



HANDS-ON TRAINING

7CE
Credits

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Clinical application of magnesium membranes in shield technique and guided bone regeneration



DATE:

14 Nov 2026
10:30 - 18:00



LOCATION:

Dubai | UAE



TARGET AUDIENCE:

General Dentistry, Implant Dentistry ,
Periodontics, Oral and Maxillofacial Surgery

Abstract

The clinical success of regenerative procedures depends not only on biological principles but also on correct material handling and surgical execution. Magnesium membranes introduce a new regenerative paradigm by combining space maintenance with active biological interaction and controlled resorption, requiring a specific clinical protocol distinct from conventional collagen or nonresorbable barriers. This hands-on course is designed to provide participants with a step-by-step understanding of how to handle, shape, stabilize, and apply magnesium membranes in both the Shield technique and Guided Bone Regeneration procedures. Emphasis is placed on membrane positioning, fixation strategies, graft containment, and soft-tissue management to ensure predictable outcomes. Through guided practical exercises, participants will gain direct experience with magnesium membrane behaviour during hydration, adaptation to defect morphology, and integration within a regenerative workflow. The course aims to translate biological concepts into reproducible clinical actions, allowing clinicians to confidently incorporate magnesium membranes into daily practice.

Learning Objectives

- Understand the handling properties of magnesium membranes, including shaping and adaptation.
- Apply the Shield technique using a magnesium membrane for buccal bone preservation and augmentation.
- Perform Guided Bone Regeneration procedures with magnesium membranes in 3D bony defects.
- Select appropriate fixation and stabilization techniques to ensure membrane stability during healing.
- Avoid common clinical errors and manage intraoperative challenges specific to magnesium membranes.
- Integrate magnesium membranes into a standardized clinical workflow for predictable regenerative outcomes.

REGISTRATION & PRICING

Agenda

10:30 - 13:30	Lecture: Clinical Application of Magnesium Membranes in Shield Technique and Guided Bone Regeneration
13:30 - 14:30	Lunch
14:30 - 15:30	Fundamentals and Shield Technique • Clinical orientation and biological principles • Indications and case selection • Magnesium membrane handling and shaping (demo + hands-on) • Shield technique workflow and execution (demo + hands-on)
15:30 - 16:00	Coffee Break
16:00 - 17:00	Guided Bone Regeneration and Clinical Application • GBR principles using magnesium membranes • Management of horizontal and vertical defects (demo + hands-on) • Fixation and stabilization concepts • Soft-tissue closure and troubleshooting • Key takeaways and Q&A

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