



MASSACHUSETTS ASSOCIATION
OF ENDODONTISTS
affiliate

District I Component of the American Association of Endodontists

IS PLEASED TO INVITE YOU TO ATTEND THE

2022 MAE FALL MEETING LECTURE

October 10th, 2022

“Biologic Principles in Modern Endodontics: Apical Limit and Patency”

By Domenico Ricucci, MD, DDS



Dr. Domenico Ricucci received his degree in General Medicine from “La Sapienza” University of Rome in 1982, followed by his DDS in 1985. Since then, he has maintained private dental practices limited to endodontics. In addition to his private practice, Dr. Ricucci was Professor of Cariology at “Magna Graecia” University of Catanzaro, Italy in 2002 -2003 and served on the Research Committee of the European Society of Endodontology from 1999 to 2005.

Since 1998, Dr. Ricucci has run his own histology laboratory and has developed considerable skills in hard tissue preparations for light microscopy. His research interests include:

- Pulpal and periapical tissue reactions to caries and treatment procedures
- Biofilms in endodontic infections
- Etiology of root canal treatment failure
- Pulpal regeneration/revascularization.

Dr Ricucci has published 112 papers and lectured nationally and internationally. He has authored the Textbook and Atlas “Patologia e Clinica Endodontica” and “Endodontology. An integrated biological and clinical view”, which have been translated into Chinese, Russian, and Japanese. Furthermore, he has authored or co-authored 22 book chapters.

Dr. Ricucci has no past proprietary or relevant financial relationship or receives 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.

Abstract:

The apical limit of root canal instrumentation and obturation is a controversial issue in modern endodontics. Over the last several decades, the concept of moving small instruments through the apical constriction with the intention of preventing debris accumulation, canal obstruction, and disrupting bacterial biofilms, has gained increasing popularity among clinicians. However, the available literature often generates confusion and uncertainty for practitioners seeking clinically relevant information supported by evidence.

The purpose of this presentation is to offer an evidence-based evaluation of apical patency within the context of apical anatomy, microbiology and histology. My research indicates that the best histologic response is observed when adequate instrumentation and homogeneous obturation are conducted to the apical constriction, without apical patency. With these findings in mind, we must also conclude that the “zero reading point” indicated by most apex locators corresponds to a point that is out of the canal, in the adjacent periodontal ligament.

Clear philosophic differences regarding the apical limit and patency have developed over time. This research provides an objective evaluation of the apical limit and patency from which evidence based and clinically relevant conclusions may be drawn.

Learning objectives:

- Differentiate the histologic and microbiologic conditions present in various clinical scenarios
- Identify the limitations of current instrumentation techniques in removing vital or necrotic tissue from the apical ramifications and other anatomical irregularities
- Discuss the advantages and disadvantages of apical patency on the wound healing process
- Assess the use of modern electronic apex locators in establishing working length

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Lecture Details

Date: **Monday October 10th, 2022**

Location: **Hilton Dedham, 25 Allied Dr, Dedham, MA 02026**

Time: **6:00 PM Reception and Cocktails**
7:00 – 9:00 PM Dinner and Lecture

CE credits: **2 CEU**

Registration: **MAE Members \$70 (74.49 w/ service fee)**
MAE Non-Member \$100 (\$105.99 w/ service fee)
Post-Graduate Students \$35 (\$37.74 w/ service fee)
Program Director Free

Please **register online** * and make dinner selection at:

<https://maefall2022.brownpapertickets.com>

Online registration closes on October 1st, 2022

**A limited number of tickets are available at the door: MAE Members \$100, Post-Graduate Students \$50, Non-members \$120*

Cancellation / Refund policy: Registration fee will be refunded in full less service fees if the MAE receives written notification of cancellation by September 23rd, 2022.

Questions: please write to us at: massendodontists@gmail.com

There are no course prerequisites for this event.

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