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

Date: 4 March 2021

Venue: Go to Meeting

Meeting Schedule:	Log in and set up	6:00 - 6:10 PM
	Business Meeting	6:10 - 6:30 PM
	Lecture	6:30 - 8:30 PM
	Q & A	8:30 - 8:45 PM

Speaker: Dr. Mohamed I Fayad

Lecture Topic: To Scan or Not to Scan? 3-D Imaging in Dentistry: A new era in diagnosis and treatment.

Lecture Outline: Diagnostic information directly influences clinical decisions. Accurate data lead to better treatment-planning decisions and potentially more predictable outcomes. CBCT is an emerging technology that can offer the clinician clinically relevant information that cannot be gathered from conventional radiography. The ability to assess an area of interest in 3 dimensions eliminates the superimposition that is inherent in conventional radiographic imaging. Cone-beam technology currently has numerous applications in the dental field. CBCT is having great impact and is changing dramatically case diagnosis, treatment planning and treatment outcomes in the daily practice. Conventional 2-dimensional radiography uses defined criteria for non-surgical and surgical outcome assessment. However, these radiographic healing criteria are not applicable for 3-dimensional radiography. This presentation will focus on how CBCT technology and a new imaging software e-VOLDX has provided clinicians with a different understanding of the dynamics of dental disease as well as healing. Based on the information provided from CBCT volumes, changes in treatment protocols and armamentarium will be presented.

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

1. Apply CBCT imaging in the following cases: diagnosis of pain, cracked teeth, vertical root fracture and resorptive defects.
2. Utilize the appropriate Guided Bone Regeneration (GBR) products as bone grafts and membranes in endo/perio and marginal defect cases when indicated.
3. Utilize 3-D information to establish the correct strategy to achieve a good prognosis well before the beginning of the treatment (non-surgical, surgical or single tooth implant).

About the Speaker: Dr. Fayad received his DDS in 1985 from the Collage of Dentistry, Cairo University, his Master's in Oral Sciences in 1994 from the University of Buffalo at NewYork, and his PhD in 1996 as a joint supervision between University of Buffalo at New York and Cairo University. He received his Endodontic training at the college of Dentistry at UIC.

Currently he is the director of endodontic research, and a clinical associate professor in the Endodontic department at College of Dentistry at UIC, dividing his time between teaching, research, intra-and extra-mural continuing education and private practice. He currently serves on the Scientific Advisory and Manuscript Review Panels of the Journal of Endodontics, and Evidence Based Endodontics Journal. He served on the AAE Research and Scientific Affairs Committee and co-chaired AAE/AAOMR committee drafting the joint position statement on CBCT (2015).

He has numerous publications and chapters in peer reviewed journals and textbooks (Pathways of the pulp, Contemporary surgical Endodontics, and Endodontics Principles and Practice). He is the co-editor of the CBCT text book (3-D Imaging in Endodontics: A new Era in diagnosis and treatment) by Springer (2016). He is a recipient of the Calvin D. Torneck Part-Time Educator Award for 2022 by the American Association of Endodontists. He is a Diplomate of the American Board of Endodontics and gave numerous presentations nationally and internationally.

Speaker Disclosure: In accordance with this policy, Dr. Fayad declares to have 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

Cancellation Policy, Meeting Fee, and Point of Contact: All fees for this meeting are inclusive in your Penick membership dues. There is no penalty for canceling. If you have any further questions, please contact Julian Moiseiwitsch at julian.rdm@verizon.net

There is no prerequisite for this course.

2 CE Hours will be awarded

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