

EDWARD C. PENICK



ENDODONTIC STUDY CLUB

www.penickstudyclub.com

District I Component of the AAE in Collaboration with the Edward C. Penick Endodontic Study Club

Date: January 23, 2025

Venue: Maggiano's Little Italy – Friendship Heights

Meeting Schedule:

Cocktail ½ Hour: 5:30 to 6:00 p.m.

Dinner and Business Meeting: 6:00 to 6:45 p.m.

Lecture: 6:45 to 8:30 p.m.

Q & A: 8:30 to 8:45 p.m.

Speaker: Jennifer L. Gibbs, M.A.S, D.D.S., Ph.D.

Lecture Topic: The neurobiological foundation of endodontic treatment planning and diagnosis.

Lecture Synopsis:

We will review how understanding how the sensory nervous system works can provide insights into endodontic diagnosis and treatment planning. This included the conundrum of persistent post treatment pain, how neuronal sensitization is what we are detecting when we perform routine endodontic diagnostic testing, and how central sensitization is related to odontogenic pain. We will also discuss biologically informed strategies to reduce the risk of persistent pain after routine surgical and non-surgical endodontic treatments.

Learning Objectives: At the conclusion of this lecture, the participants should be able to:

1. Explain how sensitization of sensory neurons influences endodontic diagnosis.
2. Identify strategies to reduce the risk of persistent pain after surgical and non-surgical endodontic treatments.
3. Understand how the unique innervation of the dental pulp complicates endodontic diagnosis.

About the Speaker:



Bio:

Jennifer L. Gibbs is Director of the Endodontics Division and Program Director of Advanced Graduate Education Program in Endodontics and an Associate Professor at Harvard School of Dental Medicine. She received her dental degree and her Ph.D. in Pharmacology from the University of Texas Health Science Center San Antonio. She then completed a certificate in Endodontics and an M.A.S. in Clinical Research from the University of California San Francisco, as well as a postdoctoral training period. She is now a full time faculty at Harvard School of Dental Medicine and serves as Director of the Division of Endodontics and Program Director of Advanced Graduate Endodontics at HSDM. She is a diplomate of the American Board of Endodontics. Dr. Gibbs heads a translational research group focused on understanding the neurobiological mechanisms of orofacial pain with a focus on dental pain, and patient centered outcomes of endodontic treatments. She teaches clinically in the advanced graduate Endodontic Program, and at Boston Children's Hospital. Dr. Gibbs provides endodontic care for patients in private practice. She is a past Educator Fellow of the American Association of Endodontics and was recently recognized by the International Association for Dental Research with a Distinguished Scientist Award in Pharmacology.

Speaker Disclosure: In accordance with Club policy, Dr. Burns has conflicts of interest to declare including receipt of gifts in kind, consulting affiliations, monetary compensation, or other personal interests in a product, service, course, or company. She has received a research grant from Odne AG for \$30,000 and others from the NIH and AAE.

Meeting Announcements and Information:

All fees for this meeting are inclusive of your Penick membership dues. There is no penalty for canceling. Questions should be directed to the Penick Study Club Secretary at PenickEndo@gmail.com. Attendance will be documented at each meeting. It is the responsibility of each attendee to follow the prescribed procedure for confirming attendance during each meeting. Declarations of attendance following the meeting will not be accepted. Members will receive **one** electronic form after the final Penick Study Club meeting that will list all meetings attended and the total corresponding CE credit hours earned. Up-to-date meeting information will be posted on the Penick website: www.penickstudyclub.com and on the Penick Endodontic Study Club Facebook page.

Prerequisites:

All attendees must be licensed dentists and members or registered guests of the Penick Endodontic Study Club. There are no prerequisites for this course.

2 CE Hour(s) will be awarded:

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