



College of Diplomates of ABE
Ritz Carlton Grande Lakes
Orlando, Florida
Biennial Summer Conference
August 1-4, 2024
Emerging Paradigms in Endodontics
Location Sienna I & II

Thursday, August 1, 2024

5:30pm-6:30pm *Welcome Reception*

Cocktails and light hors d'oeuvres to be served.

Friday, August 2, 2024

8:00am *Registration Check-in and Breakfast Buffet*

8:30am *Introduction and Welcome*

Moderator: Dr. Craig Schneider

- Dr. Natasha Flake
AAE President
- Dr. Patricia Tordik
President of AAEF
- Dr. Craig Schneider
President College of Diplomates

8:45am- 12:45pm *Endodontics and Artificial Intelligence (4.0 CE Credits)*

Dr. Asma Khan and Dr. Frank Setzer

Moderator: Dr. Jeff Neal

Artificial Intelligence (AI) is an exciting technology already affecting many aspects of our lives. As such, AI-supported applications also have the potential to transform Endodontics. Recent advances include the application of AI to improve the detection and diagnosis of endodontic disease, such as periapical lesions or cracks and fractures. There are, however, challenges to be overcome before AI applications can become mainstream use in dentistry. Aspects such as the black-box phenomenon, domain shift, or data harvest from medical chart records need further improvement and adaptation. This presentation addresses these concerns and further issues from the perspective of the practicing dentist. It is also designed to prepare dental clinicians to engage actively in the development and regulation of novel AI applications.

Learning Objectives:

1. Explain the potential of artificial intelligence in aiding in the detection and diagnosis of periapical lesions and fractures.



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2. Describe the benefits of AI-assisted evaluation from a medico-legal perspective.
3. Discuss current pitfalls and obstacles that need to be addressed to be applicable for Endodontics and dentistry in general.

Disclosure: Dr. Setzer discloses that he has received Grant/Research support from NIH 1R41DE031485-01

Saturday, August 3, 2024

8:00am Breakfast

8:30am- 10:30am *Proposed New Joint AAE/AAPD Vital Pulp Therapy (VPT) Guidelines for Permanent Teeth (2.0 CE Credits)*

Dr. James Coll

Moderator: Dr. Andrea Lisell

The proposed new VPT guidelines for permanent teeth diagnosed with normal, reversible, and irreversible pulpitis will be presented. These guideline recommendations were developed by a joint workgroup of the AAE and AAPD associations. They are based on a systematic review current through June 2023. The participant will learn the recommended VPT for patients based on forest plots of current evidenced-based research.

Learning Objectives:

1. The participant will learn the permanent tooth's recommended pulpal treatment with certainty of evidence for deep caries and trauma conditions.
2. Upon completion, the participant will be able to understand and apply the evidence-based recommendations supporting vital pulp therapies in permanent teeth.



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10:30- 11:30am *Biology of Vital Pulp Therapy (1.0 CE Credits)*

Dr. George Huang

Moderator: Dr. Ken Frick

Vital pulp therapy has regained significant attention in the recent decade due to i) increased use of calcium silicate cement for pulp capping with high success rates; ii) increased understanding of dental pulp stem cells and their regenerative capacities; and iii) increased histological evidence of pulpal response to caries invasion. A profound knowledge of the biological aspects of vital pulp therapy is of paramount importance in the diagnosis, treatment planning and outcome prediction of the case.

This presentation will overview the biology of the pulp in the following areas: i) dental pulp stem cells and their ability to regenerate pulp and dentin; ii) cellular and molecular basis of pulpal response to irritation, caries invasion, trauma and capping materials; iii) replacement odontoblasts; iv) dentin bridge formation; and v) pulp calcific metamorphosis.

Learning objectives:

At conclusion, participants should be able to:

1. Describe the basic biology of pulp stem cells.
2. Describe the definitions of replacement odontoblasts.
3. Describe the definitions and biology of pulp calcific metamorphosis.
4. Describe the biological nature of dentin bridge.

11:30am- 12:30pm

Vital Pulp Therapy Panel Presentation (1.0 CE)

Moderator: Dr. Ron Taylor

- Drs. Amber Ather, James Coll, George Huang, and Michael Sabeti

Disclosures: Dr. Ather has no disclosures. Dr. Sabeti



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Sunday, August 4, 2024

8:30-9:30 Farewell Breakfast

9:30am- 10:30am *Innovative Strategies for the Modern Endodontic Practice (1.0 CE Credit)*

Dr. Elizabeth Shin Perry

Moderator: Dr. Angela Noguera

In the evolving landscape of endodontics, staying at the forefront of innovative strategies is essential for enhancing patient care and operational efficiency. This presentation will explore the latest advancements and methodologies that can be integrated into modern endodontic practice. By focusing on patient engagement, communication techniques, and the application of artificial intelligence, this session aims to equip practitioners with practical tools to improve patient satisfaction and streamline practice management. Attendees will gain insights into promoting advanced endodontic treatments to referring dentists and potential patients, thereby positioning their practice for sustained success.

At the conclusion of this presentation, participants will be able to:

- Implement innovative strategies to enhance patient engagement and satisfaction in endodontic practice.
- Effectively communicate and promote advanced endodontic treatment modalities to referring dentists and potential patients.
- Integrate artificial intelligence tools to streamline practice management tasks and enhance operational efficiency.

10:30am Conference Concludes