HANDS-ON TRAINING

5CE
Credits

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ER:YAG 2940 nm laser: A multidisciplinary clinical approach

DATE:
12 Nov 2026
11:30 - 18:00

LOCATION:
Dubai | UAE

TARGET AUDIENCE:
Laser Dentistry

Abstract

The Er:YAG 2940 nm laser offers a versatile approach to a wide range of dental procedures involving both hard and soft tissues.

This lecture and hands-on workshop will provide an overview of the fundamental characteristics of the 2940 nm wavelength, laser–tissue interactions, ablation mechanisms, and essential safety considerations, with an emphasis on their clinical relevance.

Through clinical cases from the speakers' daily practice, the multidisciplinary applications of the LIGHTMED Sapphire Er:YAG laser will be presented, including cavity preparation, zirconia crown debonding, gingivectomy and gingivoplasty, implant uncovering, periodontal debridement, biofilm disruption, granulation tissue removal, and surgical exposure of unerupted permanent teeth.

The hands-on session will focus on device handling, parameter and tip selection, and practical exercises demonstrating selected clinical procedures.

The program aims to highlight the versatility, ergonomics, and practical integration of Er:YAG laser technology into everyday dental practice.

Learning Objectives

- Understand the key characteristics of theEr:YAG 2940 nm wavelength and its interaction with dental tissues.
- Recognize the indications and clinicalapplications of Er:YAG lasers in different dental disciplines.
- Understand the principles of parameterselection, tip selection, and laser safety.
- Evaluate clinical techniques throughpractical case presentations.
- Gain hands-on experience with the LIGHTMEDSapphire Er:YAG laser system.

REGISTRATION & PRICING

Agenda

11:30 – 13:30	Part I – Er:YAG 2940 nm: Fundamentals and Clinical Principles
13:30 – 14:30	Lunch Break
14:30 – 16:00	Part II – Multidisciplinary Clinical Applications
16:00 – 16:30	Break
16:30 – 18:00	Part III – Hands-On Workshop

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