



HANDS-ON TRAINING

7CE
Credits

DR MOSTAFA ANWAR, EGYPT

Bioceramics: From 3D obturation to root repair (splits, open apex, perforation & resorption)

 DATE: 15 Nov 2026 09:00 – 18:00	 LOCATION: Dubai UAE	 TARGET AUDIENCE: General Dentistry, Endodontics
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Abstract

The widespread adoption of bioceramic materials has significantly advanced contemporary endodontic practice by enhancing the quality of root canal obturation and expanding treatment options for complex endodontic conditions. Owing to their superior biocompatibility, bioactivity, dimensional stability, and sealing ability, bioceramic sealers and repair materials have become integral components of minimally invasive and biologically driven endodontic therapy.

This workshop provides an evidence-based overview of the clinical applications of bioceramic sealers and putty materials, with emphasis on their role in three-dimensional hydraulic obturation and root repair procedures. Participants will review the biological rationale, material properties, clinical indications, and current protocols for predictable use of bioceramic materials in routine and challenging endodontic cases. Special focus will be placed on the management of complex root canal anatomy, apical splits, root perforations, open apices, and internal resorption defects, together with techniques for the combined use of bioceramic sealers and putty to optimise treatment outcomes.

The workshop incorporates extensive hands-on training, enabling participants to perform three-dimensional hydraulic obturation, bioceramic obturation of apical splits, perforation repair, apical barrier formation in immature teeth, management of internal resorption, and clinical manipulation of bioceramic sealer and putty. Upon completion, participants will have acquired the scientific knowledge and practical skills necessary to integrate contemporary bioceramic protocols into daily endodontic practice, thereby improving the predictability of root canal obturation and biologically based root repair procedures.

Learning Objectives

- Understand the principles, indications, and clinical advantages of bioceramic sealers and putty materials in modern endodontics.
- Perform predictable 3D hydraulic obturation using bioceramic sealers in both routine and complex root canal anatomies.
- Manage apical splits and challenging root canal systems using appropriate bioceramic obturation techniques.
- Apply bioceramic putty effectively for the treatment of root perforations, open apices, and internal resorption defects.
- Select and execute appropriate techniques for combining bioceramic sealer and putty to optimise clinical outcomes.
- Develop hands-on proficiency in bioceramic obturation, apical plug placement, perforation repair, and internal resorption management.
- Integrate evidence-based bioceramic protocols into daily endodontic practice for predictable root canal filling and root repair.

REGISTRATION & PRICING

Agenda

09:00 – 11:00	Lecture - The BC Sealer Era • The idea behind the BioCeramic Filling Materials (BC Sealers). • Mastering 3D Hydraulic Obturation in regular and complex anatomy. • Handling Apical Splits and Complex root canal systems with BC Sealers. • Simple recipe for your daily practice.
11:00 – 11:30	Coffee Break
11:30 – 13:00	Lecture - The BC Putty Revolution • The evolution of BioCeramic Putty Materials and its clinical impact. • Different uses of BC Putty material & How to place it easily. • Management of Perforations, Open Apex, and Internal Resorption. • Techniques for effective BC Sealer/Putty combination.
13:00 – 14:00	Lunch
14:00 – 17:00	Hands on • 3D Hydraulic Obturation • Apical Splits BC Obturation • Application of BC Putty in Perforated Teeth. • BC apical plug in Open Apex. • Internal Resorption Management • Mixing BC Sealer & Putty

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