



HANDS-ON TRAINING

7CE
Credits

PROF IVAN DARBY, AUSTRALIA

Regenerative strategies around implants: Principles, materials and hands-on techniques



DATE:

13 Nov 2026
09:00 – 18:00



LOCATION:

Dubai | UAE



TARGET AUDIENCE:

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

Abstract

Dental implants are now a routine part of modern dental practice. However, successful implant therapy extends far beyond implant placement alone. Following tooth extraction, significant dimensional changes of the alveolar ridge occur, particularly in the aesthetic zone, with ridge width reductions of up to 40%. Even with immediate implant placement, careful management of post-extraction remodelling is essential to preserve bone volume and achieve predictable functional and aesthetic outcomes.

Guided Bone Regeneration (GBR) is a well-established, evidence-based technique for reconstructing and preserving alveolar bone, providing the foundation for long-term implant success. This course explores the biological principles of GBR, clinical indications, surgical techniques, materials, and expected outcomes. During the hands-on workshop, participants will gain practical experience in GBR procedures for both delayed and immediate implant placement, including bone grafting and soft tissue management, to build confidence in applying these techniques in everyday clinical practice.

Learning Objectives

By the end of this course, participants will be able to:

- Explain the biological principles and clinical indications of Guided Bone Regeneration (GBR) in implant dentistry.
- Describe the healing processes of bone grafts and soft tissues following regenerative procedures.
- Identify the available grafting materials and barrier membranes, and discuss their clinical applications.
- Demonstrate the principles and techniques for the effective use of GBR materials during implant surgery.
- Demonstrate the clinical skills required for bone graft placement in immediate and delayed implant cases.
- Discuss soft tissue management techniques to optimise functional and aesthetic outcomes around dental implants.

REGISTRATION & PRICING

Agenda

09:00 – 10:45

Lectures

Biological Principles of Bone Regeneration

- Biology of bone healing
- Defect types and regenerative potential
- Indications and limitations
- Principles of soft tissue management

Materials in Regeneration

- Xenografts vs allografts vs synthetics
- Membrane principles
- Handling considerations
- Evidence base
- Clinical decision making

10:45 – 11:15

Coffee Break

11:15 – 13:00

Lectures

- GBR Around Implants
- Dehiscence defects
- Fenestrations
- Horizontal bone deficiencies
- Immediate vs. delayed implant placement
- Case selection
- Complications & their management
- Case discussion

13:00 – 14:00

Lunch

14:00 – 16:45

Hands On

Participants will practise regenerative procedures around pre-positioned implant sites using simulated defects and soft tissue closure techniques.

- Flap design and access for guided bone regeneration around implants
- Bone graft placement and contour augmentation techniques
- Membrane adaptation, trimming and stabilisation
- Soft tissue management
- Suturing and wound closure

16:45 – 17:00

Discussion and Q & A

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