

On behalf of the American Association of Endodontists, its officers and directors, and the Annual Session Committee, I welcome you to the 2003 Annual Session and the city of Tampa!

This multicultural venue is the perfect host as we explore the *New World ~ New Horizons* in endodontics, enhancing our knowledge of the current evolutions in the global endodontic community. A number of international speakers, from Canada to Lebanon to Australia, will cover a wide range of topics during three days of informative educational sessions. An additional block of sessions has been added on Saturday following the new Colleagues Luncheon. A number of these seminars, including the Pre-Session Symposium, will also feature simultaneous translation from English to Spanish, Japanese, Italian and Portuguese.

The latest endodontic products and technological developments will be on display in this year's exhibit hall, which will feature extended hours, as well as the AAE Oasis. This area, in addition to being a comfortable rest stop, will showcase the best of what our association has to offer in products and services. Visitors to the Oasis will have the opportunity to purchase items from the AAE logo line, meet with AAE staff, see the AAE Foundation Donor Wall, or ask about the American Board of Endodontics' certification process.

We've also set aside ample time for you to meet and exchange ideas with your peers at daily breakfasts, luncheons and new networking breaks. Thirty-minute breaks are scheduled throughout the educational program to provide you with additional time to visit with colleagues or browse the exhibit hall. As you look through this program, you'll see many other exciting events that will enhance your Tampa experience, such as our annual auctions, alumni and affiliate functions, the Fun Run, continuation of the Friday night *Celebrate Tampa!* Event, local area tours and the annual President's Dinner on Saturday night.

I would like to recognize the hard work of all who helped to put this great session together, including the 2003 Annual Session Committee led by Dr. Ronald I. Deblinger and the AAE staff led by Executive Director James M. Drinan. These people and many more have contributed to making this year's Annual Session a great success.

I hope you all enjoy this year's meeting and take time to explore all of the available educational sessions, fun-filled social events and local attractions in search of a *New World ~ New Horizons!* 

Sincerely,

Samuel O. Dorn, D.D.S.

President



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Full page Ad

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# **SCHEDULE AT-A-GLANCE**

Unless otherwise noted, the following activities will be conducted at the Tampa Convention Center. Please refer to the Educational Sessions portion of this program for session room assignments. All optional tours depart from the convention center.

Tuesday, April 29				
3 – 8 p.m.	Registration and Information	2nd Level		
Wednesday, April 30				
7 a.m. – 8 p.m.	Registration and Information	2nd Level		
7 a.m. – 8 a.m.	Pre-Session Symposium Continental Breakfast	Ballroom		
8 a.m. – 4:30 p.m.	Pre-Session Symposium	West Hall		
Noon – 1:15 p.m.	Pre-Session Symposium Luncheon	Ballroom		
12:45 – 3:15 p.m.	Tampa Bay Duck Tour (Optional Tour)			
1 – 4 p.m.	Salvador Dalí Museum (Optional Tour)			
6:30 – 8 p.m.	Welcome Reception and Silent Auction	Convention Center Riverwalk and Rotunda		
Thursday, May 1				
7 a.m. – 6 p.m.	Registration and Information	2nd Level		
8 – 8:30 a.m.	Auxiliary Continental Breakfast	Room 13/14 and 15/16 (foyer)		
8 – 10 a.m.	Opening Session Breakfast	West Hall		
8:30 - 10 a.m.	Auxiliary Sessions	Rooms 13/14 and 15/16		
9:30 a.m. – 4 p.m.	Busch Gardens (Optional Tour)			
10 - 11 a.m.	District Caucuses	I - Room 22/23       II - Room 24/25         III - Room 20       IV - Room 21         V - Room 18       VI - Room 19		
10 a.m. – 6 p.m.	AAE Oasis and Exhibits Open	East Hall		
10:30 a.m. – noon	Oral Research Presentations	Room 10/11		
10:30 a.m 5:15 p.m.	St. Armands Circle (Optional Tour)			
<b>11</b> a.m. – noon	Affiliate Leadership Meeting	Room 22/23		
11 a.m 1:30 p.m.	Tampa Bay Duck Tour (Optional Tour)			
Noon – 1:30 p.m.	Louis I. Grossman Luncheon	Ballroom D		
1:30 – 3 p.m.	Educational Sessions	See page ? for details		
	Oral Research Presentations	Room 10/11		
3 – 3:30 p.m.	Networking Break	East Hall		
3:30 – 5 p.m.	Educational Sessions	See page ? for details		
	Oral Research Presentations	Room 10/11		
5 – 6 p.m.	Exhibit Hall Happy Hour and Foundation Live Auction	East Hall		
5:45 – 10 p.m.	StarShip Dinner Cruise (Optional Event)			



# SCHEDULE AT-A-GLANCE, CONTINUED

Friday, May 2			
6:30	Fun Run	Tampa Convention Center Riverwalk	
7 – 8 a.m.	Continental Breakfast	East Hall	
7 a.m. – 5 p.m.	Registration and Information	2nd Level	
7 a.m. – 5 p.m.	AAE Oasis and Exhibits Open East Hall		
8 – 9:30 a.m.	Educational Sessions	See page ? for details	
	Oral Research Presentations	Room 10	
8 – 11:30 a.m.	Poster Research Presentations and Table Clinics	East Hall See page? for details	
8 a.m. – 5 p.m.	Automated Canal Preparation: A Hands-On Workshop	Room 17	
9:30 – 10 a.m.	Networking Break	East Hall	
9 a.m. – 4 p.m.	Cypress Gardens (Optional Tour)		
10 - 11:30 a.m.	Educational Sessions	See page ? for details	
	Oral Research Presentations	Room 10	
11 a.m. – 1:30 p.m.	Tampa Bay Duck Tour (Optional Tour)		
11:30 a.m 1 p.m.	Edgar D. Coolidge Luncheon	West Hall	
1 – 4 p.m.	Salvador Dalí Museum (Optional Tour)		
1:30 – 3 p.m.	Educational Sessions	See page ? for details	
	Oral Research Presentations	Room 10	
3 – 3:30 p.m.	Networking Break	East Hall	
3:30 – 5 p.m.	Educational Sessions	See page ? for details	
	Oral Research Presentations Room 10		
9 p.m. – midnight	Celebrate Tampa!	Marriott Waterside, Grand Ballroom	
Saturday, May 3			
7 – 8 a.m.	Continental Breakfast	East Hall	
7 a.m. – 3 p.m.	Registration and Information	2nd Level	
	AAE Oasis and Exhibits Open	East Hall	
8 – 9:30 a.m.	Educational Sessions	See page ? for details	
8 – 11:30 a.m.	Poster Research Presentations and Table Clinics	East Hall See page? for details	
8:30 – 9:30 a.m.	Past Presidents Breakfast	Marriott Waterside, Room 4	
9:30 – 10 a.m.	Networking Break	East Hall	
10 – 11:30 a.m.	Educational Sessions	See page ? for details	
11:30 a.m. – 1 p.m.	Colleagues Luncheon	Ballroom	
1:30 – 3 p.m.	Educational Sessions	See page ? for details	
3 – 4 p.m.	General Assembly	Room 11	
7 – 8 p.m.	President's Reception	Ballroom Foyer	
8 p.m. – midnight	President's Dinner	Ballroom	



# **AUXILIARY PROGRAM**

While Auxiliary members and guests are welcome to attend any educational session, the following sessions and activities have been designed with office staff in mind. Please see the educational section of this program for session synopses and room assignments.

Auxiliary sessions are denoted with an "A" before the session number. Auxiliary sessions are conducted at the Tampa Convention Center.

Thursday, Ma	y <b>1</b>	Friday, May 2	continued
8 - 8:30 a.m. 8:30 - 10 a.m.	Auxiliary Continental Breakfast Rooms 13/14 and 15/16 (foyer) <b>A-100:</b> Management Widgets	10 – 11:30 a.m.	<b>A-210:</b> Past, Present and Future Electronic Claims Submission: How Can It Benefit Your Practice and Your Patients?
	<b>A-101:</b> Typical Patient Questions Encountered When the Doctor Leaves the Room		<b>A-211:</b> The Assistant and Dental Operating Microscopes (DOM) in Endodontics
1:30 – 3 p.m.	A-103: Practice Solutions and Office Strategies A-104: Infectious Hazards in Dentistry	1:30 – 3 p.m.	<b>A-216:</b> Collection: Bridging the Gap Between Case Acceptance and Payment
3:30 – 5 p.m.	Continuation of A-103 and A-104		<b>A-217:</b> Implementing Modern Technology Into Existing Offices
Friday, May 2		3:30 – 5 p.m.	Continuation of A-216 and A-217
8 – 9:30 a.m.	<b>A-201:</b> An Update on Answers to Third- Party Reimbursement Issues and CDT-4 Endodontic Insurance Codes	Saturday, Ma	у 3
		8 – 9:30 a.m.	A-303: Motivate and Retain Staff
	<b>A-202:</b> The Dental Assistant's Role in Enhancing the Patient's Experience in the Endodontic Practice		<b>A-304:</b> Radiography Basics: Emphasis on Endodontics
		10 - 11:30 a.m.	Continuation of A-303 and A-304
		1:30 – 3 p.m.	<b>A-318:</b> HIPAA Overview for Dentists







# **GENERAL INFORMATION**

# **AAE Oasis**

Stop by the AAE Oasis located in the exhibit hall to check out the latest in AAE member services and products, including a complete line of AAE logo items available for sale. AAE staff will be waiting to answer questions and to assist you with your product orders. While you are there, learn how to pledge your support to the Foundation, talk to a representative from the American Board of Endodontics, and find out what lies ahead for the AAE 2003 Fall Conference and the 2004 Annual Session in Anaheim. Visitors will be able to enter a drawing for several fabulous prizes to be given away throughout the session—you may be a lucky winner!

# **AAE Registration and Information**

AAE Registration and Information will be located on the 2nd level of the Tampa Convention Center 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 a.m. - 3 p.m.

# **Badges**

We ask that you wear your name badge to all AAE functions. Your name badge is your admittance to the Welcome Reception, *Celebrate Tampa!*, educational sessions and the exhibit hall. A ticket is required for all other events.

# **Board and Committee Meetings**

Please refer to page? for a complete listing of AAE Board and committee meetings.

# **Career Opportunities Exchange**

Check out the very latest job openings or post your opening on the Career Opportunities Exchange board, located in the AAE Oasis area. The job board is hosted and monitored by the Membership Services Committee.

# **Commemorative Golf Shirt**

Attendees who purchased commemorative golf shirts via the Annual Session registration form will receive a claim ticket and may pick up purchases at the AAE Oasis.

# **Continuing Education Credits**

A Continuing Education Certificate of Completion form is provided for your use. The CE credits issued for participants may not be applicable for license renewal in all states. Since continuing education requirements and acceptance of credits offered vary among state boards of dentistry, each participant must verify the requirements of his/her state licensing board, and whether the CE form should be retained by the participant or sent to the state board. The AAE is an ADA CERP Recognized Provider.



# **Evaluations**

Your opinion counts! Assist us in preparing next year's program by completing an evaluation form for each session that you attend. Evaluation forms will be distributed 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 (page?) for a complete listing of participating companies. Your name badge is required for admittance to the exhibit hall. Exhibits will be open during the following hours:

Thursday: 10 a.m. - 6 p.m. Friday: 7 a.m. - 5 p.m. Saturday: 7 a.m. - 3 p.m.

# **Headquarters Office**

The AAE on-site headquarters office is located in Room 306 of the Tampa Convention Center.

# **Message Board**

A message board will be available to Annual Session attendees in the Registration and Information area.

# **No Smoking Policy**

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

# **President's Dinner Seating**

To reserve seating for the President's Dinner, you must exchange your voucher for a dinner ticket no later than 6 p.m. on Thursday, May 1. If you wish to have group seating, a voucher must be presented at the same time for each person in your group. Tables are reserved on a first-come, first-served basis. The Dinner Seating desk will be located in the AAE Registration and Information area during the following hours:

Tuesday: 3 - 8 p.m.
Wednesday: 7 a.m. - 8 p.m.
Thursday: 7 a.m. - 6 p.m.
Friday: Closed
Saturday: Closed



# **GENERAL INFORMATION, CONTINUED**

# **Registration Categories**

Annual Session registration categories include the following activities and events:

**Professional Member:** Sessions and Exhibits, Welcome Reception, Opening Session Breakfast, Continental Breakfasts, Coolidge and Colleagues Luncheons, *Celebrate Tampal*, President's Dinner.

**Student Member:** Sessions and Exhibits, Welcome Reception, Opening Session Breakfast, Continental Breakfasts, Coolidge and Colleagues Luncheons, *Celebrate Tampa!* (Note: Pending members must register as Professional members.)

Auxiliary Member: Sessions and Exhibits, Welcome Reception, Auxiliary Breakfast, Continental Breakfasts, Coolidge and Colleagues Luncheons, Celebrate Tampa! (Note: The Auxiliary member category 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: Alliance program activities, Welcome Reception and Celebrate Tampa! (Note: Fee includes \$50 for AAE Alliance membership dues. Alliance registrants are welcome to attend exhibits and sessions but cannot receive continuing education credits.)

Professional/Student/Auxiliary Guests and Family: Welcome Reception and Celebrate Tampa!

# **Restaurant Guide**

A list of Tampa restaurants is available at the AAE Registration and Information desk. Use this guide to make reservations directly or visit your hotel's concierge for assistance.

# **Session Handouts**

Speakers are encouraged to provide handouts for their session. Handouts received by the AAE will be distributed at the corresponding session.

# **Session Recording**

Many of the sessions presented will be recorded and available for purchase on CD-ROM. Please refer to the provided Audio Recording Order Form, or visit the Sound of Knowledge sales desk in the AAE Registration and Information area.

# **Simultaneous Translation**

Translation from English to
Spanish, Japanese, Italian and Portuguese
will be available for the Pre-Session
Symposium on Wednesday as well as key
sessions on Thursday and Friday. To obtain
a complimentary headset, please stop by
the Translation desk located in the AAE
Registration and Information area during
registration hours. Headsets will be
distributed on a first-come, first-served
basis.

# **Speaker-Ready Room**

Presenters may view their presentations or obtain assistance in Room 16 at the Tampa Convention Center.

# **Special Assistance**

If you have a physical, communication or dietary restriction that may affect your participation in Annual Session activities, please see Joan Kulikowski at the AAE Registration and Information desk. However, neither the AAE nor the Tampa Convention Center can ensure the availability of appropriate accommodation without sufficient notification of need.

# **Special Events and Ticket Sales**

Refer to the Special Events section of this program (page?) for a listing of special events taking place in conjunction with the Annual Session. Tickets are required for all listed events with the exception of the Welcome Reception and *Celebrate Tampa!* Your name badge will admit you to these two events.

On-site ticket sales are subject to availability. Tickets must be purchased at least 24 hours prior to the event, with the exception of the President's Dinner, for which tickets must be purchased by 6 p.m. on Thursday, May 1. If you are uncertain whether a ticket is included in your registration fee, please see the Registration Categories explanation above.

# **Tour Program**

The optional tour program, offered by Premier Convention Services, has been designed exclusively for AAE attendees. Pre-paid tickets must be picked up in advance of the tour. Stop by the Optional Tour Counter in the AAE Registration and Information area during the times listed below. All tours depart from the Tampa Convention Center, Channelside Entrance.

Tuesday: 3 - 8 p.m.

Wednesday: 9 a.m. - 1 p.m.

Thursday: 9 a.m. - 1 p.m.



# ~ new horizons

# **SPECIAL EVENTS**

KEY:

TCC = Tampa Convention Center

TMW = Tampa Marriott Waterside

# Wednesday

6:30 – 8 p.m.

Welcome Reception and 6th Annual Alliance Silent Auction

TCC — Riverwalk

Don't miss this opening night event that provides you the opportunity to see friends and meet new colleagues. Come dressed casually for this outdoor festivity. Once again, the AAE Alliance will dazzle you with an array of items for auction. Past items have included hotel getaways, original art, autographed items and much more. Make sure you bid early. Your support will assist the Alliance in meeting its \$300,000 pledge to the AAE Foundation.

# **Thursday**

8 – 10 a.m. \*

# Opening Session Breakfast

TCC — West Hall

Join fellow attendees at the breakfast table to kick-off the 2003 Annual Session! Dr. Samuel O. Dorn, AAE President, will present the keynote address. In addition, breakfast attendees will receive an overview of the many different activities, sessions and presentations that await them in the days ahead.

Noon - 1:30 p.m. \*



Louis I. Grossman Memorial Luncheon Working Together: It's Only Our Future TCC — Ballroom D

Sponsored by the College of Diplomates of the American Board of Endodontics, this year's

luncheon program will recognize endodontists who achieved Board certification during 2002. Dr. D. Gregory Chadwick, AAE member, Diplomate and immediate past president of the American Dental Association, will present some opportunities and responsibilities for arriving at our future together.

Dr. Chadwick's wide range of experience will awaken your spirits and broaden your horizons. New Diplomates will be inspired by his insightful message.

# **Exhibit Hall Happy Hour and Foundation Live Auction** (Bidding opens at 5:30 p.m.)

TCC — East Hall

Wind down in a casual atmosphere immediately following Thursday's educational program. The Foundation Live Auction will be conducted at a new event, the Exhibit Hall Happy Hour, at the AAE Oasis in conjunction with this added 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. Proceeds benefit the AAE Foundation.

# **Friday**

6:30 a.m.

Fun Run

TCC — Riverwalk

Bring your running gear and join fellow AAE members, family and friends for a refreshing and scenic morning run along Tampa Bay. Route maps will be available the morning of the run for short, intermediate and long distance runners.

# 11:30 a.m. - 1 p.m. \* Edgar D. Coolidge Luncheon TCC — West Hall

Plan now to be a part of the ceremonies to honor these outstanding AAE members. All awards will be presented at this luncheon with the exception of the graduate student winners. (See Colleagues Luncheon.)



Edgar D. Coolidge Award Noah Chivian, D.D.S.

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



Louis I. Grossman Award Franklin S. Weine, D.D.S. Recognizes an author for cumulative publication of significant research studies that have made an extraordinary contribution to endodontics.

<sup>5 - 6</sup> p.m.

<sup>\*</sup> Meals will be served in the first 30 minutes of the noted time.



# SPECIAL EVENTS, CONTINUED



Edward M. Osetek Educator Award Shahrokh Shabahang, D.D.S., M.S., Ph.D. 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

F. James Marshall, D.M.D., M.S.
Presented to an individual who has been a full-time educator for at least 15 years, whose contributions to endodontics have demonstrated excellence through selfless commitment to full-time educational pursuits, and whose 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 E. Sommer Award
Miomir Cvek, D.M.D., Ph.D.
Recognizes an author of a publication of specific significance to the science and art of endodontology or for an article describing developments or advances in methodology and/or materials and devices and for constructive influence on clinical practice.

9 p.m. – midnight *Celebrate Tampa!* 

A party celebration sponsored by Dentsply Tulsa Dental

TMW — Grand Ballroom

Back by popular demand, this late-night event gives you the chance to pull out all the stops in a casual atmosphere while getting a taste of "Margaritaville." Kick up your heels to the lively sounds of familiar music, enjoy libations with friends and help us celebrate!

# **Saturday**

11:30 a.m. – 1 p.m. \* Colleagues Luncheon

TCC — Ballroom

Take a break from learning and have lunch with your colleagues. Awards will be given to the graduate student winners for oral and poster research presentations and table clinics. Be sure to join us in congratulating these award recipients.

7 p.m. – Reception 8 p.m. – Dinner President's Dinner TCC — Ballroom

Join your colleagues for a spectacular evening of fine dining and entertainment at this traditional event hosted by Dr. Samuel O. Dorn, AAE President.

(Black tie optional. Advance table assignment is required. Please see p. 37 for details.) A non-host bar will be available throughout the reception, dinner and dancing.



<sup>\*</sup> Meals will be served in the first 30 minutes of the noted time.



# **BOARD AND COMMITTEE MEETINGS**

# Sunday, April 27

ABE Board of Directors 8 a.m. - 6 p.m.

Marriott, Room 7

# Monday, April 28

AAE Board of Directors 8:30 a.m. – 5 p.m. Marriott, Room 12

# **Tuesday, April 29**

AAE Foundation Board of Trustees 8 a.m. – 5 p.m.
Marriott, Room 12

# Wednesday, April 30

Honors and Awards Committee 9 a.m. – noon
Marriott, Room 1

Incoming Board of Directors Orientation Meeting

1 – 3 p.m. Marriott, Room 4

# Friday, May 2

Editorial Board 7 – 8:30 a.m.
Marriott. Room 4

2003 – 2004 Committees Breakfast 7 – 8 a.m.
Marriott, Room 8/9/10

# Saturday, May 3

Past Presidents Breakfast 8:30 – 9:30 a.m. Marriott, Room 4

2004 Annual Session Committee

10 a.m. – noon Tampa Convention Center, Room 3/4

Sunday, May 4

AAE Board of Directors 8:30 a.m. – 3 p.m. Marriott, Room 12

# **ALLIANCE ACTIVITIES**

# Wednesday, April 30

Sixth Annual Silent Auction 6:30 – 9 p.m. Convention Center, Rotunda

This event, held in conjunction with the Welcome Reception, benefits the AAE Foundation. Proceeds will be presented at the Edgar D. Coolidge Luncheon (ticket required).

# Thursday, May 1

Alliance Board of Directors Meeting 2 – 3:30 p.m.
Marriott, Bayshore Boardroom

**Foundation Live Auction** 

5 – 6 p.m. Convention Center, East Hall

# Friday, May 2

Alliance General Membership
Meeting
8:30 – 10 a.m.
Marriott, Florida Ballroom, Salon IV

# Saturday, May 3

Alliance Incoming Board of Directors Meeting 7:30 – 8:30 a.m. Marriott, Room 3

Alliance Member Breakfast

8:30 - 10 a.m. Marriott, Grand Ballroom, Salons G/J

# **AAE ALLIANCE OFFICERS**

# **President**

Rebecca Funderburk (David)

# **President-Elect**

Danielle Semitecolos (Randy Griffin)

# Secretary

Carol Hovland (Eric)

# **Treasurer**

Judy Calhoun (Richard)

# **Parliamentarian**

Carol Cooke (Groves)

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Stella Delgado (Frank)





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# **ALUMNI AND AFFILIATE FUNCTIONS**

All functions will take place at the Tampa Marriott Waterside unless otherwise noted.

# Wednesday, April 30

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

Meeting Room 12

Medical College of Georgia Reception: 5 – 6:30 p.m. Florida Ballroom, Salon I

Northwestern University Reception: 8 – 9:30 p.m. Grand Ballroom, Salon B

U.S. Army Association of Endodontists
Reception: 4:30 – 6:30 p.m.
Meeting Room 13

\*University of Detroit Mercy Dinner: 8:30 p.m.

# Thursday, May 1

Boston University Alumni Association Dinner: 7 p.m. – midnight Grand Ballroom, Salon F

Case Western Reserve University Reception: 5:30 – 7:30 p.m. Meeting Room 10

Florida Association of Endodontists and Nova Southeastern University Reception: 8:30 – 10 p.m.

Grand Ballroom, Salon E

Harvard School of Dental Medicine Reception: 6 – 7:30 p.m. Grand Ballroom, Salon I

Iowa Endodontic Group Reception: 6 – 8 p.m. Florida Ballroom, Salon IV Louisiana State University Reception: 6 – 9 p.m. Florida Ballroom, Salon I

\*Loyola University Dinner: 7 - 9 p.m. Shula's Steakhouse

Michigan Association of Endodontists
Reception: 6:30 - 8 p.m.
Grand Ballroom, Salon C

New York University Reception: 6 – 8 p.m. Meeting Room 6

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

Meeting Room 12

Temple University
Reception: 6 – 7 p.m.
Meeting Room 13

Tufts University
Reception: 6 - 7:30 p.m.
Florida Ballroom, Salon III

UNC Tarheel Endodontists Reception: 6 - 7:30 p.m. Grand Ballroom, Salon G

University of Buffalo Reception: 5 - 7 p.m. Grand Ballroom, Salon A

\*University of Illinois Dinner: 6 – 9 p.m.

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# **ALUMNI AND AFFILIATE FUNCTIONS, CONTINUED**

University of Louisville Reception: 6:30 – 8 p.m. Grand Ballroom, Salon B

University of Maryland Reception: 6:30 – 8:30 p.m. Grand Ballroom, Salon H

University of Missouri-Kansas City Meeting: **5 - 6 p.m.**Hyatt Regency, Buccaneer D

University of Pennsylvania Reception: 6 - 7:30 p.m. Grand Ballroom, Salon D

University of Pittsburgh Reception: 6 – 8 p.m. Meeting Room 11

University of Southern California Reception: 6:30 – 8 p.m. Grand Ballroom, Salon J

University of Texas-Houston Reception: 5:30 - 7 p.m.

Meeting Room 2

University of Texas-San Antonio Reception: 6 – 8 p.m. Florida Ballroom. Salon V

University of Washington Reception: 6:30 – 8 p.m. Florida Ballroom, Salon II

\*U.S. Navy Association of Endodontists
Reception: **5:30 – 7:30 p.m.** 

Virginia Commonwealth University/ Medical College of Virginia Reception: **5:30 - 7 p.m. Meeting Room 5** 

West Virginia University
Business Meeting: 5:30 - 7 p.m.
Greco Boardroom

# Friday, May 2

Albert Einstein Endodontic Alumni Society

Reception: 6 - 7:30 p.m. Meeting Room 11

Marquette University Reception: 6 – 7 p.m. Meeting Room 7

Oklahoma Association of Endodontists
Breakfast Meeting: 7 – 8:30 a.m.
Meeting Room 2

University of Florida Reception: **5:30 – 6:30 p.m. Meeting Room 12** 

University of Michigan
Breakfast Meeting: **7 – 8:30 a.m. Meeting Room 1** 

University of Toronto Endodontic Alumni and Friends
Breakfast Meeting: 7 – 8:30 a.m.
Florida Ballroom, Salons I/II

# Saturday, May 3

Boston University Alumni Breakfast Meeting: **7 – 8:30 a.m.** Florida Ballroom, Salon VI

U.S. Air Force Association of Endodontists
Breakfast Meeting: **7 – 8:30 a.m.**Meeting Room **1** 

U.S. Navy Association of Endodontists
Breakfast: 7 – 9:30 p.m.
Meeting Rooms 8/9/10

\*Locations are off-site.

# **OTHER FUNCTIONS**

# Wednesday, April 30

Endo Standards Group Meeting: 1 – 5 p.m. Meeting Room 2

# Thursday, May 1

Christian Endodontic Society Reception: 5 – 6 p.m.

Meeting Room 7

French Society of Endodontics Reception: 7:30 – 10 p.m. Florida Ballroom, Salon VI

Harry J. Healey Endodontic Study Club Reception: 6:30 – 8:30 p.m. Meeting Room 8

International Federation of Endodontic Associations
Board of Directors Meeting: 2 – 4 p.m.
Greco Boardroom

Reception: 6 – 7:30 p.m. Meeting Room 9

# Friday, May 2

International Federation of Endodontic Associations
General Assembly: 7 - 8:30 a.m.
Meeting Room 35, Tampa
Convention Center

Endodontic Section of ADEA
Business Meeting: 11 – 11:30 a.m.
Tampa Convention Center, Room 11

Japanese Endodontist Study Group Meeting: 3 – 6 p.m.

II Terrazo Private Dining Room

Resident's Reception

6 – 8 p.m. Meeting Room 8/9/10

# Saturday, May 3

Triple O Endodontic Section Editorial Board Breakfast Meeting: **7 – 8:30 a.m. Meeting Room 2** 



# PRE-SESSION SYMPOSIUM

# Clinical Aspects of Endodontic Microbiology

# **Tampa Convention Center, West Hall**

The Continuing Education Committee presents this timely and informative evidence-based presentation on "Clinical Aspects of Endodontic Microbiology." The success and failure of endodontic treatment ultimately depends on our ability to eliminate or entomb any infective agents present. This requires a significant understanding of the latest information regarding the microbiology of the endodontically diseased tooth. Distinguished and well-qualified speakers will address the issue of understanding and eliminating endodontic infection.

After a brief introduction to the clinical relevance of the topic by Dr. Robert S. Roda, Dr. Goran Sundqvist will present an in-depth look at the nature of endodontic flora. Following this, Dr. Mahmoud Torabinejad will provide a discussion of the smear layer and the clinical question of whether it needs to be removed or left in place. After lunch, Dr. Kenneth M. Hargreaves will enlighten the audience about the uses and abuses of antibiotic therapy in the clinical setting, and the last segment will have Dr. Markus Haapasalo providing an interesting look at the latest developments in canal sterilization. Then, Dr. Roda will moderate a question and answer session to finish the day. Following the presentation, the listener should have a thorough understanding of what is needed to minimize the incidence of persistent disease in endodontically treated teeth.

Wednesday, April 30				
7 – 8 a.m.	Continental Breakfast Ballroom			
8 – 8:30 a.m.	Introduction			
8:30 – 10 a.m.	The Nature of the Root Canal Infection			
10 - 10:30 a.m.	Break			
10:30 a.m. – noon	Clinical Implications of the Smear Layer			
Noon – 1:30 p.m.	Lunch Ballroom			
1:30 – 2:45 p.m.	Pharmacological Treatments of Odontogenic Infections			
2:45 – 4 p.m.	New Trends in Canal Sterilization			
4 – 4:30 p.m.	Question/Answer Session			

ROBERT S. RODA, D.D.S., M.S. SCOTTSDALE, ARIZ.



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

Манмоно

TORABINFIAD.



Goran Sundqvist, D.D.S., Ph.D. Umea, Sweden

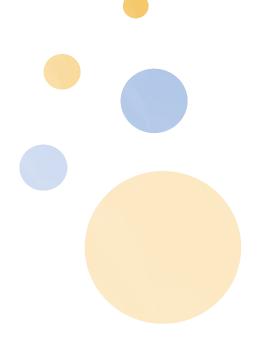


KENNETH M. Hargreaves, D.D.S., Ph.D. San Antonio, Texas



MARKUS HAAPASALO, D.D.S., Ph.D. Oslo, Norway





# pre-session symposium • wednesday

final program

# The Nature of the Root Canal Infection

GORAN SUNDQVIST, D.D.S., Ph.D.

In this presentation, the mechanisms behind the development of infection in the root canal will be discussed. The adaptation to the environment, the interactions between bacteria and how the nutritional demands are fulfilled will be considered. The survival mechanisms of bacteria that can withstand the treatment and how they adapt to starvation will be discussed, as they are crucial for the outcome of the treatment. Advantages and limitations of molecular identification of microorganisms from endodontic infections will be presented.

At conclusion, participants should be able to:

- Identify mechanisms behind the establishment of the typical endodontic microbial flora.
- Understand microbial etiology of endodontic treatment failures.
- Recognize pathogenic mechanisms of specific bacteria implicated in persistent infections.

# Clinical Implications of the Smear Layer in Endodontics

\*MAHMOUD TORABINEJAD, D.M.D., M.S.D., PH.D.

One of the major objectives of root canal treatment is complete cleaning and disinfection of the root canal system. Presence of bacteria, complexity of the root canal system and the smear layer hamper achievement of this task. Many methods have been proposed to achieve these goals, none of which are totally effective or have received universal acceptance. A mixture of a tetracycline, an acid and a detergent (MTAD) has recently been suggested as a final irrigant to remove the smear layer and disinfect the root canal system. The properties of this solution will be compared to those of currently used intra-canal irrigants and medications.

At conclusion, participants should be able to:

- Recognize the complexity of the root canal system and structure of the smear layer.
- Discuss the effect of smear layer on cleaning and obturation of the root canal system and methods for its removal.
- Compare and contrast the actions of currently used root canal irrigants with those of a newly developed solution (MTAD) for the removal of the smear layer and disinfection of the root canal system.

# Pharmacological Treatment of Odontogenic Infections

KENNETH M. HARGREAVES, D.D.S., Ph.D.

This presentation will provide an overview of the relative importance of patient factors, clinical factors and pharmacologic factors in managing endodontic infections; the mechanisms of antimicrobial drugs; those antimicrobial drugs that show the greatest activity against endodontic pathogens; the outcomes of clinical trials on the effects of antimicrobial agents on endodontic pain and infection; the value of combining pharmacologic and endodontic treatment approaches; and potential adverse effects and drug interactions with antimicrobial drugs.

At conclusion, participants should be able to:

- Understand the relative importance of antimicrobial drugs compared to patient factors and endodontic treatment approaches in treating odontogenic infections.
- Apply the knowledge of the relative advantages, adverse effects, drug interactions and costs of antimicrobial drugs in selecting the most appropriate pharmacologic strategy for treating endodontic infections.
- Determine patient response to treatment and the emergence of potential adverse effects after antimicrobial therapy.

# **New Trends in Canal Sterilization**

MARKUS HAAPASALO, D.D.S., Ph.D.

The practitioner will be guided to a detailed understanding of canal sterilization. Emphasis will be placed on the role in disinfection/sterilization of the following elements: host defense, instrumentation, irrigation, local disinfectants and root filling. Newest research of the inactivation of disinfectants by local factors in the root canal will be presented to facilitate understanding success and failure in sterilization.

At conclusion, participants should be able to:

- Understand that canal sterilization is a concerted effort by several factors.
- Understand basic microbial ecology in the root canal.
- Understand inactivation of local disinfectants.

<sup>\*</sup>Speakers serving as consultants and/or who have commercial interests in the subject matter are denoted by an asterisk. The statements and opinions expressed in session synopses are solely those of the individual speakers. Their statements and opinions do not reflect any opinion or endorsement by the AAE.



# **EDUCATIONAL SESSIONS**

# ➤ 8:30 - 10:30 a.m.

# **Management Widgets**

# **Room 13/14**

Moderator: Nora L. Salinas Bellaire, Texas

Participants will learn about tools to improve patient

contact procedures from the initial call to check out. Guidelines to assist in modifying and updating office practices and policies concerning patient contact will be presented. The three aspects of patient care to be addressed are taking the call, meeting and greeting, and check out, i.e., saying good-bye.

At conclusion, participants should be able to:

- Gain desired information from the initial patient call.
- Update and implement meaningful and positive "welcome to our office" procedures.
- Convey final appropriate patient information for check out and after care.

# Typical Patient Questions Encountered When the Doctor Leaves the Room

# Room 15/16

Moderator: Meghan Gauthier Lynn, Mass.



LOUIS MARION, D.M.D. M.S., PHILADELPHIA, PA.

MARCI T. SIMPSON

WEST DES MOINES.



This presentation will cover those "hot topics" that patients are reading and asking about. Topics such as bleaching, veneers, dental esthetics and implants will be reviewed. Sometimes more of the questions about these treatments are directed to the staff when the doctor leaves the room. This lecture will cover many aspects of these treatments, provide answers to those questions and help inform patients so they can make educated decisions.

At conclusion, participants should be able to:

- Discuss current advances in crown, bridge and implant restorations to understand current restorative options for the endodontically treated tooth as well as the other teeth and/or areas in the mouth.
- Discuss other treatment modalities concerning esthetics, such as bleaching, veneers and all-ceramic crowns.
- Gain knowledge to address the items patients care most about: pain, function and appearance.

# ▶ 10:30 a.m. – noon

# **Oral Research Presentations I**

# **Graduate Student Section**

#### **Room 10**

MODERATOR: SHAHROKH SHABAHANG, D.D.S., M.S., PH.D. LOMA LINDA, CALIF.

#### 10:30 a.m.

Leakage and Sealer Penetration in Smear-Free Dentin After a Final Rinse With 95% Ethanol

RICHARD W. STEVENS, D.D.S., M.S. (PRESENTER) NAVAL POSTGRADUATE DENTAL SCHOOL

# 10:45 a.m.

# Sealing of Furcal Perforations With MTA and One-Up Bond

(This session will not be recorded.)

IKE HARDY, D.D.S. (PRESENTER)

F.R. Liewehr, A.P. Joyce, K. Agee, D.H. Pashley, U.S. Army Dental Activity, Ft. Gordon and Medical College of Georgia

#### **11** a.m

# Effect of Storage on the Setting Time of MTA

MICHAEL S. WINICK, D.D.S. (PRESENTER)
M.L. HICKS, ALBERT EINSTEIN MEDICAL CENTER

#### 11:15 a.m.

In Vivo Assessment of Root Fillings Augmented by White MTA Orifice Plugs

TERENCE MAH, D.D.S. (PRESENTER)
B. BASRANI, S. FRIEDMAN, UNIVERSITY OF TORONTO

# 11:30 a.m.

# Bond Strength Comparison of Three Cements for the Retention of Prefabricated Posts

(This session will not be recorded.)

JOSEPH W. VARGAS, D.D.S. (PRESENTER) F.R. LIEWEHR, A.P. JOYCE, R.R. RUNNER, U.S. ARMY DENTAL ACTIVITY, FT. GORDON

#### 11:45 a.m.

**Evaluation of Ultrasonically Placed MTA** in a Model of Apexification

GEORGE R. LAWLEY, D.D.S. (PRESENTER)
W.G. SCHINDLER, W.A. WALKER, D. KOLODRUBETZ, WILFORD HALL
U.S.A.F. MEDICAL CENTER AND UNIVERSITY OF TEXAS AT SAN ANTONIO

# educational sessions • thursday final program

# **Oral Research Presentations II**

# **Endodontist Section**

# Room 11

MODERATOR: ROBERT J. LOUSHINE, D.D.S. MARTINEZ, GA.

## 10:30 a.m.

Efficiency of NiTi Rotary Instrumentation in Root Canal Bacterial Elimination

FABIENNE PEREZ, D.D.S. (PRESENTER)

M.P. CHUSTE, C. BADET, J.F. PELI, UFR ODONTOLOGIE, BORDEAUX, FRANCE

#### 10:45 a.m.

Effectiveness of Root Canal Instrumentation With RaCe: An SEM Study

(This session will not be recorded.)

MICHAEL A. BAUMANN, D.D.S., Ph.D. (PRESENTER)

O. LEINBROCK, M. HELLMICH, U.A. BAUMANN-GIEDZIELLA, UNIVERSITY OF COLOGNE, GERMANY, AND INSTITUTE FOR MEDICAL STATISTICS, COLOGNE, GERMANY

#### **11** a.m.

Effect of Gates Glidden Bur Size on Residual Dentin Thickness in Mandibular Molars

ANTHONY L. HORALEK, D.D.S., M.S. (PRESENTER)
D.C. SARRETT, J.M. CARTER, A.M. BEST, U.S. ARMY DENTAL ACTIVITY, HANAU, GERMANY, AND VIRGINIA COMMONWEALTH UNIVERSITY

# 11:15 a.m.

Tissue Dissolution Capacity and Dentin Disinfecting Potential of Calcium Hydroxide Mixed With Irrigating Solutions

MATTHIAS ZEHNDER, D.D.S. (PRESENTER)
G. HASSELGREN, T. WALTIMO, UNIVERSITY OF ZÜRICH, SWITZERLAND, COLUMBIA UNIVERSITY AND UNIVERSITY OF TURKU, FINLAND

# 11:30 a.m.

Dimensional Stability of Rotary Nickel Titanium Instruments

BENJAMIN M. BRISEÑO, D.D.S. (PRESENTER)

B. HAGEDORN, H. FERRARA, B. WILLERSHAUSEN, UNIVERSITY OF MAINZ, GERMANY

#### 11:45 a.m.

Comparison of the Anesthetic Efficacy of Maxillary Infiltration and Intraosseous Injection

JOHN M. NUSSTEIN. D.D.S., M.S. (PRESENTER)

M. WOOD, A. READER, M. BECK, D. PADGETT, J. WEAVER, OHIO STATE UNIVERSITY

# **▶ 1:30 – 3 p.m.**

# ABE Boardwalk: Focusing on the Case Portfolio

# **Room 12**

The Directors of the American Board of Endodontics will highlight the case portfolio phase of the ABE certification process. Criteria for successful case portfolio submissions will be outlined along with suggestions for enhancing case selection, radiographic and narrative documentation, and portfolio assembly. The program is designed to provide interested individuals with the opportunity to interact with the Directors and to clarify concerns regarding the certification process.



J. CRAIG BAUMGARTNER, D.D.S., M.S., Ph.D. PORTLAND, ORE.



PAUL D. ELEAZER, D.D.S. BIRMINGHAM, ALA.



GERALD N. GLICKMAN, D.D.S., M.S., J.D. DALLAS, TEXAS



GARY R. HARTWELL, D.D.S., M.S. RICHMOND, VA.



BILLIE G. JEANSONNE, D.D.S., Ph.D. NEW ORLEANS, LA.



KEITH V. KRELL, D.D.S., M.S., M.A. West Des Moines, Iowa



PAUL A. ROSENBERG, D.D.S. NEW YORK, N.Y.



WILLIAM G. SCHINDLER, D.D.S., M.S. SAN ANTONIO, TEXAS



CHRISTOPHER S. WENCKUS, D.D.S. CHICAGO, ILL.





# orizons

# 1:30 - 3 p.m., continued

# **Practice Solutions and** Office Strategies

# Room 13/14

MODERATOR: TERRYL A. PROPPER, D.D.S., M.S. Brentwood, Tenn.

Our panel of experienced office personnel comes from a variety of practice settings as well as geographic locations. However, the issues faced every day are universal for every practice. The session will include discussion on the dilemmas faced daily and the best strategies for dealing with them. The panel discussion will









DENIS LYNCH.

D.D.S., Ph.D.

Milwaukee, Wis.



focus on customer service, insurance issues, collections and converting to a paperless office.

At conclusion, participants should be able to:

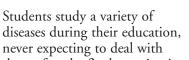
- Appreciate the importance of giving good service internally as well as externally.
- Understand how to control accounts receivable by utilizing the tools available to obtain goals.
- Benefit from minimizing errors and maximizing time.
- Compare "old school" versus "new school" in converting to a paperless office.

# Infectious Hazards in Dentistry

# Room 15/16

MODERATOR: LYNNE A. BALDASSARI-CRUZ. D.D.S. Menlo Park, Calif.

Students study a variety of diseases during their education,



them after the final examination. There has been a dramatic increase in the number of infectious diseases of significance to dentistry. This course is designed to provide an overview of clinical signs and symptoms of infectious hazards in the dental office. Emphasis will be placed on recognition, diagnosis procedures, treatment and referral.

At conclusion, participants should be able to:

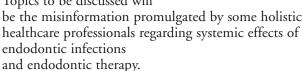
- Describe the major clinical signs and symptoms of infectious hazards in dentistry.
- Describe the common diagnostic procedures for infectious hazards in dentistry.
- Describe the routine treatment of infectious hazards in dentistry.

# Modern Endodontics and the Holistic Challenge

# **Room 18**

MODERATOR: ARLENE STEIN, D.M.D. AURORA, CALIF.

This program will provide historical and evidence-based information regarding the relationship between oral health and systemic diseases. This course will focus on the endodontic relationship. Topics to be discussed will



At conclusion, participants should be able to:

- Apply this knowledge to the misinformation that some holistic health care professionals, including dentists, tell patients and the media.
- Explain to patients and our dental colleagues the evidencebased information that challenges the negative myths regarding endodontic infection and endodontic therapy.
- Understand the evidence-based approach the AAE has undertaken to answer the concerns regarding the relationship between endodontic disease and systemic health.

# Achieving Precision in Endodontic **Diagnosis and Treatment Planning**

# **Room 19**

MODERATOR: STEPHEN M. WECHSLER, D.D.S. NEWARK, N.J.

ALAN J. NEVINS. D.D.S. SOUTHAMPTON, N.Y.

LESLIE ELFENBEIN.

JEFFREY W. HUTTER,

D.M.D., M.Ed.

BOSTON, MASS.

D.M.D.

CLIFTON, N.J.





An accurate result in the diagnostic process is reliant upon meticulous observation, data collection and cognitive skills. A specific protocol to record and assimilate information, as well as a congenial approach to explain findings to patients and general dentists will be presented. This presentation will span the topics of cellular content of periapical lesions, perio-endo pathology, traumatic injuries and nonodontogenic "periapical lesions."

At conclusion, participants should be able to:

- Understand diagnostic technique protocol in collecting and assimilating data.
- Understand differential diagnosis of lesions that are nonendodontic in origin.
- Diagnose and plan treatment for teeth that have undergone traumatic injury.

# educational sessions • thursday

final program

# Microscopic Photography

# Room 20

MODERATOR: BART B. MORRISON, D.D.S., M.S. IDAHO FALLS, ORE.

This presentation will give a unique opportunity to the participants to understand and





learn the principles of microscopic photography in its different forms. From conventional to digital, the participants will learn simple and easy clinical setups to create outstanding reports that enhance their communication with patients, referring dentists and insurance companies. This easy, step-by-step presentation will eliminate difficulties and resistances, even from the most computer-phobic endodontist.

At conclusion, participants should be able to:

- Know different microscopic photographic systems and choose one of them to use.
- Develop tools using various media to enhance communication with patients.
- Use the surgical operating microscope as a powerful documentation and communication tool.

# Pulp Therapy for Permanent **Tooth With Immature Apices**

# **Room 21**

MODERATOR: DONALD J. KLEIER. D.M.D. DENVER, COLO.

JOE H. CAMP, D.D.S., M.S.D. CHARLOTTE, N.C.



During tooth formation, all endodontic treatment must have as its goal preservation of pulpal vitality to allow completion of root development. This presentation will outline conservative methods and the difference in management of the pulp following traumatic injuries and caries. Included are pulp capping, pulpotomy, partial pulpotomy, new methods of treatment for pulpless permanent teeth and strengthening weak roots with bonded composite.

At conclusion, participants should be able to:

- Understand root development and associated pulpal problems, and how to strengthen weak roots.
- Learn differences in treating pulpal involvement with caries and traumatic injuries.
- Learn techniques to greatly shorten treatment times for pulpless teeth with incomplete developed apices.

# Take Two Aspirin and Call Me in the Morning

# Room 22/23

MODERATOR: LOUIS E. ROSSMAN, D.M.D. PHILADELPHIA. PA.

Pain management can be considered the foundation of

clinical dentistry. This presentation will examine the role of the nonsteroidal anti-inflammatory drugs (NSAIDS), acetaminophen and narcotics in the treatment of pain. There are over 20 NSAIDS marketed and numerous acetaminophen, narcotic combinations. This clinicallyoriented presentation will focus on the mechanisms of action of these various drugs, side effects, contraindications, drug interactions and limitations. Information about dose, duration of action and onset will be included.

At conclusion, participants should be able to:

- Compare and contrast the mechanisms of action, side effect profile and risks associated with the various NSAIDS, narcotics and acetaminophen.
- Know the FDA Pregnancy Risk Factor assigned to each class of drugs.
- Know the contraindications of each class of drugs presented.

# Are You Referring to Me?

# Room 24/25

MODERATOR: ROBERT L. REAMES, D.D.S., M.S.D. ARLINGTON, TEXAS

This fast-moving lecture is filled with practical, hands-on, user-friendly pearls that endodontists can take back to

their offices and use immediately. Topics include developing new referral sources, motivating dentists to refer, incorporating new technology into the practice, handling financial arrangements with patients and staff motivation. There will also be a special section on how to target "rising stars" among general dentists and turn them into referral superstars.

At conclusion, participants should be able to:

- Create a "mini-marketing plan" and put it into action for maximum results.
- Position their practice and serve as a problem-solver who is sought by general dentists.
- Cultivate new referral sources.





B. ELLEN BYRNE,

D.D.S., Ph.D.

MIDLOTHIAN, VA.





DAVID SCHWAR.

LAKE MARY, FLA.



# ▶ 1:30 – 3 p.m., continued

# Creating Endodontic Excellence



# **Ballroom A**

Moderator: Kevin T. King, D.D.S. Chicago, Ill. \*CLIFFORD J. RUDDLE,
D.D.S.
SANTA BARBARA,
CALIE.



(This session will not be recorded.)

Properly performed endodontic treatment is

the cornerstone of restorative and reconstructive dentistry. This session will review basic biological principles and emphasize the evidence-based decisions and techniques that serve to promote the long-term retention of essential teeth. This presentation will focus on the critical factors that guide each case to successful completion, including root canal system anatomy, access cavities, three-dimensional cleaning and shaping procedures, finishing criteria and vertical condensation of warm gutta-percha.

At conclusion, participants should be able to:

- Identify the biological and clinical factors that influence success.
- Utilize "microsonic" techniques to refine and finish the access preparation.
- Create fully-tapered shapes and clean root canal systems.

# **Oral Presentations III**

# **Graduate Student Section**

# Room 10

MODERATOR: HAROLD E. GOODIS, D.D.S. SAN FRANCISCO, CALIF.

# 1:30 p.m.

Apical Extrusion of Thermoplasticized Obturating Material in Canals Instrumented With ProFile .06 or ProFile GT

MARK J. ROBINSON, D.M.D. (PRESENTER)
N.J. McDonald, P.J. Mullally, University of Michigan

# 1:45 p.m.

Intracanal Placement of Calcium Hydroxide: A Comparison of Techniques—Revisited

CRAIG P. TORRES, D.D.S. (PRESENTER)
M.J. APICELLA, P.P. YANCICH, M.H. PARKER, U.S. ARMY DENTAL ACTIVITY, FT. BRAGG, N.C.,
AND MEDICAL COLLEGE OF GEORGIA

#### 2 p.m.

Fractographic Analysis of Experimentally Separated NiTi Rotary Files

THOMAS A. KARN, D.M.D. (PRESENTER)
J.R. KELLY, L.S. Spängberg, University of Connecticut

# 2:15 p.m.

Comparison of Three Instrumentation Techniques in Curved Canals

VENNIS D.H. COSBY, D.M.D. (PRESENTER)

M.J. APICELLA, P.P. YANCICH, M. PARKER, U.S. ARMY DENTAL ACTIVITY, Ft. Bragg, N.C., AND MEDICAL COLLEGE OF GEORGIA

# 2:30 a.m.

Effectiveness of Three Instrumentation Systems in the Cleaning of Root Canals

NEAL E. APPELSTEIN, D.M.D. (PRESENTER)

M. Do, M.K. IQBAL, S. KIM, UNIVERSITY OF PENNSYLVANIA

# 2:45 p.m.

Use of All-In-One Adhesives to Seal Resected Apices Michael J. Murray, D.M.D. (presenter)
R.J. Loushine, D.H. Pashley, R.N. Weller, Medical College of Georgia

# **Oral Presentations IV**

# **Endodontist Section**

# Room 11

MODERATOR: CLARA M. SPATAFORE, D.D.S., M.S. SEWICKLEY, PA.

# 1:30 p.m.

Indirect Digital Image Compression for Endodontics Martha Stragusa, D.D.S. (PRESENTER)

J. McDonnell, National University of Rosario, Argentina

# 1:45 p.m.

Retreatment of Root Canals Filled With Various Canal Sealers: An *In Vitro* Study

DILEK M. DALAT, D.D.S., Ph.D. (PRESENTER)
O. ATILLA, ANKARA UNIVERSITY, TURKEY

#### 2 p.m

Association of Spirochetes With Endodontic Infections

J. CRAIG BAUMGARTNER, D.D.S., M.S., PH.D. (PRESENTER)

S. KHEMALEELAKUL, T. XIA, OREGON HEALTH & SCIENCE UNIVERSITY AND CHIANG MAI UNIVERSITY, THAILAND

# 2:15 p.m.

Helicobacter Pylori: The Oral Cavity as Potential Reservoir

KIMBERLY N. PHAM, D.M.D. (PRESENTER)

B. HAMMOND, E. WHITAKER, D. FRIEDEL, E.B. TINOCO, R.H. STEVENS, TEMPLE UNIVERSITY, TEMPLE UNIVERSITY HOSPITAL AND STATE UNIVERSITY OF RIO DE JANEIRO, BRAZIL

#### 2:30 p.m

Calcium Hydroxide Reduces LPS Stimulated Osteoclast Formation

(This session will not be recorded.)

JIN JIANG, D.D.S., PH.D. (PRESENTER)
J. ZUO, S.H. CHEN, L.S. HOLLIDAY, UNIVERSITY OF FLORIDA

#### 2:45 p.m

Statistical Evaluation of the Apical Region of Maxillary Front Teeth

BRITA WILLERSHAUSEN, D.D.S. (PRESENTER)

M. EL-SAYED, B. BRISEÑO, UNIVERSITY OF MAINZ, GERMANY

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# **>** 3:30 − 5 p.m.

Treatment Considerations of Endodontically-Involved Teeth With a Periradicular Lesion

# **Room 12**

MODERATOR: SCOTT B. McClanahan, D.D.S., M.S. BURKE, VA.

LOUIS M. LIN, B.D.S., D.M.D., PH.D. NEW YORK, N.Y.



This presentation will give audiences a more predictable treatment outcome of endodontically-involved teeth with a periradicular lesion, based on the most updated evidence-based studies. The topics to be discussed will cover etiology of the periradicular lesions, pattern of bacterial colonization in the root canal and dentinal tubules, chemomechanical instrumentation, acute exacerbation, therapy-resistant periradicular lesions, teeth with calcified canals, antimicrobial therapy, and controversy in single and multiple visit therapy.

At conclusion, participants should be able to:

- Understand the primary etiology of periradicular lesions.
- Recognize the importance of bacteriologic control in treating endodontic periradicular lesions.
- Know the limitation of antimicrobial therapy in treating endodontic periradicular lesions.

# **Practice Solutions and** Office Strategies

# Room 13/14

KIMBERLEY BARRIE, R.D.A., LAGUNA HILLS, CALIF. KRISTAN PISELLI, M.B.A., WELLESLEY, MASS. RUBY ROCHA-RYLANDER, DAVENPORT, IOWA See p. 11 for a complete session synopsis.

# Infectious Hazards in Dentistry

# Room 15/16

DENIS LYNCH, D.D.S., Ph.D., MILWAUKEE, WIS. See p. 11 for a complete session synopsis.



Microsurgical Soft Tissue Management in Endodontic Surgery—How to Reduce, Possibly Avoid, Recession





# **Room 18**

MODERATOR: HIRAN PERINPANAYAGAM, B.D.S., D.D.S., M.S. BUFFALO, N.Y.

Wound healing following marginal, sulcular flap results in recession of gingiva and loss of papilla height. However the extent of recession occurrence may depend on pathologic conditions and surgical technique used. Current flap designs, incision techniques and their limitations will be reviewed. A new flap design, the papilla base flap, will be presented. Short- and long-term clinical results demonstrate almost recession free healing of interdental papilla, when appropriate surgical techniques and methods have been used.

At conclusion, participants should be able to:

- Understand the biologic and technical factors that affect healing of the marginal soft tissues.
- Recognize advantages and limitations of current flap designs.
- Learn how to prevent and/or limit recession of the gingival tissues using microsurgical techniques.

# Geriatric Endodontics

# **Room 19**

MODERATOR: GLENN L. PAULK. D.D.S. ORLANDO. FLA.

The quality of life for older patients can improve CARL W. NEWTON, D.D.S., M.S.D. INDIANAPOLIS, IND.



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significantly by saving teeth through endodontic treatment and can have a large and impressive value in overall dental, physical and psychological health. Dental services for the older adult population require care from dentists who have advanced training in geriatric dentistry. The purpose of this presentation is to discuss the effect of aging on the diagnosis of pulpal and periradicular disease and successful root canal treatment.

At conclusion, participants should be able to:

- Understand the epidemiology of the elderly population, the incidence and prevalence of their dental disease, and the needs and expectations unique to the elderly.
- Recognize the degree of difficulty that is a factor in successful endodontic care of the elderly.
- Assist the elderly in the decision-making process when endodontic treatment is an option.



# 3:30 - 5 p.m., continued

# Apical Periodontitis and Systemic

Disease Caused by Oral Microorganisms

# **Room 20**

MODERATOR: MITCHELL H. DAVICH, D.M.D. MORRISTOWN, N.J.

A review of apical periodontitis and extraradicular infections will be presented. Recent studies have suggested that oral





D.M.D., Ph.D. Oslo, Norway



infection, especially marginal and apical periodontitis, may be a risk factor for systemic diseases. It has become increasingly clear that oral microorganisms can disseminate to distant body sites after dental procedures including endodontic therapy. This session will provide insight to the chances for oral microorganisms to spread in the bloodstream. Further, the relationship between oral infection and systemic diseases will be reviewed as well as the reliability of antibiotic prophylaxis regimens used

At conclusion, each participant should be able to:

- Describe the major microorganisms associated with endodontic infection.
- Describe the pathways linking oral infection to secondary non-oral diseases.
- Describe the systemic diseases associated with oral infection and understand the effectiveness of antibiotic prophylaxis.

**Odontogenic Infections:** Epidemiology, Microbiology, **Clinical Manifestations** and Management

PETER M. DI FIORE,



# **Room 21**

MODERATOR: PAUL A. ROSENBERG, D.D.S NEW YORK. N.Y.

The complexities and complications of odontogenic infections as they present clinically will be reviewed. Specific attention will be given to the epidemiology, microbiology and pathogenesis as a basis for clinical management in terms of surgical treatment and antibiotic therapy.

At conclusion, participants should be able to:

- Understand the pathogenicity of bacterial interactions.
- Describe the anatomic fascial spaces involved.
- Enumerate appropriate treatment modalities.

# The Rationale for Low-Torque **Nickel-Titanium Rotary** Instrumentation

# Room 22/23

MODERATOR: JAMES L. JOSTES, D.D.S., M.S. IOWA CITY, IOWA



GIANLUCA GAMBARINI, M.D., D.D.S. ROME. ITALY



This presentation will provide

the principles necessary for understanding, evaluating and using low-torque endodontic motors to their greatest benefits. Participants will learn the concept and application (advantages and disadvantages) of torque-control endodontic motors and appreciate the stress factors (anatomy, applied forces, instrument's design, techniques and operative sequences) that affect nickel-titanium rotary instruments during intracanal use and how to compensate for them.

At conclusion, participants should be able to:

- Appreciate the safety features and benefits of low-torque endodontic motors.
- Gain an intimate knowledge of stress factors that affect nickel-titanium rotary instruments and develop techniques to maximize efficiency while minimizing risks of intracanal
- Decide which technique approach is the most appropriate for a particular tooth status and anatomy.

# Are You Referring to Me? Room 24/25

DAVID SCHWAB, Ph.D., LAKE MARY, FLA.

See p. 12 for a complete session synopsis.

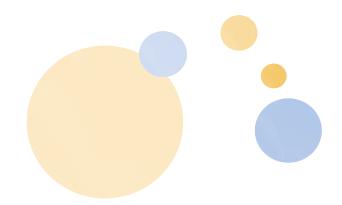
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# Creating Endodontic Excellence **Ballroom A**

 $^\star$ Clifford J. Ruddle, D.D.S., Santa Barbara, Calif.

See p. 13 for a complete session synopsis.





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# **Oral Research Presentations V**

# **Graduate Student Section**

### Room 10

MODERATOR: ASHRAF F. FOUAD, D.D.S., M.S. FARMINGTON, CONN.

# 3:30 p.m.

Identification of Resected Root-End Dentinal Cracks: A Comparative Study of Transillumination and Staining Henry M. Wright Jr., D.D.S. (PRESENTER)

R.J. LOUSHINE, R.N. WELLER, M.H. PARKER, D.H. PASHLEY, MEDICAL COLLEGE OF GEORGIA

# 3:45 p.m.

Clinical Success of a Postoperative Six-Day Oral Dose Regimen of Methylprednisolone in Symptomatic Necrotic Teeth

KATHRYN W. YOUNKIN, D.D.S., M.S. (PRESENTER)
A. READER, J. NUSSTEIN, M. BECK, J. WEAVER, D. PADGETT, OHIO STATE UNIVERSITY

# 4 p.m.

Comparison of Image Quality of F-Speed and D-Speed Film Radiographs After Processing With Three Different Rapid Chemistry Processing Solutions

ADAM J. SHIPP, D.M.D. (PRESENTER)
S.J. CLARK, W.C. SCARFE, A.G. FARMAN, J.P. SCHEETZ, UNIVERSITY OF LOUISVILLE

# 4:15 p.m.

Anesthetic Efficacy of Articaine in PDL Injections Using the Wand

Jeff S. Berlin, D.D.S. (presenter) J. Nusstein, A. Reader, M. Beck, J. Weaver, Ohio State University

#### 4:30 n.m.

Disinfection and Sterilization Techniques for System B Pluggers

(This session will not be recorded.)

CHRISTOPHER J. COOK, D.M.D. (PRESENTER)
J.P. Scheetz, R.H. Staat, S.J. Clark, University of Louisville

# **Oral Research Presentations VI**

# **Graduate Student Section**

#### Room 11

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

# 3:30 p.m.

Effect of MTAD on Some Physical Properties of Enamel and Dentin

Tanya K. Machnick, D.D.S. (presenter) C. Munoz, S. Shabahang, M. Torabinejad, Loma Linda University

# 3:45 p.m.

Are Analgesic Peptides Released by Dental Pulp Cells in Response to Bacterial Toxin?

ANGELA S. MUDIE, D.D.S. (PRESENTER)
G.R. HOLLAND, C.M. KIRKPATRICK, T.M. BOTERO, J.E. NOR, UNIVERSITY OF MICHIGAN

# 4 p.m.

Comparison of Vioxx<sup>TM</sup> to Ibuprofen in Postoperative Emergency Endodontic Patients: A Randomized Placebo- and Double-Blind Controlled Clinical Trial NIMA DAVANI, D.D.S. (PRESENTER)

H. RANKOW, L. RAYMOND, TEMPLE UNIVERSITY

# 4:15 p.m.

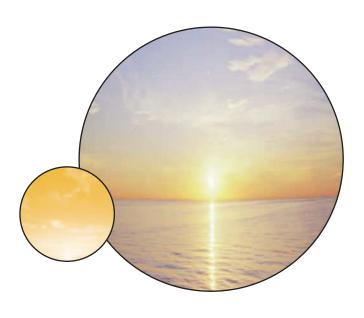
Efficacy of Pain Control Following Non-Surgical Root Canal Treatment Using Ibuprofen or a Combination of Ibuprofen and Acetaminophen in a Randomized, Double-Blind, Placebo-Controlled Study

Kim A. Menhinick, D.D.S. (presenter) J.L. Gutmann, J. Regan, S. Taylor, E. Solomon, Baylor College of Dentistry

# 4:30 p.m.

Reliability of Electrical Pulp Tester and Tetrafluoroethane Following Premedication With Analgesics

TUAN H. NGUYEN, D.D.S. (PRESENTER)
A.K. MICKEL, S. CHOGLE, J.J. JONES, T.M. CRAWFORD, CASE WESTERN RESERVE UNIVERSITY





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# 8 a.m. – 5 p.m.

# **Automated Canal Preparation:** A Hands-On Workshop

# **Room 17**

Workshop required registration in advance.

FACILITATOR: WILLIAM A. WALKER III, D.D.S. SAN ANTONIO, TEXAS



W-200

This all-day course is designed to provide participants the opportunity to learn current techniques and methods for canal preparation using rotary and reciprocating hand pieces. Participants will be given an overview of the file design and recommended technique for eight commercially available systems by representatives of their respective manufacturers. Each workshop participant will have the opportunity to employ each system in the preparation of simulated canals in plastic blocks. Participating companies include:

DENTSPLY TULSA DENTAL (Profile, ProSystem GT, Protaper)

LIGHTSPEED TECHNOLOGIES (LightSpeed)

MOYCO UNION BROACH (Power-R)

SYBRON DENTAL (Quantec, K-3)

ULTRADENT (Endo-Eze)

At conclusion, participants should be able to:

- Compare and contrast the design of rotary and reciprocating files.
- Describe the automated techniques for canal preparation.
- Discuss the advantages and disadvantages of each system.

# 8 - 9:30 a.m.

An Update on Answers to Third-Party Reimbursement Issues and CDT-4 **Endodontic Insurance** Codes

# Room 13/14

MODERATOR: MAUREEN L. SWIFT, D.D.S., M.S.D. BELLEVUE, WASH.

This presentation will provide

an update on the AAE Dental

Benefits Committee process and its progress with new products available soon to help the membership address third-party reimbursement issues. It will include the introduction of an anticipated new patient education pamphlet describing dental insurance benefits and a membership kit that includes sample letters and suggestions for working with third-party payers, and other updates on dental benefits that might be helpful. Participants will also learn about the American Dental Association's new CDT-4 codes, effective January 1, 2003, that affect endodontic procedures. The presentation will include an update on the new CDT-4 codes that may be useful in endodontic practices and a review of insurance coding for common

At conclusion, participants should be able to:

endodontic scenarios.

- Understand how the Dental Benefits Committee works with the membership.
- Understand how the new dental benefits kit will assist members with third-party reimbursement issues.
- Understand the new CDT-4 codes that are useful for endodontic practices.
- Understand how to accurately code common endodontic treatment scenarios.
- Understand where to locate information to correctly code unusual procedures.











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# The Dental Assistant's Role in

Enhancing the Patient's Experience in the Endodontic Practice

# Room 15/16

MODERATOR: PETER A. MORGAN, D.M.D. LYNN, MASS.

Many patients arrive at the endodontic office with apprehension about their impending treatment. Dental assistants can play a significant role in reducing patient anxiety and improving the quality of the patient's experience, from greeting the





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CLAUDIA TORO TAMPA, FLA.



patient in the waiting room to returning the patient to the front desk. Topics of discussion include professional greeting, escort and introduction to the treatment room, methods of reducing the patient's anxiety, explaining the details of treatment, post-operative treatment review, and dealing with parents and children.

At conclusion, participants should be able to:

- Understand how to reduce patients' anxiety.
- Understand how to communicate well with patients.
- Recognize how to increase patient satisfaction.

# Digital Radiography: To Switch or Not to Switch—Are We There Yet?

# **Room 18**

MODERATOR: MICHAEL M. HOEN, D.D.S. DETROIT, MICH.

Take a journey from where we have been to where we are now and where we can go in the future. This lecture will allow practitioners to see the



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



JOEL B. SLINGBAUM, D.M.D. Hollywood, Fla.



evolution of digital radiography from its origins to what is on tap for the future. Practitioners will experience first-hand all current systems on the market today, seeing them in action, and understanding the "terminology" used to describe the ins and outs of each system.

At conclusion, participants should be able to:

- Understand what digital radiography is and how it works.
- Make sense of sensors and understand what a pixel is and why it is important.
- Understand the advantages and disadvantages of digital radiography vs. conventional x-ray films.

# Pulpal Inflammation: Physiological and Cellular Mechanisms and Their Clinical Manifestations



MODERATOR: ASHRAD F. FOUAD, D.D.S., M.S FARMINGTON, CONN.



SYNGCUK KIM, D.D.S., Ph.D. PHILADELPHIA. PA.



This presentation is designed to introduce new basic research information on anatomical, functional and cellular mechanisms of pulpal inflammation and how this information can be used to interpret clinical findings. Topics include effects of neuropeptides on pulpal microcirculation and sensory nerves and the involvement of cGMP and cAMP in the underlying cellular mechanisms. Other new information on pulpal inflammation, the biological bases and clinical

relevance will be discussed.

At conclusion, participants should be able to:

- Understand the cellular mechanisms of pulpal inflammation involving neuropeptides.
- Apply this knowledge in the interpretation of diagnostic findings, e.g., sensitivity to heat and cold, etc.
- Understand and/or apply the new information related to pulpal inflammation.

# The Endodontist's Dilemma—Retreatment or Implant?



D.D.S.

Dallas, Texas



MODERATOR: KIRK A. COURY, D.D.S., M.S. AMARILLO, TEXAS

Endodontists often face challenges to choose endodontic retreatment or tooth extraction and an implant. This presentation addresses philosophy on implant usage, success/ failure

DAVID E. WITHERSPOON, B.D.S., M.S. Plano, Texas

JAMES L. GUTMANN







and prognosis, along with similar viewpoints on both non-surgical and surgical endodontic retreatment.

At conclusion, participants should be able to:

- Discuss the philosophy and rationale for choosing an implant over endodontic retreatment.
- Develop a treatment plan to address the need for endodontic retreatment and tooth retention with a high degree of probability.
- Discuss important parameters to be considered in differential treatment planning.



# 9:30 a.m., continued

# Persistent Endodontic Disease: Clinical Decision-Making

# Room 22/23

MODERATOR: KIRK R. BAUMGARDNER, D.D.S., PH.D. OAKDALE, MINN.

When there is persistence of disease in endodontically treated teeth, the practitioner must first diagnose the cause of the endodontic failure and then help the patient to decide on a course of action to remedy





ROBERT S. RODA, D.D.S., M.S. SCOTTSDALE, ARIZ.



the situation. The options would include extraction, nonsurgical retreatment, periradicular surgery and intentional replantation. This scientific and case-based presentation will provide information about these options to the clinician to help formulate a treatment plan that would have the greatest likelihood of long-term success.

At conclusion, participants should be able to:

- Understand the etiology of persistent endodontic disease.
- Apply this knowledge to produce rational treatment planning.
- Enhance the prognosis of clinical cases through a variety of useful techniques and methodologies.

# **Endodontic Office Design and** Renovation

# Room 24/25

MODERATOR: DARLENE C. MELTON, D.D.S. DOWNERS GROVE, ILL.

PAUL G. SATCHELL, B.Arch., D.D.S., M.S. HOUSTON, TEXAS



Endodontic office design should reflect the state-of-the-art status that the specialty has achieved. This presentation will provide guidelines and inspiration for the design of new construction and renovations. The program starts with a history of the dental office and includes dramatic images of offices from around the globe, detailed "case studies" of recent designs and much more. Topics include the differences between specialty and general practice design, and the role of the practitioner in the process.

At conclusion, participants should be able to:

- Identify endodontic office design and renovation trends, and integrate these ideas with the functional needs of their
- Understand the elements of a stress-reduced environment for endodontists, patients and staff.
- Describe the three classic components of the design process and special issues associated with renovation.

# Recent Advances in Treatment of Traumatic Dental Injuries

## Ballroom A

MODERATOR: ASGEIR SIGURDSSON, D.D.S., M.S. CHAPEL HILL. N.C.



FERNANDO GOLDBERG.

D.D.S., Ph.D.

BUENOS AIRES,

ARGENTINA



Recent advances in the understanding of pulp and periodontal healing after trauma has significantly simplified trauma treatment. This course will stress a biologic approach to treatment as well as cost/benefit analysis of different treatment procedures. Early diagnosis and treatment possibilities of various pulpal and periodontal complications will be described.

At conclusion, participants should be able to:

- Select treatment methods that optimize pulp and periodontal ligament healing after trauma.
- Use clinical and radiographic methods that can demonstrate healing complications.
- Estimate the long-term prognosis for various trauma entities.

# **Nonsurgical Endodontics**

# **Ballroom D**

MODERATOR: TOM G. GOUND. D.D.S. LINCOLN, NEB.

This presentation will introduce practitioners to the different aspects of nonsurgical

endodontic treatments, emphasizing the importance of the three-dimensional concept related to the anatomic topography, the cleaning and shaping maneuvers, and the obturation procedures. Different materials, techniques, and strategies will be discussed in order to solve the different clinical situations.

At conclusion, participants should be able to:

- Understand the importance of the three-dimensional concept for the endodontic treatment.
- Apply different procedures to each clinical situation.
- Use nonsurgical endodontic treatments to solve the majority of the endodontic problems.

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# **Oral Research Presentations VII**

# **Graduate Student Section**

# Room 10

MODERATOR: DARRELL W. ZENK, D.D.S., M.S.D.
INVER, GROVE HEIGHTS, MINN.

# 8 a.m.

Internal Geometry of Tissue Engineering Scaffold and Its Effect on Cell Seeding

NILOUFAR KHOOBEHI, D.M.D. (PRESENTER)
J.W. HUTTER, L.S. CHOU, BOSTON UNIVERSITY

#### 8:15 a.m.

Effects of Various Hemostatic Agents on Bone

DAVID D. ROLAND, D.D.S. (PRESENTER)

P. McMillan, S. Shabahang, M. Torabinejad, Loma Linda University

# 8:30 a.m.

RPP Patient Sera Possess Gingipain-Specific Antibodies That Facilitate Neutrophil-Mediated Opsonophagocytosis of *Porphyromonas Gingivalis* 

(This session will not be recorded.)

JUAN E. SAVELLI, D.M.D. (PRESENTER) T.E. VAN DYKE, F.C. GIBSON, BOSTON UNIVERSITY

#### 8:45 a.m.

Effects of Neurotrophic Factors on Neurosecretion of Adult Rat Trigeminal Ganglion Neurons in Culture

DAMARIES CANDELARIO-SOTO, D.M.D., M.P.H. (PRESENTER)
M.D. LOURIA, T.J. PRICE, C.M. FLORES, WILFORD HALL U.S.A.F. MEDICAL CENTER
AND UNIVERSITY OF TEXAS AT SAN ANTONIO

#### 9 a.m.

Emdogain Promotes Osteoblast Proliferation and Differentiation While Inhibits Osteoclast Formation and Function *In Vitro* 

Jianing He, D.D.S. (presenter) K. Safavi, L.S. Spängberg, Q. Zhu, University of Connecticut

#### 9:15 a.m.

# Study of Bone Mass and Wound Healing

(This session will not be recorded.)

DOUGLAS B. KRAUT. D.M.D. (PRESENTER)

H. Lu, H. Schilder, J.W. Hutter, D. Graves, Boston University

#### **10** a.m.

The Role of IL-1 Isoforms in Disseminating Pulpal Infection

HESHAM A. YOUSSEF, D.D.S. (PRESENTER)

P. STASHENKO, HARVARD SCHOOL OF DENTAL MEDICINE AND FORSYTH INSTITUTE

# 10:15 a.m.

Effects of Neurotrophic Factors on Neurochemical Phenotype and Survival of Adult Rat Trigeminal Ganglion Neurons in Culture

MICHAEL D. LOURIA, D.M.D. (PRESENTER)

D. CANDELARIO-SOTO, T.J. PRICE, C.M. FLORES, WILFORD HALL U.S.A.F. MEDICAL CENTER AND UNIVERSITY OF TEXAS AT SAN ANTONIO

# ➤ 8 - 11:30 a.m.

# Faculty Development Seminar:

The Integration of Computer-Based Resources to Support Dental Education

rces to Support

I Education

D.D.S.

SAN ANTONIO, TEXAS

# Room 11

MODERATOR: GERALD N. GLICKMAN, D.D.S, M.S. J.D. DALLAS, TEXAS

The dramatic growth in the societal use of information technology, the increasing power and mobility of personal

computing devices, the rapid advancements in the health sciences and growing medical knowledge-base has made computer-based information resources an essential tool in supporting missions of academic health centers. Strategic planning should encompass developing an infrastructure to support "point of experience" computing in both didactic and clinical educational processes. Participants will gain a broad perspective of technology integration issues in supporting dental education and increase their interest in technology adoption.

At conclusion, participants should be able to:

- Understand planning and implementation issues for the comprehensive use of computer-based technology in dental academic settings.
- Determine methodology for student acquisition of computers and technology training and digital distribution of educational references for students.
- Understand how to integrate clinical information systems, clinical support and personal productivity applications.

# Special Presentation: Teaching Endodontics Using Multimedia Programs

This special presentation will address the possibilities and use of an endodontic multimedia program in endodontic teaching and self-learning in both pre- and postdoctoral curricula. Practical examples of this computer program covering the field of endodontics will be presented.

At conclusion, participants should be able to:

- Understand how endodontic multimedia programs can be integrated into pre- and postdoctoral curricula.
- Apply endodontic multimedia program for self-learning purposes.

The Endodontic Section of the American Dental Education Association will conduct a business meeting during the final 30 minutes of this session.







GARY F. GUEST.



# **Poster Research Presentations**

# **Graduate Student Section**

# **East Hall**

#### PR 1

Effect of Metal and Plastic Rubber Dam Retainers on Procera and Porcelain-Fused-to-Metal Crowns
WILLIAM A. ADAMS, D.D.S., UNIVERSITY OF MICHIGAN

#### PR 2

Effectiveness of the Apical Seal Obtained Through Orthograde MTA Placement

AHMED AL-KAHTANI, D.D.S., STATE UNIVERSITY OF NEW YORK AT BUFFALO

# **PR 3**

Placement of Mineral Trioxide Aggregate Using Two Different Techniques

ANITA AMINOSHARIAE, D.D.S., VIRGINIA COMMONWEALTH UNIVERSITY

# **PR 4**

K3 Endo and Pro Taper: Breakage and Distortion in Molars

MATTHEW T. ANKRUM, D.D.S., VIRGINIA COMMONWEALTH UNIVERSITY

#### PR 5

Mechanism of *In Vitro* Neurotoxicity of Root-End Filling Materials

MAHSHID ASRARI, D.D.S., MARQUETTE UNIVERSITY

#### PR 6

Effect of Cryogenic Tempering on the Wear Resistance of Two Types of Stainless Steel Hand Files

ROBERT W. BERLS, D.D.S., STATE UNIVERSITY OF NEW YORK AT BUFFALO

# **PR 7**

Low Cycle Fatigue of a Rotary Endodontic Instrument Sheldon A. Best, D.D.S., University of Toronto

#### PR 8

Biopsy: Do You Really Want to Know? GEORGE T. BROWN, D.M.D., CASE WESTERN RESERVE UNIVERSITY

#### PR 9

Comparison of Success Rates in Patients Receiving Both One-Appointment and Two-Appointment Root Canal Therapy

KELLY L. BUSSEY, D.D.S., UNIVERSITY OF LOUISVILLE

#### PR 10

Evaluation of Pre-Operative Ibuprofen in Vital Cases with Occlusal Reduction

MICHAEL R. COTTER, D.D.S., AND RITA A. FIELDS-HELLER, D.D.S., NEW YORK UNIVERSITY

#### PR 11

Patient Satisfaction Survey: A Valuable Tool in Patient Management

SENG DOUANGPANYA, D.D.S., AND JILLWEN L. SUNG, D.M.D., NEW YORK UNIVERSITY

#### PR 12

Age-Related Differences in Furcation Canals Studied by Means of Quantitative Micro-Computed Tomography ASHLEY A. EWEN, D.M.D., COLUMBIA UNIVERSITY

#### **PR 13**

Effect of Chlorhexidine Gluconate as an Endodontic Irrigant on the Apical Seal: Long Term Results
DAVID B. FERGUSON, D.D.S., VIRGINIA COMMONWEALTH UNIVERSITY

# **PR 14**

Effect of Endodontic Solutions on Resorcinol-Formalin Paste in Teeth

MADELYN G. GAMBREL, D.D.S., VIRGINIA COMMONWEALTH UNIVERSITY

# PR 15

Making the Call: Endodontic Radiographic Interpretation
BREIT E. GILBERT, D.D.S., UNIVERSITY OF MARYLAND

#### PR 16

Properties of Endocal 10 and Its Potential Impact on the Structural Integrity of the Root

ROBERT A. GOLDBERG, D.D.S., NOVA SOUTHEASTERN UNIVERSITY

# PR 17

RANKL, The Key Bone Resorption Regulator in Endodontic Lesions

Tun-Yi Hsu, D.D.S., M.S., Boston University

# **PR 18**

Bacteria in Roots Identified by Laser Microdissection and DNA-DNA Hybridization

LILY HWANG, D.D.S., HARVARD SCHOOL OF DENTAL MEDICINE

#### PR 19

Effect of Sonic Oscillation on Canal Cleanliness
Megan A. Jurecko, D.M.D., University of Florida

# **PR 20**

Antimicrobial Activity of Cut-Trol Igor Kantorovich, D.M.D., Case Western Reserve University

## PR 21

A Unique Apparatus for the Evaluation of Nickel-Titanium Rotary Files: Torsional Forces and Cutting Efficiency Under a Controlled Amount of Pressure STEVEN D. KESLER, D.D.S., STATE UNIVERSITY OF NEW YORK AT BUFFALO

#### PR 22

Bacterial Adherence and Penetration of Guided Tissue Regeneration Barriers

JOHN W. KING, D.D.S., CASE WESTERN RESERVE UNIVERSITY

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# **Poster Research Presentations, continued**

#### **PR 23**

Reduction of Intracanal Bacteria Using GT Rotary Instrumentation, 5.25% NaOCl, EDTA and Ca(OH)<sub>2</sub> ROBIN E. McGurkin, D.D.S., UNIVERSITY OF NORTH CAROLINA

#### **PR 24**

An Innovative Endodontic Surgical Flap to Solve Unique Endodontic Surgical Problems
UMADEVI P. NAIR, D.M.D., UNIVERSITY OF PITTSBURCH

# PR 25

Assessing the Benefit of the Operating Microscope in Undergraduate Endodontics
MICHAEL E. RAMPADO, D.D.S., UNIVERSITY OF TORONTO

# **PR 26**

Pulp Revascularization of Replanted Immature Teeth After Topical Treatment With Minocycline ALESSANDRA L.S. RITTER, D.D.S., UNIVERSITY OF NORTH CAROLINA

#### **PR 27**

Deep Irrigation of Root Canal System Utilizing a Newly Developed Microdelivery and Microirrigation System WALEED SBEIH, D.M.D., UNIVERSITY OF PITTSBURGH

#### PR 28

Comparison of Media Used for Root ZX *In Vitro* Analysis

PAUL A. SHEPHERD, D.M.D., UNIVERSITY OF LOUISVILLE

# **PR 29**

Biocompatibility and Mitogenic Effect of Several Root End Filling Materials in Osteoblast and Odontoblast Cultures

S. Shin, D.M.D., and I-Ping Chen, D.D.S., University of Pennsylvania

#### **PR 30**

In Vitro Microbial Leakage of Roots Obturated With New and Standard Techniques GUY SHIPPER, B.D.S., UNIVERSITY OF NORTH CAROLINA

#### PR 31

Can ProRoot® Become More Microbe "Unfriendly" Kumar Subramanian, B.D.S., M.D.S., Case Western Reserve University

#### **PR 32**

Ten Minutes of Calcium Hydroxide
Anand W. Suresh, D.D.S., Case Western Reserve University

#### **PR 33**

Accuracy of the Root ZX Electronic Apex Locator Using Stainless Steel and Nickel-Titanium Files
Anthony S. Thomas, D.D.S., M.S., Virginia Commonwealth University

#### **PR 34**

Development of a Fluorescent Technique to Trace Nerves Essential to Perform Endodontic Surgery IBHOR VOLOSHYN, D.M.D., UNIVERSITY OF PITTSBURGH

#### PR 35

Effect of Ultrasonics on Post Removal When Applied at Fifteen-Second Intervals

J. ERIC WALDEN, D.M.D., M.S., UNIVERSITY OF LOUISVILLE

# **PR 36**

Effect of Smear Layer on Bacteria Penetration

I. Emily Wang, D.M.D., University of Maryland

# **PR 37**

Cerebral Concussions and Dental Injuries: Incidence Associated With Types of Mouthguards Worn JOHN F. WISNIEWSKI, D.M.D., UNIVERSITY OF NORTH CAROLINA

#### **PR 38**

Microleakage of Separated ProFile Instruments in Simulated Resin Root Canals
CLIFFORD T. WONG, D.D.S., CASE WESTERN RESERVE UNIVERSITY

# **Table Clinics**

# Graduate Student Section East Hall

# TC 1

Adventures in Anatomy
Percy G. Bolen III, D.D.S., University of Texas at San Antonio

### TC 2

Root Resorption: Attempting to Reach Treatment Planning Consensus
LYNN S. BRINKER, D.M.D., AND GREGORY T. ENGEL, D.M.D., NAVAL POSTGRADUATE DENTAL SCHOOL

#### TC 3

An *In Vitro* Model of the Use of Bone Cement to Repair Fractured Roots
TRAVIS E. CAISSIE. D.D.S., MAROUETTE UNIVERSITY

#### TC 4

Ensuring Endodontic Success With Coronal Barriers Francisco J. Castano, D.M.D., University of Texas at San Antonio

#### TC 5

Clinical Presentation of Apical Pulpal Calcification With a Pulp Chamber Free of Calcification
LISA A. ELLINGSEN, D.D.S., UNIVERSITY OF LOUISVILLE



#### TC 6

Cholesterol Crystals and Their Role in Refractory Lesions of Endodontic Origin ROBERT B. FOLK, D.D.S., NAVAL POSTGRADUATE DENTAL SCHOOL

# **TC 7**

Application of Computed Tomography and Three-Dimensional Imaging in Endodontics Saman R. Gharai, D.D.S., and Scott M. Maloney, D.D.S., Naval Postgraduate Dental School

#### TC 8

Use of Micro-Computed Tomography to Evaluate Extracted Endodontically Treated Teeth
LANCE K. HASHIMOTO, D.D.S., MARQUETTE UNIVERSITY

# **TC 9**

Size Incompatibility Between Finger Spreaders and Gutta-Percha Accessory Cones in the Cold Lateral Compaction Technique

BERNARD H. HOFMANN, D.M.D., AND BRENT J. CRUMPTON, D.M.D., NAVAL POSTGRADUATE DENTAL SCHOOL

#### TC 10

Debridement of Irregular Canals With NiTi Rotary Instruments Used in a Circumferential Manner PEI KANG, B.D.S., AND MONICA CHAMORRO, D.D.S., BAYLOR COLLEGE OF DENTISTRY

#### TC 11

Comparative Evaluation of Several Crown Removal Systems

JOON W. KIM, D.D.S., AND T. RUSSELL DUNAVANT, D.D.S., BAYLOR COLLEGE OF DENTISTRY

#### TC 12

Acute Suppurative Parotitis: Unusual Clinical Presentation

A.K. Bobby Mallik, D.M.D., University of Iowa

#### TC 13

A Simple Technique for Placement of an Intracanal/Intraorifice Barrier
GARY D. MATT, D.D.S., AND KATHERINE R. CARSON, D.D.S., NAVAL POSTGRADUATE DENTAL SCHOOL

#### TC 14

Implants vs. Endodontics: Leveling the Playing Field Michael J. Mindiola, D.D.S., Case Western Reserve University

#### TC 15

Recommended Plugger Sizes for Different Root Canal Preparations in Warm Vertical Obturation Technique Sasan Moghaddame-Jafari, M.S., D.D.S., University of Michigan

#### TC 16

Geristore as a Root-End Filling Edward B. Noakes III, D.M.D., Albert Einstein Medical Center

#### TC 17

Endodontic Applications for Enamel Matrix Derivative ALEX A. PARSI, D.D.S., ALBERT EINSTEIN MEDICAL CENTER

#### TC 18

Rationale for a Larger Apical Preparation of the Root Canal

ALVIN S. Ro, D.D.S., ALBERT EINSTEIN MEDICAL CENTER

#### TC 19

A Method for the Predictive Placement of Mineral Trioxide Aggregate in One-Visit Apexification Cases Torsten H. Steinig, D.M.D., and Kavila Patil-Doddamane, B.D.S., D.M.D., Baylor College of Dentistry

# **TC 20**

SEM Evaluation of the Prepared Dentinal Surface From Two Rotary Files

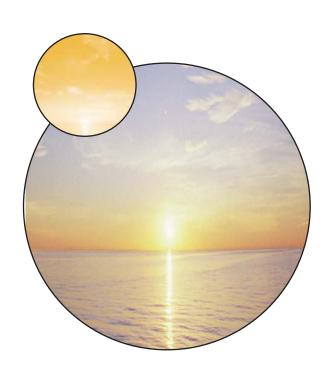
SHEILA E. STOVER, D.D.S., AND DAVID Y. CHOW, D.D.S., MARQUETTE UNIVERSITY

#### **TC 21**

Visual Comparison of Apical Preparations in Curved Canals With Various Instruments
CARLENE TSAI, D.M.D., M.P.H., UNIVERSITY OF TEXAS AT SAN ANTONIO

# **TC 22**

Video Capture Techniques for the Endodontist Matthew B. Walsh, D.M.D., Albert Einstein Medical Center



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#### 10 - 11:30 a.m.

Past, Present and Future **Electronic Claims Submission:** How Can it Benefit Your Practice and Your Patients?

 $^\star$ Scott Navarro, D.D.S., M.H.S.A. Parsippany, N.J.



Room 13/14

MODERATOR: FRANK J. WILKINSON, D.D.S. LAGUNA HILLS, CALIF.

Dr. Navarro is the Vice President of Professional Relations and Dental Director for Delta Dental Plan of New Jersey, Inc. This presentation will cover thoroughly the use of Electronic Claims Submission (ECS) to improve office claims management for the benefit of both dentists and their patients. Topics to be discussed include basic mechanisms and advantages of ECS; necessary steps to begin ECS; and methods to improve current ECS. Other topics include future trends affecting ECS and the Internet, and a brief overview of the Health Insurance Portability and Accountability Act of 1996 (HIPAA) as related to ECS.

At conclusion, participants should be able to:

- Understand the basic mechanisms and necessary steps to begin the use of ECS.
- Understand how to improve current ECS.
- Understand future trends in ECS including how HIPAA will impact ECS.



#### The Assistant and Dental **Operating Microscopes** (DOM) in Endodontics

Room 15/16

MODERATOR: MARK A. ODOM. D.D.S. CARY, N.C.

(This session will not be recorded.)

This presentation will familiarize participants with optical principals and basic

design of Dental Operating Micro-scopes and discuss its required maintenance and assuring asepsis. This session will outline the scope of DOM clinical applications and explain the importance of comprehensive room and patient preparation. This presentation will encourage "doctor/assistant team" preclinical practice, teach effective chair-side techniques and team communication, and highlight promotional value of utilizing DOM for the office.

At conclusion, participants should be able to:

- Understand design and operation of DOM.
- Be familiar with clinical assisting techniques.
- Use DOM for patient education and as a confidence "builder."

#### The "Interactive 3-D Tooth Atlas": Its Use in Learning and Clinical Practice

#### **Room 19**

MODERATOR: RONALD R. LEMON. D.M.D. NEW ORLEANS, LA.

This lecture will demonstrate the latest edition of Brown and Herbranson's Dental Anatomy, an interactive threedimensional Atlas of human teeth. Development of the

Atlas will be discussed and its various innovative features will be demonstrated. This material will be demonstrated for use as patient education for educators, presenters and clinical practitioners.

At conclusion, participants should be able to:

- Understand the advantages of this new viewing protocol.
- Understand the structure and various features of the Atlas.
- Understand how this Atlas can be used in lectures and clinical practice.



YURI SHAMRITSKY. D.M.D. LYNN. MASS.



DEBORAH FRANCAVILLA PEABODY, MASS.

W. Paul Brown.

PORTOLA VALLEY,

Eric J. Herbranson,

D.D.S., M.S. SAN LEANDRO, CALIF.

D.D.S.

CALIF.







## ▶ 10 - 11:30 a.m., continued

#### Clinical Applications of Laser Technology in Endodontics

#### Room 20/21

MODERATOR: G. GARO CHALIAN, D.D.S., M.S. AURORA, COLO.

This presentation will provide an overview of the physics, structure, characteristics and principles of operation of lasers used in dentistry, as well as their interaction with soft and hard tissues of the oral





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



cavity. Research studies with new laser technology for the efficient cleaning of the root canal system will be presented. Future clinical applications of lasers in endodontics will also be discussed.

At conclusion, participants should be able to:

- Understand the physics, structure, characteristics and principles of operation of lasers used in dentistry.
- Apply this knowledge to comprehend the interaction of lasers with the soft and hard tissues of the oral cavity.
- Be familiar with the possible current applications of laser technology in endodontics.

#### Persistent Endodontic Disease: Clinical Decision-Making



#### **Room 22/23**

BRADLEY GETTLEMAN, D.D.S., M.S., GLENDALE, ARIZ.
ROBERT S. RODA, D.D.S., M.S., SCOTTSDALE, ARIZ.
See P. 17 for a compulate session of

See p. 17 for a complete session synopsis.

## Endodontic Office Design and Renovation



#### Room 24/25

Paul G. Satchell, B.Arch., D.D.S., M.S., Houston, Texas See p. 17 for a complete session synopsis.

#### **Single Appointment Endodontics**



## S-214

#### **Ballroom A**

MODERATOR: JAMES B. ROANE, D.D.S., M.S. OKLAHOMA CITY, OKLA.

Drs. Cohen and Rivera will explore the advantages, disadvantages, risks and benefits of one-visit endodontic therapy for nonvital teeth using only literature from peer-



ERIC RIVERA, D.D.S., M.S. CHAPEL HILL, N.C.



reviewed journals to support any claims made by the speakers. This discussion will focus primarily on concentration of NaOCl smear layer, calcium hydroxide, temporary restorations, post-treatment pain and flare-ups.

At conclusion, participants should be able to:

- Reconsider case selection for one-visit endodontic therapy for nonvital teeth based on the most current literature.
- Reconsider the use of temporary restorations during any phase of endodontic therapy.
- Reconsider the use/abuse of analgesics and antibiotics for one-visit endodontic therapy.

#### **Nonsurgical Endodontics**



#### **Ballroom D**

Fernando Goldberg, D.D.S., Ph.D., Buenos Aires, Argentina See p. 18 for a complete session synopsis.

## Oral Research Presentations VII, continued

#### **Graduate Student Section**

#### Room 10

MODERATOR: DARRELL W. ZENK, D.D.S., M.S.D. INVER, GROVE HEIGHTS, MINN.

#### 10:30 a.m.

Effects of Silicon on Human Dental Pulp Tissue Gregory B. Ellis, D.D.S. (PRESENTER)
BOSTON UNIVERSITY

#### 10:45 a.m.

Identification of Hard Tissue After Experimental Pulp Capping Using Dentin Sialoprotein as a Marker Wallis E. Andelin, D.D.S. (Presenter)
S. Shabahang, K. Wright, M. Torabinejad, Loma Linda University

#### . .

The Toronto Study: Outcome of Initial Endodontic Treatment — Phase II

(This session will not be recorded.)

MAHSA FARZANEH, D.D.S. (PRESENTER) S. ABITBOL, H. LAWRENCE, S. FRIEDMAN, UNIVERSITY OF TORONTO

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## **▶ 1:30 – 3 p.m.**

#### Testing the Limits of **Endodontic Therapy**

#### **Room 11**

(This session will not be recorded.)

DONALD E. ARENS. D.D.S., M.S.D.

INDIANAPOLIS, IND.

All endodontists have taken

cases that will never be forgotten. Either the patient, the difficulty, or the circumstances made this case memorable. Eleven practicing endodontists, with more than 300 collective years of experience, will share a memorable case that tested their knowledge, skills, discipline, courage, experience and, to no lesser degree, the healing potential of the patient. Participants will more than likely at some time be asked to respond to 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 sometimes to go to the edge of therapy to meet patients' desires to keep their teeth.

At conclusion, participants should be able to:

- Understand the rationales for treating difficult cases.
- Understand the healing potential of patients who want to keep their teeth for a lifetime.
- Respond to similar cases in their practices with confidence.

#### Additional Participants:

LEIF K. BAKLAND, D.D.S. JOE H. CAMP, D.D.S., M.S.D. ARNOLDO CASTELLUCCI, D.D.S., M.D. NOAH CHIVIAN, D.D.S. JEAN-YVES COCHET, D.D.S. LISA P. GERMAIN, D.D.S. JOSEPH D. MAGGIO, D.D.S. CARL W. NEWTON, D.D.S., M.S.D. DENIS E. SIMON III. D.D.S., M.S. MARTIN TROPE, B.D.S., D.M.D.

#### Collection: Bridging the Gap Between Case Acceptance and Payment

#### Room 13/14

MODERATOR: MARCI T. SIMPSON WEST DES MOINES, IOWA



FRED HEPPNER PHOENIX, ARIZ.



Mr. Heppner is a business management advisor who has served the dental industry since 1983. Dental patients across the country are becoming more service-savvy. It is more important now than ever before for endodontists and staff to properly render a people-friendly atmosphere while operating their practices as businesses. An appropriate system that addresses payment in this way will help endodontists and their team members ensure payment for their services while maintaining their loyal relationships with referring doctors as well as satisfied patients.

At conclusion, participants should be able to:

- Provide the guidelines necessary for endodontists and their staff to construct an appropriate payment system for their unique practices.
- Integrate these concepts into their practices so that positive results occur in short order.
- Increase practice cash flow, reduce accounts receivable, and enable continued satisfaction from patients and referring doctors.

#### Implementing Modern **Technology Into Existing Offices**



MODERATOR: JAMES C. KULILD, D.D.S., M.S. KANSAS CITY. Mo.

 $^\star$ Steven M. Skarphol, M.B.A. PHOENIX, ARIZ.



This presentation will provide a review of key terminology and technologies involved in the process of implementing

technology solutions for the modern practice, with emphasis on computers, networks, internet, security and practice management. An outline for assessing needs, developing priorities, planning and budgeting will be presented. The second half of this session will detail a review of a typical technology implementation from budget through the start-up process, using tested products, practical tips and best practice solutions. Questions and answers will be encouraged and incorporated as an integral part of the presentation.

- Understand key technology terms and concepts.
- Apply terms and concepts in the preparation of a preliminary technology plan and budget for a modern practice.
- Evaluate technology solutions and make informed decisions to help maximize the return on capital.



#### **1:30 – 3 p.m., continued**

#### Predictable Anesthesia for Patients With Irreversible Pulpitis



AL READER,

D.D.S., M.S.

COLUMBUS, OHIO

#### **Room 18**

MODERATOR: PAUL D. ELEAZER, D.D.S. BIRMINGHAM, ALA.

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 the intraosseous systems described in the presentation, including the advantages and disadvantages of each.
- Define why anesthesia fails so often in the mandible.
- Develop specific procedures, using intraosseous technologies, for insuring profound anesthesia for patients presenting with irreversible pulpitis.

#### An Introduction to PowerPoint I

#### **Room 19**

PowerPoint is an extremely powerful software program that enables the user to design slides and computer

RICHARD A. RUBINSTEIN. D.D.S., M.S. FARMINGTON HILLS,

presentations. The objective of this presentation is to introduce the participant to PowerPoint and to illustrate its creative possibilities.

At conclusion, participants should be able to:

- Understand the anatomy of PowerPoint.
- Understand how to navigate within PowerPoint.
- Understand the basics of editing pictures in Photoshop.

#### **Evidence-Based Evaluation of Current Endodontic Technology**



#### Room 20/21

MODERATOR: CINDY R. RAUSCHENBERGER, D.D.S., M.S. ELGIN. ILL.

Evidence-based practice (EBP) has become the new paradigm in all fields of medicine. EBP can be defined as the explicit and judicious use of the current and best evidence in conjunction with clinical experience,





CHRISTOPHER S. WENCKUS, D.D.S. CHICAGO, ILL.



which may not always be easy to accomplish. This presentation will utilize a systematic evidence-based approach to evaluate the current endodontic technology (instruments and materials) and its clinical impact on our specialty. A combination of literature review and a series of clinical cases for each category with one to two years follow-up will be presented.

At conclusion, participants should be able to:

- Understand the advantages and limitations of evidencebased practice and be able to apply it, utilizing the best available evidence in answering a clinical question.
- Realize the benefits of the dental operating microscope and materials during the different stages of endodontic treatment (access, locating canals, retrieving metallic objects, perforation repairs and obturation, and management of immature necrotic teeth with wide-open apexes).
- Optimize preparation efficiency by understanding the new concepts in rotary instruments design and their application in cleaning and shaping curved canals.

#### **Endodontic Microbiology: Debugging the Root Canal**



MODERATOR: J. CRAIG BAUMGARTNER, D.D.S., M.S., PH.D. PORTLAND, ORE.

D.D.S., Ph.D. CHAPEL HILL, N.C.



This presentation will center on the

evolution of knowledge concerning endodontic pathogens and how that knowledge has influenced modern methods of performing root canal therapy. Topics to be covered will include a review of endodontic microbiology and a differentiation between microbes involved in a primary endodontic infection versus those found in treatment resistant infections, methods of canal disinfection and the effects of proper canal disinfection on long-term prognosis.

- Differentiate between pathogens in primary and treatment resistant endodontic infections.
- Recognize the importance of asepsis in endodontic procedures and the treatment differences between vital and necrotic cases.

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• Adopt a predictable method for disinfection of the root canal using the most modern rotary and hand instrumentation and antimicrobial medicaments.

#### "That's Not a Canker Sore, Doctor!"

EVA C. DAHL,

ONALASKA, WIS.

KENNETH M.

HARGREAVES.

D.D.S., Ph.D.

SAN ANTONIO, TEXAS

D.D.S., M.S., M.A.

#### Room 24/25

MODERATOR: T.L. GREEN, D.M.D. PANAMA CITY, FLA.

Every endodontist encounters ulcerative mucosal lesions in

patients that they treat.

Often these conditions are not diagnosed or managed by either their dentists or physicians. This presentation will illustrate common oral ulcerative diseases, describe their diagnostic features, discuss the potential need for biopsy and referral, and recommend treatment modalities that can be provided to the affected patients and their referring dentists from the perspective of a practicing endodontist.

At conclusion, participants should be able to:

- Identify common oral ulcerative diseases and their diagnostic features.
- Recognize lesions where diagnosis may require biopsy and/or referral.
- Recommend appropriate treatment for these diseases to patients and referring dentists.

#### Differential Diagnosis of Pulpal Pain

#### Ballroom A

MODERATOR: ALAN S. LAW, D.D.S., P.H.D. LAKE ELMO. MINN.

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:

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





#### The Complete Electronic **Endodontic Office**

#### **Ballroom D**

MODERATOR: SHELDON R. MANN. D.D.S. SARASOTA, FLA.







This lecture will investigate

one implementation of the complete electronic endodontic office from patient's first contact through case completion. Learn which items must be issued to a patient on paper. See how multimedia presentations can be used for patient education and staff training. Several of the technologies used to put the electronic office into clinical operation will be explored. Implementation and total cost of ownership with its impact on production plus office expenses will be investigated.

At conclusion, participants should be able to:

- Understand what is involved to implement the complete electronic endodontic office.
- Know the value and convenience of having information securely accessible to the practitioner, patient and referring doctor 24 hours a day, 7 days a week.
- Realize the financial impact of a complete electronic endodontic office in operation.

#### **Oral Research Presentations VIII**

#### **Graduate Student Section**

#### **Room 10**

MODERATOR: B. ELLEN BYRNE, D.D.S., PH.D. MIDLOTHIAN, VA.

#### 1:30 p.m.

Assessment of Bacteriological Sampling and **Quantification Methods in Inoculated Root** Canals In Vitro

(This session will not be recorded.)

RONY E. DAGHER, D.D.S. (PRESENTER) G.M. YARED, B. BASRANI, G. KULKARNI, M. LEGNER, E.D. FILLERY, S. FRIEDMAN, UNIVERSITY OF TORONTO AND UNIVERSITY OF DALHOUSIE

#### 1:45 p.m.

Effects of 0.12% Chlorhexidine Gluconate on the Antimicrobial Activity of White ProRoot MTA

TED J. STOWE, D.D.S. (PRESENTER)

C.M. SEDGLEY, B.W. STOWE, J.C. FENNO, UNIVERSITY OF MICHIGAN AND WEST VIRGINIA UNIVERSITY

Antibacterial Efficacy of Calcium Hydroxide, Iodine Potassium Iodide, Betadine and Betadine Scrub

NATHAN E. BAKER, D.M.D. (PRESENTER)

F. LIEWEHR, T.B. BUXTON, A. JOYCE, U.S. ARMY DENTAL ACTIVITY, Ft. GORDON AND EISENHOWER ARMY MEDICAL CENTER, Ft. GORDON



## Oral Research Presentations VIII, continued

#### 2:15 p.m.

Inhibition of *Enterococcus Faecalis* Growth at Alkaline pH's

CHRISTOPHER P. McHugh, D.M.D. (PRESENTER) University of Alabama

#### 2:30 p.m.

Antibacterial Efficacy of Calcium Hydroxide and Chlorhexidine Gluconate Irrigants at 37° C and 46° C CHRIS EVANOV, D.D.S. (PRESENTER)

F.R. LIEWEHR, T.B. BUXTON, A.P. JOYCE, U.S. ARMY DENTAL ACTIVITY, Ft. GORDON AND EISENHOWER ARMY MEDICAL CENTER, Ft. GORDON

#### 2:45 p.m.

Oral Infection With *Porphyromonas Gingivalis* Accelerates Atherosclerotic Plaque Accumulation in Mice

CHARLES H. HONG, D.M.D. (PRESENTER)
F.G. Gibson, J.S. Lee, C.A. Genco, Boston University

#### > 3:30 - 5 p.m.

# Diagnosing Endo Lesions With CT Scans and Getting More Efficient in Your Treatment

#### Room 11

MODERATOR: DAVID J. HOLTZMANN, D.M.D., M.S. AURORA, COLO. Jean-Yves G. Cochet, D.D.S. Paris, France



Because of the complexity of endodontic treatment, the numerous aspects of endodontic pathologies and the relationships with anatomic structures, a modern imaging technique, the CT Scan, allows us to modulate our clinical approach and to choose a rational treatment. In special clinical situations, the CT Scan is very efficient and gives us more information than traditional x-rays and makes it very easy to estimate the relationship between the teeth and the disease, the bone defect, the size of the lesion and its penetration inside anatomic structures like the sinus or contacts with dental nerves or arterial vessels. The use of a CT Scan is the best way to anticipate difficulties and risks in surgery cases.

At conclusion, participants should be able to:

- Read a CT Scan, understand its possibilities and decide when to prescribe it.
- Understand clinical evaluation and specific investigation
  with the CT Scan for determining the precise diagnosis,
  a rational treatment and modulate the clinical approach
  depending on the size of the lesion, its anatomic situation
  and the bone disease.

• Understand the particular use of a CT Scan in sinus pathologies with an endodontic origin and describe when a surgical approach should be performed according to the latest clinical criteria.

#### Collection: Bridging the Gap Between Case Acceptance and Payment



#### Room 13/14

FRED HEPPNER, PHOENIX, ARIZ.

See p. 21 for a complete session synopsis.

## **Implementing Modern Technology Into Existing Offices**



#### Room 15/16

\*Steven M. Skarphol, M.B.A.. Phoenix, Ariz.
See p. 21 for a complete session synopsis.

## Electronic Determination of Endodontic Treatment Length

#### **Room 18**

MODERATOR: WILLIAM S. HOPKINS, D.D.S. BOWLING GREEN, KY.

STEPHEN M. WEEKS, D.D.S. MUNDELEIN, ILL.



This presentation will

discuss the rationale for the preferential use of electronic canal length measurement based on considerations of rootend anatomy. This session will also describe the basic principles of operation and the relative advantages and disadvantages of the "third-generation" of this technology, as well as compare and contrast the various currently available third-generation devices. This presentation will describe the major sources of error that undermine confidence in electronic canal length measurement, and the two most effective techniques for minimizing error and maximizing reliability.

- Describe the rationale for electronic canal length measurement, the basic principles of operation, and the major sources of error, their recognition and management.
- Begin to use electronic canal length measurement safely.
- Continue using this technology with increased understanding and confidence.

## educational sessions • friday

#### An Introduction to PowerPoint II: A Hands-On Session

#### **Room 19**

Building upon the skills learned in PowerPoint I, participants will have the opportunity to create a short presentation using their own laptops. The participants will be guided simultaneously in both Macintosh and PC formats.

ERIC HERBRANSON, D.D.S., M.S. SAN LEANDRO, CALIF.



RICHARD A. RUBINSTEIN. D.D.S., M.S. FARMINGTON HILLS,

AVIAD TAMSE.

TEL AVIV, ISRAEL

D.M.D.



Those not registered to participate in the laptop format will be able to view the session as a visual demonstration.

At conclusion, participants should be able to:

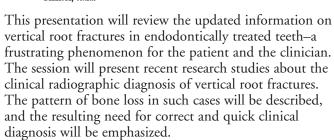
- Demonstrate the ability to create a presentation using PowerPoint.
- Demonstrate the ability to edit color images and radiographs in Photoshop.
- Demonstrate the ability to import files from Photoshop into PowerPoint.

The hands-on portion of this session required advanced registration. Attendees who did not pre-register may attend as observers.

#### Vertical Root Fractures in **Endodontically Treated** Teeth—A Diagnostic Dilemma?

#### Room 20/21

MODERATOR: MAUREEN L. SWIFT, D.D.S., M.S.D. BELLEVUE, WASH.



At conclusion, participants should be able to:

- Identify the susceptible teeth and roots, and recognize the typical signs and symptoms.
- Describe the common radiographic features of such cases.
- Recognize the major causes of fractures and possible ways of preventing them.

#### **Endodontic Microbiology:** Debugging the Root Canal



#### Room 22/23

LINDA G. LEVIN, D.D.S., Ph.D., CHAPEL HILL, N.C.

See p. 22 for a complete session synopsis.

#### Dilemmas With Cracks and Pulpitis



#### Room 24/25

MODERATOR: W. CRAIG NOBLETT, D.D.S., M.S. BERKELEY. CALIF

The so-called "cracked tooth syndrome" has created confusion about cracks and their treatment.

PAUL V. ABBOTT. B.D.Sc., M.D.S. NEDLANDS. AUSTRALIA



Cracks usually cause pain, because they are pathways of entry for bacteria that cause pulpitis. Therefore, cracks should be considered an etiological factor rather than a "syndrome." Management should be based on the diagnosis of the pulp status and its etiology. If the correct diagnosis is made early enough, then cracks can be managed simply and without endodontic treatment.

At conclusion, participants should be able to:

- Understand the causes and dynamics of pulp disease and apply these concepts to the diagnosis of the effects of cracks.
- Define infractions, cracks and fractures, and distinguish between reversible and irreversible pulpitis in cracked teeth.
- Conservatively manage teeth with cracks that are causing reversible pulpitis.

#### Mechanisms of Anesthetic Failure



#### **Ballroom A**

MODERATOR: WILLIAM G. SCHINDLER, D.D.S., M.S. SAN ANTONIO, TEXAS

Many patients fear endodontic procedures due to a concern about pain. Although pain

KARL KEISER, D.D.S. SAN ANTONIO, TEXAS



treatment is well managed in many endodontic cases, there exists a group of patients who do not receive adequate local anesthesia. This presentation reviews the mechanisms of local anesthetic failure and focuses on available evidence for developing effective and efficient approaches in local anesthesia.

- Understand the mechanisms of action of local anesthetics.
- Be familiar with the credible hypotheses for local anesthetic failures.
- Be aware of various therapeutic approaches for managing local anesthetic failures.



#### ➤ 3:30 – 5 p.m., continued

#### The Effect of Pulpal and Periapical Disease on Systemic Health

#### **Ballroom D**

MODERATOR: LEIF K. BAKLAND, D.D.S. LOMA LINDA, CALIF. S-23

SHAHROKH SHABAHANG, D.D.S., M.S., PH.D. Loma Linda, Calif.



This presentation will outline the pathogenesis of pulpal and periradicular lesions. Furthermore, concerns regarding adverse effects of pulpal and periradicular diseases on the systemic health and the current concepts with regards to this topic will be discussed. The presentation will also discuss new techniques and data in the area of microbial dissemination in living organisms.

At conclusion, participants should be able to:

- Have a better understanding of the pathogenesis of pulpal and periradicular lesions.
- Have a better understanding of the history of focal infection, as well as be familiar with the current beliefs in the relationship between oral diseases and systemic health.
- Be familiar with new techniques that have been developed to study the relationship between oral diseases and systemic health.

#### **Oral Research Presentations IX**

#### **Graduate Student Section**

#### Room 10

MODERATOR: ANDRÉ K.MICKEL, D.D.S., M.S.D. BEACHWOOD, OHIO

#### 3:30 p.m.

Influence of an Intracanal Glass Ionomer Barrier on Coronal Microleakage in Post-Prepared Teeth

JOSEPH C. MAVEC, D.D.S. (PRESENTER)

G.E. Minah, R.E. Blundell, S.B. McClanahan, J.D. Johnson, Naval Postgraduate Dental School, University of Maryland and Naval Medical Center, Portsmouth

#### 3:45 p.m.

Influence of Instrument Size on Debridement

NAJIA USMAN, D.D.S. (PRESENTER)

J.C. BAUMGARTNER, J.G. MARSHALL, OREGON HEALTH & SCIENCE UNIVERSITY

#### 4 p.m.

Impact of Viewing Conditions on the Interpretation of Digital Endodontic Working Length Images

LAMAR C. ORTON, D.D.S. (PRESENTER)

Indiana University

#### 4:15 p.m.

In Vitro Quantitative Assessment of Apical Third Root Canal Fillings With Three Different Obturation Techniques

Sancho N. de Vilaverde-Correia, D.M.D. (presenter) E. Koh, M.K. Iqbal, S. Kim, University of Pennsylvania

#### 4:30 p.m.

Success of Pulpotomy Sealed and Restored With Zinc Oxide Eugenol or Zinc Oxide Eugenol Base and Glass Ionomer Core as a Mid-Term Relief Over One Year

EMMANUEL O. DELANO, D.D.S. (PRESENTER)

R. McDougal, D. Caplan, A. Sigurdsson, M. Trope, University of North Carolina



## educational sessions • saturday

• Make a proper flap design from the viewpoint of

Manage reabsorbable, nonreabsorbable membranes and

bone graft in order to fully regenerate the previously lost

periodontal regeneration techniques.

final program

#### 8 - 9:30 a.m.

#### Successfully Accessing the Apical Area of Root Canals



#### Room 10

MODERATOR: MARTHA E. PROCTOR, D.D.S., M.S. CHICAGO, ILL.

This presentation will describe the various problems encountered in accessing the terminal apical area during endodontic treatments by describing current concepts and the solutions available to





 $^{\star}$ Etienne Deveaux, D.C.D., D.S.O. LILLE, FRANCE

D.D.S., M.D.

SPAIN

PONFERRADA LEON.



practitioners to resolve access problems and ensure successful canal preparations. The location and description of various types of interference: anatomical and physiopathological, and methods and means for removing interference will be discussed.

At conclusion, participants should be able to:

- Identify the various types of interference that complicate endodontic treatments and remove them.
- Evaluate the associated risks.

#### Periodontal Bone Regeneration **Techniques in Endodontic** Microsurgery ENRIQUE M. MERINO,

#### **Room 11**

MODERATOR: HEBERTO M. SALGUEIRO, D.M.D., P.A. MIAMI, FLA.

This session will provide a stepby-step review of the different phases of the endodontic microsurgery starting with the design of the flaps. During this procedure we may encounter bone-destroying processes of purely endodontic origin located in the periapical zone or endo-periodontal processes in which the bone destruction has reached the dentogingival union. In this last case, the simple flap repositioning guarantees neither the regeneration of destroyed tissues, nor the sealing of the periodontal communication between the pariapical area and the gingival sulcus, darkening the prognosis of this tooth. Periodontal guided bone regeneration techniques should be applied in the particular scenario in order to achieve a full and stable longterm regeneration of the previously destroyed tissues, and thus, close the existing endo-periodontal communication, improving the long term prognosis of this tooth.

At conclusion, participants should be able to:

• Diagnose and clearly differentiate which periapical processes have a purely endodontic origin and which ones also have periodontal involvement.

#### Preserving the Integrity of the Human Dental Arch



#### **Room 12**

MODERATOR: ARTHUR W. HARRIS, D.D.S. MONTPELIER, VT.

attachment apparatus.

KATSUEI MORI, D.D.S. TOKYO, JAPAN



An interdisciplinary approach of endodontics, periodontics,

orthodontics and oral surgery, together with an intentional extrusion procedure, are utilized to res ly clinical problems. Caries extending bel walingval or crown fracture and period mea socket eradication are some Mont the clinician. Intentional perplexitie h. extrus or van illustrate with a series of evidences; before and after treatment; how these problems were resolved. This procedure is well-documented with over 200 cases that have withstood the test of time.

At conclusion, participants should be able to:

- Understand the objectives of intentional extrusion by reviewing diagnoses, case selections, procedures and long-term follow-ups.
- Realize the importance of the interdisciplinary approach to comprehensive dentistry.
- Apply this knowledge to provide biologically-oriented, bona fide therapy for patients.

#### Motivate and Retain Staff



DEBORAH ODELL,

SANTA ROSA, CALIF.

MRA

#### Room 13/14

MODERATOR: MICHELE M. WHITLEY LYNN, MASS.

Staff motivation and

retention is a challenge for both doctors and team

members. This session will provide participants with the information necessary to understand what motivates people. It will give tangible action plans for the development of motivational systems in the practice, and it will teach participants how to celebrate practice successes.

- Understand the fundamental principles of intrinsic and extrinsic motivation.
- Understand individual motivators and how to create opportunities for their use in the practice.
- Develop reward and recognition systems.



#### 8 - 9:30 a.m., continued

## Radiography Basics: Emphasis on Endodontics

## -A-304

BARBARA TRAINES,

C.D.A., M.En.

CHANDLER, ARIZ.

#### Room 15/16

MODERATOR: LEE ANNE KEOUGH, D.M.D. Ocala, Fla.

This presentation brings the fundamentals of image

geometry to practical application with the goal of radiographic excellence and an emphasis on endodontic exposures. Topics covered include application of image geometry, use of a variety of film holding devices, recognizing radiographic errors and explaining appropriate corrective measures.

At conclusion, participants should be able to:

- Understand image geometry in exposing intraoral radiographs.
- Apply the fundamentals of image geometry in exposing endodontic intraoral radiographs with a variety of film holders.
- Evaluate radiographs for errors and explain corrective technique measures.

#### Creating a Digital Document: From Data to the Final Product

#### **Room 18**

MODERATOR: GAYLE OBERMAYR, D.D.S., M.S. SEBRING, FLA

JAMES B. SATOVSKY, D.D.S., M.S. HOLLYWOOD, FLA.



This presentation will take you through the creation of a digitally-generated document by demonstration. Starting by importing images from various sources, the images will then be manipulated and labeled, and a PowerPoint and an MS Word template will be created. A final document for printing or projection will be formulated using the newly manipulated images. Highlights will be the creation of customized templates and the artistic side of creating presentations.

At conclusion, participants should be able to:

- Define digital documentation.
- Prepare images for documentation.
- Create a document from template to finished report.

#### 3-D Root Canal Anatomy

#### Room 19

MODERATOR: OVE A. PETERS, D.M.D. SAN FRANCISCO, CALIF.

(This session will not be recorded.)

Successful endodontics

requires a thorough understanding of the spatial root canal morphology. Different methods depicting the 3-D anatomy are either not completely accurate or partially destroy the teeth, which are not reusable afterwards for further investigation. Microcomputed tomography provides 3-D, non-destructive study of the intricacies of the root canal systems. In the last 50 years, numerous materials, techniques and technologies have been introduced in endodontic treatment. Based on

3-D anatomical reality, and with these innovations, we can achieve predictably successful endodontics.

At conclusion, participants should be able to:

- Clearly understand the real complexity of the root canal system three-dimensionally using micro CT.
- Respect the intricacies of the apices.
- Evaluate the modern techniques and technologies used in endodontic treatment.

## Effect of Adhesives and Treatments on the Dental Pulp



D.D.S.

CALIE

SAN FRANCISCO.

MODERATOR: RICHARD E. WALTON, D.M.D, M.S. IOWA CITY. IOWA

Room 20/21

The special nature of the dental pulp will be reviewed

with emphasis on the pulpal response to various restorative systems. Topics will include the effect of adhesive systems and other permanent restorative materials on the dental pulp and the effects

of thermal and mechanical irritants. New tooth preparatory systems, such as lasers and air abrasion, and their relationship to pulp will also be discussed.

At conclusion, participants should be able to:

- Understand the special nature of the dental pulp.
- Understand the effect of restorative dental procedures and materials on the pulp.
- Compare the effects of two new tooth preparatory methods on the pulp.





DONALD CHU YU,

D.M.D., M.Sc.D.

CANADA

FINANTON ALBERTA



## educational sessions • saturday

final program

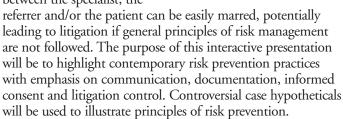
#### Endodontic Risk Prevention: A Legal "Primer" for the Practitioner

## Room 22/23

MODERATOR: THOMAS L. PEEK, D.D.S., M.S. OKLAHOMA CITY, OKLA.

(This session will not be recorded.)

Endodontists function in a litigious society. Critical relations between the specialist, the



At conclusion, participants should be able to:

- Define "professional negligence" and its role in endodontics.
- Understand how appropriate communication skills can reduce risk.
- Discuss principles of record keeping and informed consent.
- Apply risk management theory in clinical practice to prevent litigation.

## Cleaning and Shaping to Perfection? The Impact of Nickel-Titanium on

Root Canal Preparation

#### **Room 24/25**

MODERATOR: MARY T. PETTIETTE, D.D.S. ASHEVILLE, N.C.

Practitioners will learn about, from a scientific perspective, the need to incorporate essential biological principles during cleaning and shaping, Manish Garala, B.D.S. Plantation, Fla.

GERALD GLICKMAN,

D.D.S., M.S., J.D. Dallas, Texas

BRUCE H. SEIDBERG, D.D.S., M.Sc.D., J.D.

Syracuse, N.Y.



SERGIO KUTTLER, D.D.S. Ft. Lauderdale, Fla.



irrespective of the instrument system being used. Current terminology and claims by manufacturers will be reviewed and will include a presentation of merits and limitations of major systems. A review of the objectives of canal preparation and the extent to which these are achieved will enable the participants to recognize and limit the extent of deficiencies.

At conclusion, participants should be able to:

- Understand biological aspects of canal preparation and methods to achieve these principles.
- Determine the positive and negative influences of nickeltitanium instruments related to their design and protocol of use.
- Present revised cleaning and shaping objectives for the use of nickel-titanium instruments based on scientific literature.



#### **Poster Research Presentations**

#### **Endodontist Section**

#### **East Hall**

(\*\*denotes Dental Student)

#### PR 39

Bacterial Penetration Through Zinc Oxide-Calcium Sulfate-Based Temporary Filling Material Traversed by Cotton Fibers

PAUL L. ABBOTT, D.D.S., GREAT LAKES, ILL.

#### PR 40

Interaction Effects of MTA With Simulated Biological Environments

"Mr. George H. Arch Jr. and Ricardo Caicedo, D.D.S., Louisiana State University

#### PR 41

Evaluation of Anxiety and Pain Using Two Systems of Computer-Controled Anesthesia and the Conventional Technique

PATRICIA AVELLANEDA, D.D.S., BOGOTA, COLOMBIA

#### PR 42

Physico-Chemical Properties of CHX-Containing Medicaments

BETTINA R. BASRANI, D.D.S., HALIFAX, CANADA

#### PR 43

Microbial Composition of Teeth Diagnosed With Symptomatic and Asymptomatic Pulpal Necrosis by Checkerboard DNA-DNA Hybridization

\*\*Mr. David Beach and James E. Haddix, D.M.D., University of Florida

#### **PR 44**

Delay in Setting of MTA by Blood Proteins: A Pilot Study

LEANDRO R. BRITTO, B.D.S., M.S., GAINESVILLE, FLA.

#### PR 45

Evaluation of the Resistance to Fracture of Weakened Roots Associated With Different Kinds of Posts Carlos E.S. Bueno, D.D.S., M.S., Campinas, Brazil

#### **PR 46**

Evaluation of Temperature Rise on the Outer Surface of Teeth During Two Root Canal Obturation Techniques Using Thermoplasticized Gutta-Percha

RODRIGO S. CUNHA, D.D.S., CAMPINAS, BRAZIL

#### PR 47

Assessment of the Role of a Patency File in Maintaining a Stable Working Length

"Ms. Roya Ghahraman and T. Nguyen Nguyen, B.D.S., M.S.D., University of Maryland



## **Poster Research Presentations, continued**

#### **PR 48**

A Comparison of the Canal Centering Ability of K2 and ProFile Nickel-Titanium Rotary Files

"Mr. Besad Gharehgozloo and Neville J. McDonald, B.D.S., M.S., University of Michigan

#### PR 49

An *In Vitro* Comparison of the Efficacy of the Pro Taper Engine Driven vs. Stainless Steel K-Files in Canal Debridement

SEYEDAHMAD A. GHAZINOURI, D.D.S., TEHRAN, IRAN

#### PR 50

Prevalence of Odontogenic Sinus Tracts in Patients Referred for Endodontic Therapy

RAHUL GUPTA, D.D.S., AND GUNNAR HASSELGREN, D.D.S., Ph.D., NEW YORK, N.Y.

#### PR 51

Diagnosis and Treatment of Fin and Isthmus Without Apical Surgery

SHIGETOSHI T. IMAI, D.D.S., OSAKA, JAPAN AND MITSURU OTANI, D.D.S., M.S., TOKYO, JAPAN

#### PR 52

Root Canal Cleanliness After Preparation With Three Rotary Instruments With Different Cutting Blade Designs: A Comparative SEM Study In-Soo Jeon, D.D.S., Seoul, Korea

#### PR 53

Spectroscopic Imaging and Microanalysis of Root Dentin: A Preliminary Study DIVYA JHA, B.D.S., NEW YORK, N.Y.

#### PR 54

Epidemiology of Cracked Teeth in Korean Population: A Clinical Survey of 154 Cases EUISEONG KIM, D.D.S., M.S.D., SEOUI, KOREA

#### PR 55

Effects of *Enterococcus Faecalis* Sonicated Extract on IL-2, IL-4, and TGF-β1 Expression From Human Lymphocyte

HYUN SIK KIM, D.D.S., SEOUL, KOREA

#### PR 56

Cytotoxicity of Calcium Phosphate Root Canal Sealers Jin-Su Kim, D.D.S., and Kwang-Shik Bae, D.D.S., Ph.D., Seoul, Korea

#### PR 57

Tissue Reactions to Implanted Intracanal Medicaments in Rats

Miri Kim, D.D.S., Seoul, Korea

#### **PR 58**

Influence of Plugger Penetration Depth on the Apical Extrusion of Root Canal Sealer in Continuous Wave of Condensation Technique

SUNG-KYO KIM, D.D.S., M.S.D., Ph.D., DAEGU, KOREA

#### **PR 59**

Comparison of Two Instrumentation Techniques Performed in a Dental School Setting DONALD J. KLEIER, D.M.D., DENVER, COLO.

#### PR 60

Torque and Stress Applied to the File During Nickel-Titanium Rotary Preparation
CHIHIRO KOBANASHI, D.D.S., Ph.D., TOKYO, JAPAN

#### PR 63

Eubacterium spp. and Streptococcus spp. in Endodontic Infections

ASHRAF F. FOUAD, D.D.S., M.S., FARMINGTON, CONN. AND KEE-YEON KUM, D.D.S., SEOUL, KOREA

#### PR 62

In Vitro Comparison of Working Length Determination Between Roots With and Without Periapical Radiolucencies

"Mr. Haris Lakisic and Yi -Tai Jou, D.D.S., University of Pennsylvania

#### PR 63

Sequential Evaluation of Stainless Steel Hand File and Nickel-Titanium Rotary Instrument Using Micro-Computed Tomography

WOO-JIN LEE, D.D.S., AND SEOUNG-HO BAEK, D.D.S., SEOUL, KOREA

#### **PR 64**

In Vitro Analysis of the Wear of Dentine Walls in Mesial Canals of Inferior Molars After Cervical Enlargement With Rotary Instruments: Stainless Steel Drills and Nickel Titanium Orifice Openers CARLOS A.F. MURGEL, D.D.S., CAMPINAS, BRAZIL

#### **PR 65**

In Vivo Evaluation of Neosono Ultima EZ Apex Locator Mohammad H. Nekoofar, D.D.S., M.Sc., Tehran, Iran

#### **PR 66**

Early Detection in Healing of Periapical Inflammatory Lesions by Means of Digital Subtraction Radiography and Compared to Traditional Radiography: A Pilot Study

TIINA OVIIR, D.D.S., SEATTLE, WASH.

#### PR 67

Comparison of Intracanal Sealer Distribution Between Lateral Condensation and Continuous Wave Condensation Methods

"Mr. Brandon K. Peterson, University of Iowa and Lynne A. Baldasarri-Cruz, D.D.S., Menlo Park, Calie.

## educational sessions • saturday

final program

## **Poster Research Presentations, continued**

#### **PR 68**

Comparison of Tuned Aperture Computed Tomography and Conventional Radiographs in Endodontic Working Length Determination: A Pilot Study

\*\*Ms. Betty J. Schindler and Thom C. Dumsha, D.D.S., M.S., University of Maryland

#### PR 69

Evaluation of the Stress Distribution in the Maxillary Central Incisor During Endodontic and Restorative Cavity Preparation

MOHAMMAD S. SHEIKHREZAI, D.D.S., M.Sc., TEHRAN, IRAN

#### **PR 70**

In Vitro Analysis of the Antimicrobial Effects of Several Commonly Used Intracanal Medicaments on E. Faecalis
"Mr. Timothy L. Skane and Omar J. Jones, D.D.S., UNIVERSITY OF MARYLAND

#### **PR 71**

A Newly Designed Device for Removing Separated Instruments

YOSHITSUGU TERAUCHI, D.D.S., TOKYO, JAPAN

#### **PR 72**

Detection of the Mesio-Lingual Canal in Maxillary Molars

TAKATOMO YOSHIOKA, D.D.S., Ph.D., TOKYO, JAPAN

#### **Table Clinics**

#### **Endodontist Section**

#### **East Hall**

(\*\*Denotes Dental Student)

#### TC 23

Vacuum Mixing Endodontic Sealers

Robert J. Ceisel, D.D.S., Chicago, Ill.

#### **TC 24**

Implant Studies and Exclusion Factors: What is the Real Success Rate?

"Mr. Shahin Etemadi and André K. Mickel, D.D.S., M.S.D., Case Western Reserve University

#### TC 25

Appropriate Positioning for Nonsurgical Endodontics With Dental Operating Microscope

YOSHIFUMI KINEMOTO, D.D.S., Ph.D., OSAKA, JAPAN

#### **TC 26**

Removal Effectiveness and Efficiency of Fiber Posts With Removal Kits, Diamond Burs and Ultrasonics
"Mr. Matthew V. Lindemann, University of Michigan and Michael B. Lindemann, D.D.S., M.S., Flint, Mich.

#### **► 10 - 11:30** a.m.

#### Retreatment in Endodontics: The Initial Steps

(This session will not be recorded.)

#### Room 10

MODERATOR: B. HARVEY WIENER, D.D.S. Ft. LAUDERDALE, FLA.



YVES YANA, D.Ch.D., M.Sc.D. Paris, France



Retreatment has become an unavoidable part of the endodontic practice and is considered the most complicated aspect of root canal therapy. Although the objectives of the endodontic retreatment are the same as those in first-time endodontic treatment, the reasons and the rationale for retreatment may be different. This lecture will help the practitioner to identify the numerous causes of failure of a previous treatment, and some techniques of retreatment will be described.

At conclusion, participants should be able to:

- Correctly diagnose the cause of an endodontic failure.
- Anticipate and overcome the possible problems that may arise during the procedure of the root canal therapy.
- Establish a correct strategy to achieve a good prognosis well before the beginning of the endodontic retreatment.

#### Ultrasound Real-Time Imaging in Endodontic Diagnosis

#### Room 11

Moderator: John C. Munce, D.D.S Santa Barbara, Calif. ELISABETTA COTTI, D.D.S., M.S. Cagliari, Italy





This presentation will review the basic principles of

echography and will show the application of this examination to the field of endodontics. Topics to be addressed and discussed will include the technique for using echograpy in endodontics; its advantages versus conventional radiographic techniques in the diagnosis of bone lesions of endodontic origin; its application in the differential diagnosis between different endodontic lesions (fluid vs. solid lesions) and between different lesions of the jaws.

- Understand the basic principles of echography.
- Understand the application of this examination to endodontic diagnosis as an alternative and/or as a complement to regular radiograph.
- Discuss the possible advantages and disadvantages of this technique comparing it with conventional radiography.



#### horizons

## 10 - 11:30 a.m., continued

#### Mandibular Block Failure in **Endodontic Therapy**

#### **Room 12**

MODERATOR: JAMES GUTTUSO, D.D.S. DELRAY BEACH, FLA.

ALEXANDRE A.P. FI FIIRY D.D.S., M.S. Ft. Lauderdale, Fla.



The attainment of clinically acceptable anesthesia is often

problematic in the treatment of symptomatic pulpitis and symptomatic apical periodontitis, especially in mandibular teeth. This presentation will identify the extent of this problem, the organic components involved with this condition, and the possible causes of mandibular block failures. Hence, the main objectives of this presentation are to elucidate why the mandibular block fails, and how to overcome this frustrating and recurrent problem. Several techniques will be presented to overcome these anesthesia difficulties, mainly during emergency treatment of endodontic cases.

At conclusion, participants should be able to:

- Learn a new anesthesia technique when facing a mandibular block failure in the office.
- Understand and apply the techniques clinically, as endodontists, predoctoral and advanced specialty education in endodontics students, or as any dentist treating emergency cases.
- Learn updated and correct mandibular block techniques.

#### Motivate and Retain Staff

#### Room 13/14

DEBORAH ODELL, M.B.A., SANTA ROSA, CALIF.

See p. 26 for a complete session synopsis.

#### Radiography Basics: Emphasis on **Endodontics**

#### **Room 15/16**

BARBARA TRAINES, C.D.A., M.Ed., CHANDLER, ARIZ.

See p. 27 for a complete session synopsis.

#### **Endodontic Education** at the Zurich Dental School—Trials and **Tribulations**

#### **Room 18**

MODERATOR: CHARLES J. CUNNINGHAM, D.D.S. GAINESVILLE, FLA.



FRED BARBAKOW. B.D.S., H.D.D., M.Sc. ZURICH, SWITZERLAND



Participants will be taken on a roller coaster ride describing the vicissitudes of endodontic education at the Zurich Dental School from 1990 until now. Learn about problems in endodontic education in Europe, generally and specifically in Zurich. Highlights include: teaching a rotary technique for freshmen in lab and clinical courses; establishing the first Swiss school to teach endodontics as a specialty; and briefly describing results of some recent research projects.

At conclusion, participants should be able to:

- Describe recent developments in endodontic education at the Zurich University Dental School including the use of a rotary technique.
- Describe how local nonendodontic dental educators suggest that root canal therapy should be taught at under- and postgraduate levels.
- Discuss pros and cons of the lab and clinical cases presented.

#### 3-D Root Canal Anatomy

#### **Room 19**

DONALD CHU YU, D.M.D., M.Sc.D., EDMONTON, ALBERTA, CANADA

See p. 27 for a complete session synopsis.





## educational sessions • saturday

final program

#### Root-End Surgery—A Clinical and Literature Review

#### Room 20/21

MODERATOR: STEVEN ROBERTS, D.D.S.

ANTHONY E. HOSKINSON. B.D.S., M.Sc. BUCKINGHAMSHIRE. **ENGLAND** 



EVANS. GA.

The practice of root-end surgery has undergone dramatic changes over the past decade. As a result of the awareness of the moderate success rates associated with the traditional approach, a new philosophy and armamentarium has evolved. There are now a number of recently published studies concerning the changes in root-end surgical procedures. This presentation will examine the literature over this period and relate it to the current clinical practice of surgical endodontics.

At conclusion, participants should be able to:

- Confirm their knowledge of the indications for surgical retreatment, the current clinical techniques and armamentarium.
- Be aware of the recent literature concerning root-end surgery techniques and the conclusions drawn.
- Apply this knowledge to their own clinical practices.

#### Differential Diagnosis of the Nonodontogenic **Toothache**

#### Room 22/23

MODERATOR: TY E. ERICKSON, D.D.S. WEST DES MOINES, IOWA

DONNA J. MATTSCHECK, D.M.D. MINNEAPOLIS, MINN.



This presentation will

describe the important aspects in taking a history from pain patients and outline a systematic approach to taking histories. The clinical characteristics of neurologic, vascular and other types of facial pain will be highlighted.

At conclusion, participants should be able to:

- Better understand how to take a pain history.
- Recognize "red flags" for the nonodontogenic toothache.
- Formulate a differential diagnosis for nonodontogenic pain.

#### Cleaning and Shaping to Perfection? The Impact of Nickel-Titanium on **Root Canal Preparation**



#### Room 24/25

Manish Garala, B.D.S., Plantation, Fla. SERGIO KUTTLER, D.D.S., Ft. LAUDERDALE, FLA.

See p. 28 for a complete session synopsis.

## **► 1:30 – 3 p.m.**

#### Surgical Management of the Maxillary Sinus and the Mandibular Nerve **During an Apical** Surgery

#### **Room 12**

MODERATOR: RITA ECHEVARRIA, D.D.S. MIAMI. FLA.



CHARBEL R. ALLAM, D.C.D., D.E.S.E. BEIRUT. LEBANON



The prognosis of endodontic surgery can be affected by the presence of serious anatomical elements such as the maxillary sinus and the mandibular nerve. In such cases, the surgeon will be facing two situations: whether the apex is in close contact with the sinus membrane or the mandibular nerve, or the apex is in the sinus or beyond the nerve. Thus, a new bone trephination technique will be described step-by-step in this presentation, for bone trephination is the most important and delicate stage allowing us to locate the apex and avoid postoperative problems.

- Learn how to cut the bone and locate the apex in such situations.
- Learn how to manipulate the mandibular nerve.
- Increase the rate of success of the surgical act and to cure formerly incurable teeth.





#### orizons

## 1:30 - 3 p.m., continued

#### Why It's Important to Your Practice to Get **Involved With Dental Organizations**

#### Room 10

MODERATOR: EDWIN S. MEHLMAN, D.D.S. PROVIDENCE, R.I.

Learn from the masters about dental organizations' influence on your livelihood. in the American Dental



D. GREGORY CHADWICK,

D.D.S.

Endodontists who were active Association won the specialty's

recertification in 1989 that allows us to practice today as endodontists. A strong voice in the ADA House of Delegates protects endodontic interests. Representation on the ADA Council on Dental Benefit Programs assures a voice in determining procedure codes which affect your bottom line. The endodontic commissioner on the Commission on Dental Accreditation speaks for all postgraduate students and educators when new or revised accreditation standards are presented for a vote. Your leadership can benefit all endodontists, the public and our patients.

At conclusion, participants should be able to:

- Understand the relevance of the ADA in the universe of dentistry.
- Understand why being involved in dental organizations can affect your bottom line.
- Describe the process to become a leader.

#### Additional Participants:

SAMUEL O. DORN, D.D.S. JOEL L. DUNSKY, D.D.S. HOWARD B. FINE, D.M.D. STUART B. FOUNTAIN, D.D.S., M.S.C. ERIC J. HOVLAND, D.D.S. WILLIAM D. POWELL, D.D.S., M.S. BRUCE H. SEIDBERG, D.D.S., M.Sc.D., J.D. CHARLES L. STEFFEL, D.D.S., M.S.D. ROBERT A. UCHIN, D.D.S.

#### **HIPAA Overview for Dentists**

#### Room 13/14

MODERATOR: RANDOLPH D. RUSH. D.D.S. SANTA-ROSA, CALIF.

(This session will not be recorded.)

Dr. Lapp is the Director of Dental Informatics at the

American Dental Association where he has coordinated HIPAA activities since 1998. The Health Insurance Portability and Accountability Act of 1996 (HIPAA) has led to sweeping new federal requirements for the management of administrative and patient information in health care organizations. This presentation will help take the mystery out of HIPAA compliance, debunk some of the myths and demonstrate some of the benefits that can be achieved in your dental practice. The American Dental Association has been instrumental in developing and maintaining the electronic transactions adopted by HIPAA; was named in the enabling legislation as a consultant to the Secretary on HIPAA implementation; is a designated code source for The Code on Dental Practices and Nomenclature; and has represented the interests of organized dentistry and other small providers in achieving reasonable and scaleable HIPAA requirements.

At conclusion, participants should be able to:

- Understand the requirements for HIPAA implementation.
- Understand the achievable steps that can help ease compliance for dentists.
- Understand the real world implications of HIPAA requirements and opportunities.

#### **Biologic Basis for** Successful Endodontic Treatment

#### Room 15/16

MODERATOR: BILLIE G. JEANSONNE, D.D.S., Ph.D. NEW ORLEANS. LA.

MARTIN TROPE B.D.S., D.M.D. CHAPEL HILL, N.C.

ROBERT E. LAPP,

CHICAGO, ILL.

PH.D.



A dentist must have a solid biologic basis for all treatments that he/she performs. All new techniques or technologies must be assessed in the context of their ability to achieve the biologic objective to ensure maximal success. The biologic requirements for predictably successful endodontics will be presented. In the context of these requirements the advisability of one-step endodontic procedures will be discussed for different diagnostic categories with the use of modern instruments and techniques.

## educational sessions • saturday

• Recognize the differences between the various techniques

Describe the most important anatomic features of molar

 Consider the advantages and the disadvantages of each of the techniques described during the instrumentation procedure of the different root canal anatomies illustrated.

final program

- Know the biologic requirements for endodontic success.
- Differentiate between a vital and nonvital tooth in terms of meeting these requirements.
- Know to what extent the newest technologies in endodontics assist in attaining these biologic goals.

#### Three-Dimensional Room **Temperature Obturation:** The Optimizing Factors

#### **Room 18**

MODERATOR: WILLIAM R. WATSON JR., D.D.S., M.S. WICHITA, KAN.

\*Barry L. Musikant, NEW YORK, N.Y.

MASSIMO M. GAGLIANI.

M.D., D.D.S. MILAN, ITALY



This lecture will illustrate the

required factors for optimal obturation and critically review current obturation techniques. Participants will learn how to obturate efficiently with a single gutta-percha point at room temperature, seal lateral canals without excessive force or heat, and eliminate apical cement puffs in vital cases.

At conclusion, participants should be able to:

- Understand the relationship between canal shaping and obturation.
- Apply this knowledge to obturate predictably in a timeefficient and cost-effective manner in the complete spectrum of easy to complicated cases.
- Compare and contrast the efficacy of current obturation techniques.

#### **New Nickel-Titanium Engine-Driven Instruments:** Do They Always Match **Root Canal Anatomy?**

#### **Room 19**

MODERATOR: KENNETH NAMEROW, D.D.S. BOCA RATON, FLA.

The aim of this presentation

is to take into account some of the nickel-titanium instrumentation techniques and compare them in a clinical perspective. A description of their clinical uses as reported by the manufacturers will be discussed. Experimental evidences on different shaping sequences will be extensively discussed. A clear evaluation of some clinical situations, related to the anatomy of root canal systems, particularly focused on molar and premolar teeth, will be performed.

At conclusion, participants should be able to:



D.M.D.



#### The Root Canal, the Apex and Beyond

Room 20/21 MODERATOR: A. EDDY SKIDMORE, D.D.S. MORGANTOWN, W. VA.

disease.

illustrated.

and premolar teeth.

(This session will not be recorded.)

Successful endodontic therapy depends primarily upon correct diagnosis, evidencebased decision for specific treatment modalities and

careful performance of the clinical procedures. However, there are times that, despite endodontic procedures, healing does not occur. This presentation will delve into the reasons for nonhealing of some periapical lesions and provide biological evidence for the differential diagnosis of endodontic and nonendodontic

- Understand the criteria and factors for long-term clinical
- Understand the biologic reasons for endodontic failures.
- Understand the role of bacteria, endotoxin, spirochetes, fungi and viruses in endodontic disease.
- Perform differential diagnosis of periapical lesions of nonendodontic origin.

















## **1:30** – 3 p.m., continued

## In and Out: Transitions to Endodontic Practice

#### Room 22/23

MODERATOR: DENIS E. SIMON III, D.D.S., M.S. Baton Rouge, La.

This presentation will explore the different endodontic practice agreements and contractual arrangements for bringing in an associate, achieving partnership, planning for retirement, and providing for disability or death. The recruitment and retention of associates will also be reviewed with interaction from the participants.



GERALD C. DIETZ SR., D.D.S., M.S. Bloomfield Hills, Mich.



MICHAEL LEUCK, D.D.S., M.S. West Des Moines, Iowa



JOHN S. OLMSTED, D.D.S., M.S. GREENSBORO, N.C.



At conclusion, participants should be able to:

- Understand the different arrangements for associateship, partnership and retirement.
- Compare and contrast various agreements providing for disability or death.
- Apply this knowledge toward negotiation for an endodontic practice opportunity.

#### Fiber Optic and Rod-Lens Endoscope Visualization in Endodontics

#### Room 24/25

MODERATOR: M. LAMAR HICKS, D.D.S., M.S. JENKINSTOWN, PENN.

The technical advances over the last decade in the field of endodontics have been significant. One of these advancements has been the



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

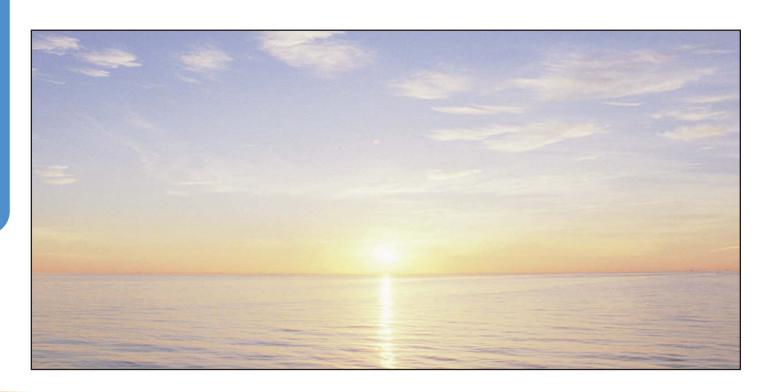


JOSEPH BARSS, D.D.S., M.S. CHICAGO, ILL.



evolution of fiber optic and rod-lens endoscope visualization for conventional and surgical endodontics. This session will discuss the integration of a new state-of-the-art fiber optic and endoscope visual system into everyday endodontic practice.

- Understand the difference between the old visualization technology vs. new visualization technology.
- Understand how fiber optic and rod-lens orascope visualization is best integrated into endodontic treatment procedures.
- Understand how to integrate visualization and instrumentation to perform endodontic treatment.





## **EXHIBITORS**

The AAE exhibit hall offers a variety of displays for your clinical, personal and business needs. The balanced combination of exhibits allows you to peruse the latest in surgical products and procedures. You'll also learn about services and technologies that will help you achieve peak performance and gain a competitive edge as the specialty moves into the next millennium of health care. Take the time to talk with representatives from major dental and medical suppliers, and take advantage of the many product discounts and special offers that are only available at the 2003 Annual Session!

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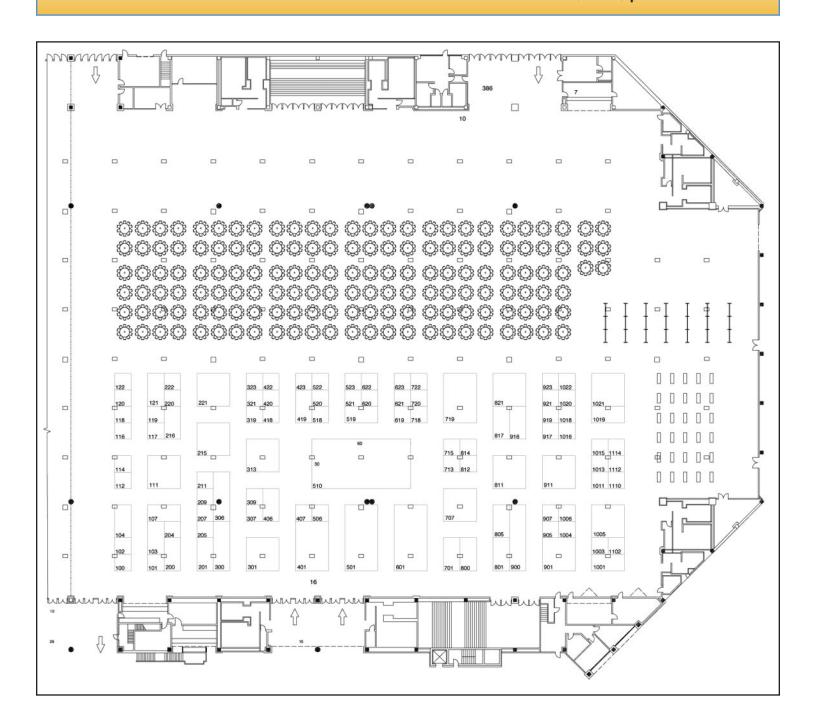
## **EXHIBIT HALL FLOORPLAN**

#### 2003 Exhibit Hall Schedule

Thursday, May 1 10 a.m. – 6 p.m.

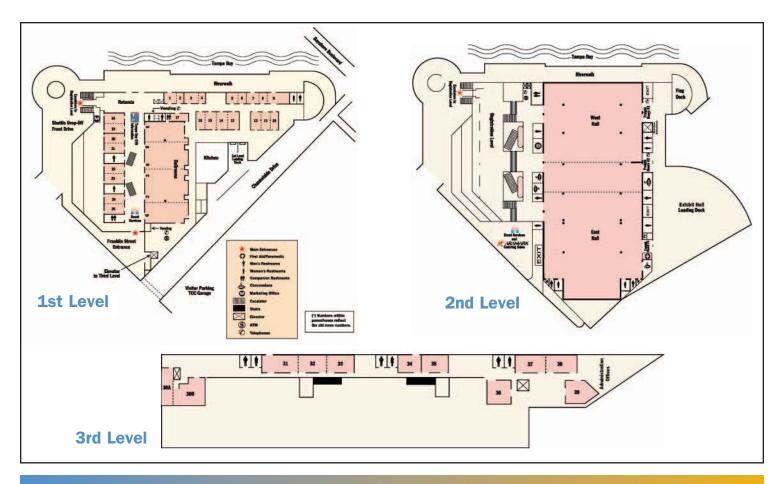
Friday, May 2 7 a.m. – 5 p.m.

Saturday, May 3 7 a.m. – 3 p.m.



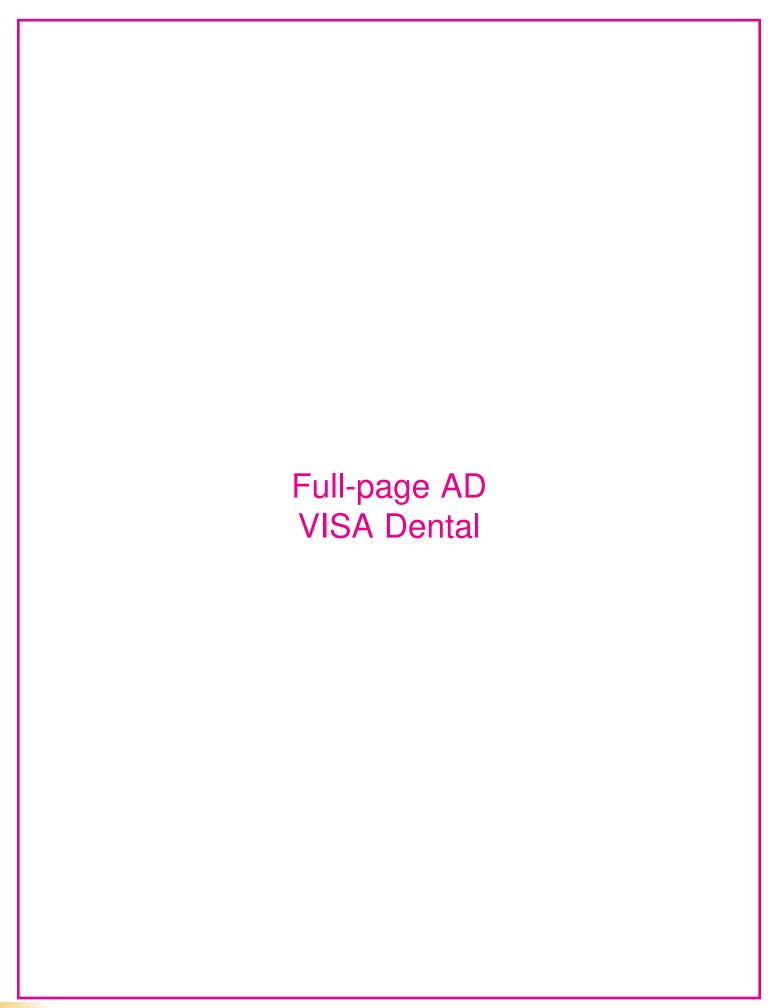


## **CONVENTION CENTER FLOORPLAN**



## TAMPA MARRIOTT WATERSIDE FLOORPLAN







## PAST PRESIDENTS

*W. Clyde Davis	'43-44	Jacob B. Freedland	'64-65	Herbert Schilder	'85-86
*Ralph F. Sommer	'44-45	*Henry S. Schmidt	'65-66	Michael A. Heuer	'86-87
*Robert G. Kesel	'45-46	John I. Ingle	'66-67	Charles J. Cunningham	'87-88
*E.G. Van Valey	'46-47	Edwin C. Van Valey	'67-68	Joseph D. Maggio	'88-89
*Maynard K. Hine	'47-48	*Samuel S. Patterson	'68-69	Gerald C. Dietz Sr.	'89-90
*Louis I. Grossman	'48-49	*Warren J. Hedman	'69-70	James C. McGraw	'90-91
*Elmer A. Jasper	'49-50	*John F. Bucher	'70-71	Joseph I. Tenca	'91-92
*Raymond L. Girardot	'50-51	Dudley H. Glick	'71-72	Stuart B. Fountain	'92-93
*George G. Sharp	'51-52	I.B. Bender	'72-73	Eric J. Hovland	'93-94
*F. Darl Ostrander	'52-53	Charles A. Scott Jr.	'73-74	Richard C. Burns	'94-95
*Laurence A. Lucas	'53-54	Alfred L. Frank	'74-75	Philip W. Cohen	'95-96
*N. Weir Burkman	'54-55	Robert A. Uchin	'75-76	Jerome V. Pisano	'96-97
*Harry J. Healey	'55-56	*Frank B. Trice	'76-77	Denis E. Simon III	'97-98
*John R. Pear	'56-57	George A. Zurkow	'77-78	Carl W. Newton	'98-99
*George C. Hare	'57-58	Harry Blechman	'78-79	Harmon R. Katz	'99-00
George G. Stewart	'58-59	Paul E. Zeigler	'79-80	James L. Gutmann	'00-01
*J. Henry Kaiser	'59-60	*Edward M. Osetek	'80-81	Jeffrey W. Hutter	'01-02
*Paul P. Sherwood	'60-61	Henry J. Van Hassel	'81-82	·	
*Glenn R. Brooks	'61-62	Noah Chivian	'82-83		
*Vincent B. Milas	'62-63	Donald E. Arens	'83-84		
James H. Sherard Jr.	'63-64	Stephen F. Schwartz	'84-85	*Deceased	

# 1/2-page Ad AAE Fall Conference?



## PAST AWARD RECIPIENTS

Edgar D. Coolidge Award	
*Edgar D. Coolidge	'69
*Harry B. Johnston	'70
*Henry A. Bartels	'71
*Bertram L. Wolfsohn	'74
*Vincent B. Milas	'75
Worth B. Gregory	'78
Jacob B. Freedland	'80
Alfred L. Frank	'81
George G. Stewart	'82
*F. Darl Ostrander	'83
*Maynard K. Hine	'83
*George C. Hare	'84
*Irving J. Naidorf	'85
Harry Blechman	'86
I.B. Bender	'87
Dudley H. Glick	'88
*Samuel S. Patterson	'89
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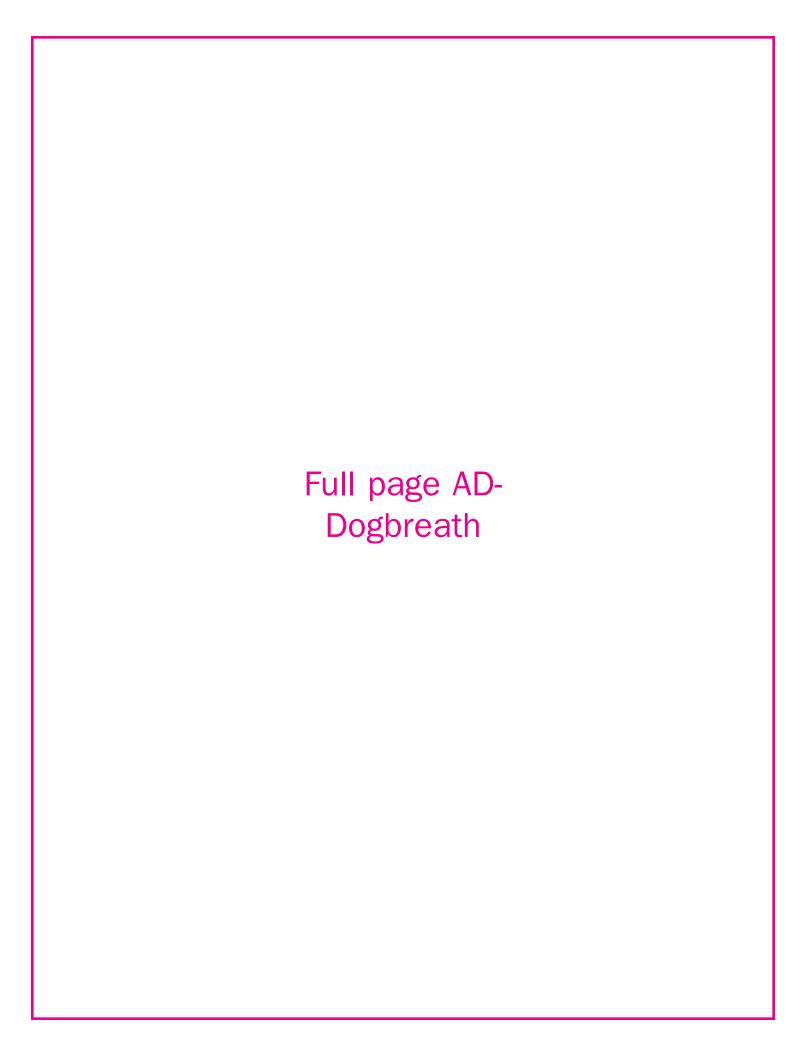
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