



2016 Endodontic Board Review and Scientific Update Schedule University of Tennessee

DAY 1: Friday, January 22, 2016

7 a.m. *Registration and Breakfast*

7:45 a.m. *Welcome*

Dr. Randy Todd, Board Review Course Director and COD President
Dr. Adam Lloyd, Assistant Professor and Chair, Department of Endodontics, Director,
Graduate Endodontic Program, University of Tennessee
Dr. Terryl Propper, President of the American Association of Endodontists

8:30 a.m. *Endodontic Diagnosis*

Dr. Louis Berman

Learning Objectives:

- Describe the various types of pulpal and periodical diagnostic terminologies.
- Describe the various types of diagnostic tests.
- Understand the various clinical and radiographic appearances of root fractures.

Disclosure: *Dr. Berman has no past or present proprietary or relevant financial relationship or receive gifts in kind (including soft intangible remuneration), consulting position or affiliation, or other personal interest of any nature or kind in any product, service, course and/or company, or in any firm beneficially associated therewith.*

10:15 a.m. *Break*

10:30 a.m. *Risk Assessment and Management of the Medically Complex Endodontic Patient*

Dr. Bradford Johnson

The goal of this presentation is to serve as a brief overview of common medical conditions that may require modification of the standard treatment protocol to ensure safe endodontic treatment. The intended audience is candidates preparing for the written and oral parts of the American Board of Endodontics certification exam and other endodontists.

Learning Objectives:

- Describe a risk assessment strategy for medically complex patients and know when to modify your standard treatment protocol and/or seek medical consultation prior to treatment.
- Discuss common drug:drug interactions and allergies relevant to endodontic practice.

- Explain appropriate treatment modifications for patients with cardiovascular disease, diabetes, pulmonary diseases, kidney and liver disease, immunosuppression, history of bisphosphonate therapy and prosthetic joint replacement.

Disclosure: *Dr. Johnson has a past or present consulting position or affiliation with DENTSPLY Tulsa Dental Specialties and has received honorarium from the College of Diplomates and the Chicago Dental Society.*

12:15 – 1 p.m.

Lunch

1 p.m.

Trauma and Resorption: Implications in Endodontics

Dr. Frederic Barnett

Root resorption is a common sequelae after traumatic injuries to the periodontal ligament and/or dental pulp. The course of root resorption involves an elaborate interaction among inflammatory cells and mediators, resorbing ‘clastic’ cells and hard tissue structures. Types of tooth resorption include internal and external resorption. Internal resorption has been categorized into internal replacement and internal inflammatory resorption. External resorption has been classified into four categories by its clinical and histologic manifestations: external surface, external inflammatory, replacement and ankylosis. This presentation will address the etiology, diagnosis and treatment of root resorption.

Learning Objectives:

- Understand the etiology and pathogenesis of the different types of root resorption.
- Develop a comprehensive treatment approach for teeth with root resorption.
- Understand the challenges involved when a tooth becomes ankylosed in the growing child.

Disclosure: *Dr. Barnett has received a past or present honorarium from Brasseler USA, Carestream Dental, SybronEndo and Ultradent.*

2:45 p.m.

Break

3 p.m.

Inflammation and Immunology

Dr. Ashraf Fouad

Learning Objectives:

- Discuss the major systems that mediate the host response in pulpal and periapical inflammation.
- Identify the differences between innate and specific immune responses to endodontic pathogens.
- Describe the mechanism of bone resorption and deposition as it relates to pathogenesis and healing of periapical lesions.

Disclosure: *Dr. Fouad has no past or present proprietary or relevant financial relationship or receive gifts in kind (including soft intangible remuneration), consulting position or affiliation, or other personal interest of any nature or kind in any product, service, course and/or company, or in any firm beneficially associated therewith.*

4:45 p.m.

Break

5 p.m.

ABE Boardwalk

Dr. Donna Mattscheck, President of the American Board of Endodontics

The Boardwalk presentation is intended to provide valuable information regarding the certification process. A detailed explanation of the examination sequence will be provided. Helpful hints for preparation of the Written, Case History Portfolio and Oral Examinations will be outlined. The current timeline for progression through the certification process will be detailed along with current recertification guidelines. At the conclusion of the presentation, questions will be fielded from the audience regarding topics pertaining to endodontic Board certification.

Learning Objectives:

- Describe the different levels of candidate status for Board certification.
- Describe the sequence and timelines for examinations required for endodontic Board certification.
- List the requirements for recertification.

Disclosure: *Dr. Mattscheck has received past honorarium from DENTSPLY, and past and present other financial or material support from the AAE, ABE and COD for travel.*

6 p.m.

Mock Oral Exam

Dr. Paul Eleazer

The primary objective of the mock oral exam is to familiarize attendees to the format for the ABE Oral Examination. By using a skit format, examples will be demonstrated of good and bad responses, with poor responses not necessarily wrong, but not demonstrating expertise. Further, tips for the written and case portfolio portions will be included.

Learning Objectives:

- Realize the importance of timing in their answers as well as the need for thoroughness.
- See the need for practice in their presentation in order to properly present their knowledge on each of the 10 areas.
- Understand the need to move forward after a less than perfect response. No one can possibly answer every area of every scenario perfectly and the grading system takes this into account.
- Realize that the ABE examination process demands expertise, not merely being able to make short answers.

Disclosure: *Dr. Eleazer has a past or present consulting position or affiliation, grants/research support, has received honorarium, and other financial or material support (major clinic grant) from DENTSPLY Tulsa Dental Specialties.*

7 – 8:30 p.m.

Wine and Cheese Reception

DAY 2: Saturday, January 23, 2016

7 a.m.

Breakfast

8 a.m.

The Current Best Evidence for Endodontic Treatment Outcomes

Dr. Shimon Friedman

The outcome of endodontic treatment modalities has been challenged because of inconsistent reports on prognosis, especially for teeth requiring treatment of persistent

endodontic disease. This inconsistency is confusing to dentists and endodontists and it may act to skew their treatment planning decisions. The definitive outcomes of treatment need to be determined for specific endodontic treatment modalities (initial treatment, retreatment, apical microsurgery, intentional replantation, autogenous transplantation, vital pulp therapy, revascularization, apexification, etc.) and in relation to specific outcome goals (healing, functional retention, survival). To do so, studies consistent with the CURRENT BEST EVIDENCE should be identified as reference, and the definitive outcomes effectively communicated to provide dentists better insight into endodontic prognosis. This lecture will define the outcomes of endodontic therapy in regards to healing, functional retention and survival based on the current best evidence for the major endodontic treatment modalities. Clinical factors will be highlighted that may influence the outcomes.

Learning Objectives:

- Describe the methodological considerations for clinical research aimed at studying prognosis.
- Identify the current best evidence for different endodontic treatment modalities.
- Summarize the prognosis, functional retention and survival after endodontic treatment.
- List the clinical factors that influence the prognosis after endodontic treatment.
- Debate the impact of treatment techniques on prognosis after endodontic treatment.

Disclosure: *Dr. Friedman has received a past or present honorarium from DENTSPLY Maillefer and DENTSPLY Tulsa Dental Specialties.*

9:45 a.m.

Break

10 a.m.

Regenerative Endodontics

Dr. Ken Hargreaves

Considerable excitement exists for developing dental applications that employ postnatal stem cells and concepts of tissue engineering. Although much remains to be done to advance this field, progress has been made in clinical regenerative endodontic procedures: literally, saving teeth by regenerating a pulp-dentin complex. This program will describe the current status of regenerative endodontic procedures, their potential and predictors of healing success. Both clinical and basic studies will be reviewed to provide the practitioner with the latest information on this field with an emphasis on practical steps to be applied to these procedures in treating selected patients.

Learning Objectives:

- Describe the three major steps in tissue engineering and how they apply to regenerating the pulp-dentin complex.
- Understand the clinical principles needed for regenerative endodontic procedures.
- Be able to describe clinical outcomes of successful regenerative endodontic procedures.

Disclosure: *Dr. Hargreaves has no past or present proprietary or relevant financial relationship or receive gifts in kind (including soft intangible remuneration), consulting position or affiliation, or other personal interest of any nature or kind in any product, service, course and/or company, or in any firm beneficially associated therewith.*

11:45 a.m. – 1 p.m. *Lunch*

1 p.m. *Oral Pathology and Facial Space Infections*
Dr. John Hellstein

During this course, the participant will be exposed to numerous pathologic entities of the jaws particularly those of the alveolar processes. Both radiolucent and radiopaque entities will be addressed. In addition to odontogenic cysts and tumors, metastatic lesions to the jaws as well as hematologic malignancies will be covered. Infections of the head/neck area can be quite serious and originate from necrotic teeth. The various anatomic spaces and paths for these odontogenic -based infections will be addressed.

Learning Objectives:

- Understand the presentations of odontogenic and nonodontogenic entities in the tooth bearing areas.
- Identify the potential paths for which infections may proceed in the head neck area.
- Understand the radiographic and treatment options associated with various pathologic processes of the jaws.
- Describe proper referral and diagnostic workup protocols.

Disclosure: *Dr. Hellstein has a past or present consulting position or affiliation with the American Dental Association and has received honorarium from CIE.*

2:45 p.m. *Break*

3 p.m. *Microbiology of Endodontic Disease*
Dr. Christine Sedgley

This presentation is aimed at both dentists and endodontists who would like to both review the relevant literature and update their knowledge about endodontic microbiology. In particular, the recent trend toward describing endodontic infections in terms of biofilm communities, as well as new developments in clinical management of root canal infections will be discussed.

Learning Objectives:

- Describe the major developments in endodontic microbiology and how they have influenced the practice of endodontics.
- Understand current concepts in endodontic microbiology.
- Describe the significance of biofilm communities in endodontic infections.
- List the effects of endodontic treatment on microflora.

Disclosure: *Dr. Sedgley has no past or present proprietary or relevant financial relationship or receive gifts in kind (including soft intangible remuneration), consulting position or affiliation, or other personal interest of any nature or kind in any product, service, course and/or company, or in any firm beneficially associated therewith.*

4:45 – 5:30 p.m. *Q&A*

DAY 3: Sunday, January 24, 2016

7 a.m. *Breakfast*

8 a.m. *Periradicular Surgery and Repair*

Dr. George Bruder

In this lecture, review surgical endodontic literature and techniques with special focus on diagnosing endodontically treated teeth that may be candidates for nonsurgical/surgical retreatment or implant therapy will be reviewed.

Learning Objectives:

- Describe the metamorphoses that exist between classic and contemporary surgical techniques.
- Identify biologic aspects of surgical endodontics and spatial features.
- Discuss the prognosis of surgical endodontics and future endodontic treatment modalities.

Disclosure: *Dr. Bruder has a past or present consulting position or affiliation with DENTSPLY Tulsa Dental Specialties.*

9:45 a.m. *Break*

10 a.m. *Antibiotics, Analgesics and Pain Control in Endodontics*

Dr. Paul Eleazer

This will be a fast-paced review of analgesics, anesthetics and antimicrobials. The broad topic will allow one to review his or her knowledgebase in these aspects of pharmacology. The rapid-fire nature will allow one to identify areas for review at a later date.

Learning Objectives:

- Differentiate between classes of antibiotics and understand technique and objectives of culture and sensitivity testing of infectious material from the jaws
- Understand how pKa affects selection of local anesthetics for time of onset, how pH affects injection pain, and how volume of solution injected can aid profoundness of anesthesia.
- Be able to quote latest opioid formulations and DEA regulations for prescription.

Disclosure: *Dr. Eleazer has a past or present consulting position or affiliation, grants/research support, has received honorarium, and other financial or material support (major clinic grant) from DENTSPLY Tulsa Dental Specialties.*

11:45 a.m. *Closing Remarks*

Noon *Program Conclusion*