryland

PR 44

Apical Seal of the Taper Preparation Using Various Obturation Techniques

Gin-ichiro Hata, D.D.S., Ph.D., and Ikuo Nishikawa, D.D.S., Ph.D.
Osaka Dental University, Japan

PR 45

Shaping Ability of Hybrid Nickel-Titanium Rotary Endodontic Instruments

Yohsuke Hayashi, D.D.S., and Takashi Katsuki, D.D.S.
Tokyo Medical and Dental University, Japan

PR 46

Effectiveness of Needleless Anesthesia and Its Effect on Periodontal Tissues

Noriyasu Hosoya, D.D.S., Ph.D., and Kentaro Sato, D.M.D.
Tsurumi University, Yokohama, Japan

PR 47

Effect of Smear Layer Removal and Chlorhexidine Treatment on the Adhesion of Enterococcus Faecalis to Bovine Dentin

Il-Young Jung, D.D.S., Ph.D.
Yonsei University, Seoul, Korea

PR 48

Polymerase Chain Reaction Detection of Black-Pigmented Bacteria in Infections of Endodontic Origin in Korea

Hyun-Soo Kim, D.D.S., and Kwang-Shik Bae, D.D.S., M.S.D., Ph.D.
Seoul National University, Korea

PR 49

Magnetic Removal of Separated Instruments

Sara Kim, D.M.D.
University of Pennsylvania

PR 50

Predictors of Pulpal Involvement in Teeth With Full Coverage Restorations

Anna Kirakozova, D.D.S.
University of North Carolina

PR 51

The Effect of Mineral Trioxide Aggregate on the Production of Growth Factors and Cytokine by Human Periodontal Ligament Fibroblasts

Ji-Yoon Kwon, D.D.S., and Sung-Sam Lim, D.D.S., M.S.D., Ph.D.
Seoul National University, Korea

PR 52

Thermographic Assessment of the Temperature Rise on the Outer Surface of Roots During Filling With Laser-Softened Gutta-Percha

Mariusz P. Lipski, D.D.S., Ph.D.
Pomeranian Medical University, Szczecin, Poland

PR 53

Molecular Control of Human Dental Pulp Stem Cell Chemotaxis

Peter E. Murray, B.D.S., Ph.D.
Nova Southeastern University

PR 54

A Comparison of Three Instruments in Preparing a Centered Platform Around Separated Instruments in Curved Canals

Helena Rafailov, D.M.D.
University of Pennsylvania

PR 55

In Vitro Cytotoxicity of a New Silicon-Based Root Canal Sealer (RoekoSeal Automix)

Shohreh Ravanshad, D.D.S., M.Sc., and Fatemeh Forouzes, D.M.D.
Shiraz University, Iran

PR 56

Success Rate of Direct Pulp Capping With Calcium Hydroxide

David Sonntag, D.D.S.
Philipps-Universität Marburg, Germany

PR 57

In Vitro Assessment of the Effect of Heat on Cyclic Fatigue of Nickel-Titanium Endodontic Instruments

Vivian Tawadros, D.D.S., and Raja Gupta, B.D.S.
University of Maryland

Poster Research Presentations

PR 58

A Study of Inducing Ability of Hard Tissue Formation Using Three Root-End Filling Materials

Kayo Ueda, D.D.S.
Osaka Dental University, Japan

PR 59

Satisfaction With Endodontic Treatment Among Patients of a General Dental Practice: Results of 1997 and 2004 Surveys

Karl F. Woodmansey, D.D.S.
Montana State University

PR 60

An Evidence-Based Pico Strategy Review Of Chronic Beryllium Disease: Are We At Risk When Accessing Through Non-Precious Crowns?

Joseph T. Lee, D.D.S.
Case Western Reserve University

PR 61

Ten Minutes of Hydraulically Versus Seven Days of Passively Placed Calcium Hydroxide

Shahin Etemadi, D.D.S.
Case Western Reserve University

Table Clinics

FRIDAY

8 – 11:30 a.m.

Trinity I

GRADUATE STUDENT SECTION

TC 1

Endodontics Revealed: 3-D Images Using Computed Tomography

Kenji G. Beppu, D.D.S., and Shiwei Cai, D.D.S., M.S.D., Ph.D.
University of Washington

TC 2

An Evidence-Based Pico Strategy Review of the Presence of Enterococcus Faecalis in the Oral Microflora

Allen D. Colic, D.D.S.
Case Western Reserve University

TC 3

MTAD: A Flash in the Pan or the Real Deal?

Steven T. Elkhall, D.M.D.
Albert Einstein Medical Center

TC 4

Platelet-Rich Plasma and Endodontics

Hatim A. Hamad, D.D.S., and Alexander Royzenblat, D.D.S.
Naval Postgraduate Dental School

TC 5

Morphological Anomalies in Clinical Endodontics

Andrew S. Huttula, D.D.S., and Patrick J. Munley, D.M.D.
Naval Postgraduate Dental School

TC 6

Decoronation: Preventive Treatment for the Complications of Ankylosis in the Pediatric Patient

Kristin M. Jabbs, D.M.D.
Albert Einstein Medical Center

TC 7

Apical Closure Time With the Apexification Procedure

Matthew L. Kjar, D.M.D., M.S.
University of Louisville

TC 8

MTA: Can We Make It Better?

Paul Kogan, D.D.S.
Baylor College of Dentistry

TC 9

A New Resin-Based Material... as a Root-End Fill?

Christos M. Maltezos, D.D.S.
Baylor College of Dentistry

TC 10

Autotransplantation

Judy D. McIntyre, D.M.D.
University of North Carolina

TC 11

Three Canal Mandibular First and Second Premolars: A Treatment Approach

Sashi Nallapati, B.D.S.
Nova Southeastern University

TC 12

Cyanoacrylate: The Answer to the Therafil Retreatment Dilemma

Donald Nguy, D.D.S.
University of Michigan

TC 13

Reactions of Chlorhexidine Within the Root Canal

Christopher B. Owatz, D.M.D., and Evan Chugerman, D.M.D., M.S.Ed., M.A.
University of Texas Dental School, San Antonio

Table Clinics

8 – 11:30 a.m. (cont.)

TC 14

Microcomputed Tomography (Micro-CT) for Morphometric Analysis of the Apical Region of the Root Canal System

Yogesh Patel, D.D.S.
Baylor College of Dentistry

TC 15

Unusual Odontalgia Secondary to Masticatory Co-Contraction, Diurnal Clenching, Bruxism and Post-Traumatic Stress Disorder

Melissa L. Ruff, D.M.D., and Saman Gharib, D.M.D.
Naval Postgraduate Dental School

TC 16

Clinical Inspection of Root Canals After Epiphany Removal

Sherma R. Saif, D.M.D., and Buffy Storm, D.M.D.
Naval Postgraduate Dental School

TC 17

A Preliminary In Vitro Comparison of the Dentin Bond Strength of Epiphany™ Sealant to That of Gutta-Percha and Kerr Pulp Canal Sealer™ EWT

Lance J. Skidmore, D.D.S.
Marquette University

TC 18

Paying Too Much for Endo-Ice?

Joseph B. Suffridge, D.D.S., and Clay Dietz, D.D.S.
University of Michigan

TC 19

Odontogenic Sinusitis: Diagnosis and Treatment

Ellen A. Teverovsky, D.D.S.
Albert Einstein Medical Center

TC 20

An In Vivo Evaluation of Single-Use Rotary Nickel-Titanium Instruments Using an Electric Torque Control Motor

Thomas C. Vokal, D.D.S.
University of Detroit Mercy

TC 21

A Gel-Like Resorbable Hemostatic Agent for Use in Endodontic Surgery

Andrew P. Wright, D.D.S.
Case Western Reserve University

SATURDAY

8 – 11:30 a.m.

Trinity I

ENDODONTIST SECTION

TC 22

A New Instrument Puts a Handle on the Endodontic File: A Simple Solution for Advanced Endodontic Cases

Steven S. Larsen, D.D.S., M.S.
Logan, Utah

TC 23

Dens Evaginatus: Literature Review, Pathophysiology and Comprehensive Treatment Regimen

Marc E. Levitan, D.D.S.
University of Tennessee

TC 24

Simplified Technique to Replace Teeth That Cannot Be Saved Endodontically

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

TC 25

Resilon—A New Obturation Material

Robert T. Radel, D.M.D.
Naval Postgraduate Dental School

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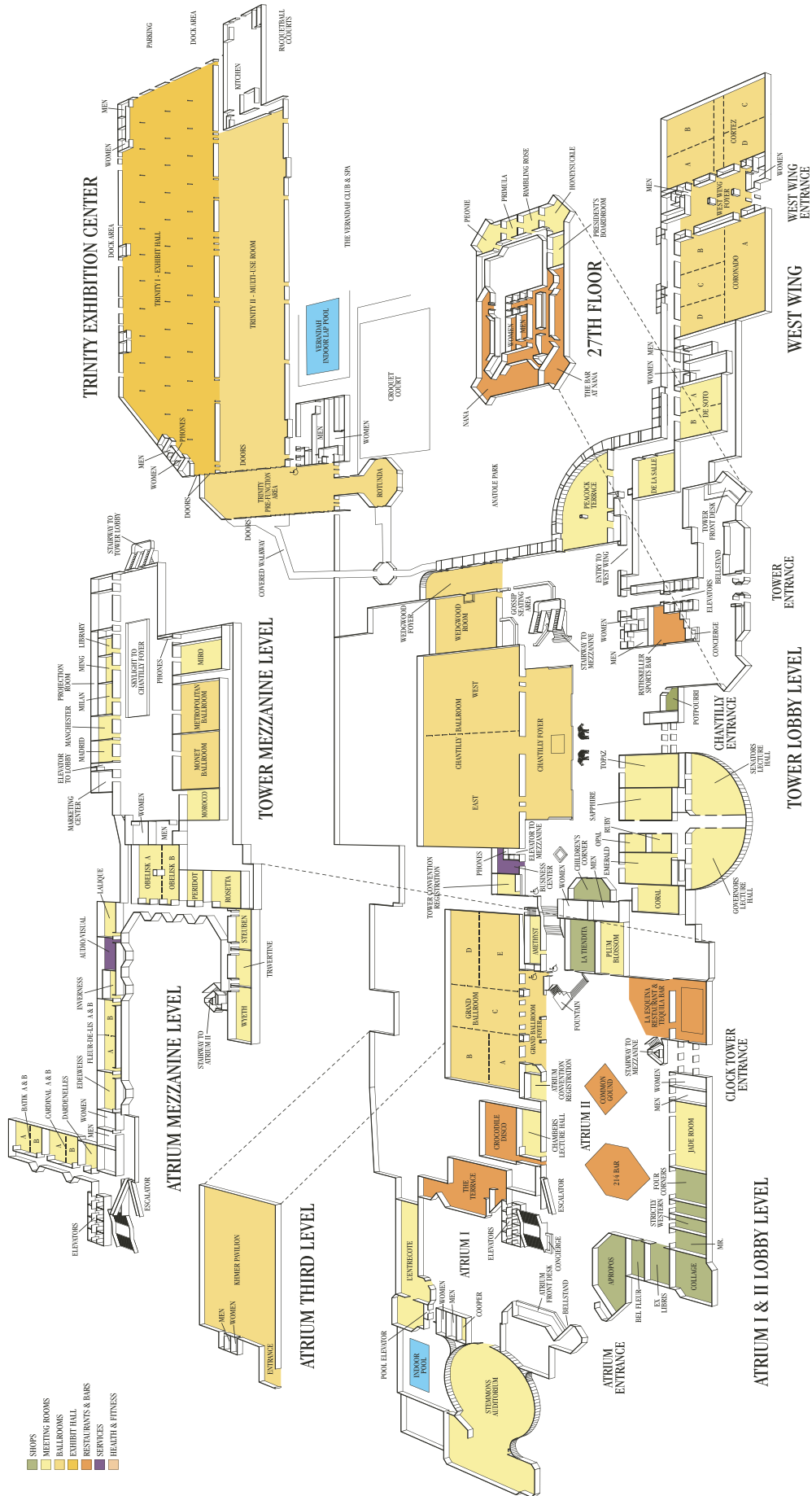
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Coury, Kirk A.	Hayashi, Yohstuke	Lewis, Daniel M.	Paqué, Frank	Skidmore, Lance J.	
D'Addario, Mario	He, Jianing	Liewehr, Frederick R.	Patel, Jiten B.	Slingbaum, Joel B.	
D'Assunção, Fabio Luiz	Heffernan, Michelle L.	Lim, Jung	Patel, Yogesh T.	Soden, Ryan I.	
	Hickman, Karen	Lim, Sung-Sam		Song, Jin-Seon	

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Philadelphia Convention Center

April 25 – 28

2008

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April 9 – 12

2009

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2010

SAN DIEGO, CALIFORNIA

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2011

SAN ANTONIO, TEXAS

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