Total-Core® ACADEMY

Two-Days Advanced Course in

Guided Bone Regeneration (GBR)

Improving the predictability of alveolar ridge augmentation: avoiding common pitfalls

10.5 CME points

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2025 DUBAI

01 Saturday, 02 Sunday, Nov.
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Abstract:

Regeneration of bone deficiencies requires:

1) proper diagnosis,
2) risk assessment to determine the likelihood of success,
3) the selection of appropriate techniques, materials, and protocols,
4) careful surgical execution, and
5) follow-up and management of complications.

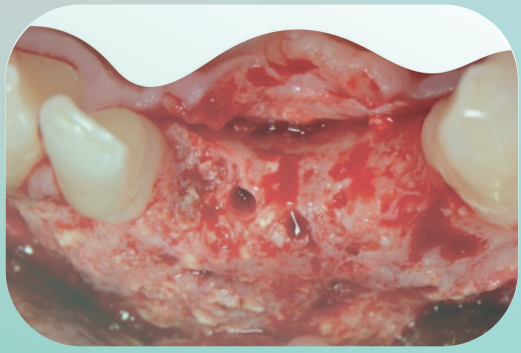
Although many techniques, materials, and protocols are available, emphasis will be placed on those that are evidence-based, have the highest potential for achieving desired outcomes, are associated with lower patient morbidity, and have a lower risk of complications. The choice of bone graft material and the utility of biologics (recombinant platelet-derived growth factor, rhPDGF, and platelet-rich fibrin, PRF) will be discussed. Bone augmentation often results in a loss of vestibular depth and may require vestibuloplasty or soft tissue augmentation.

This presentation will start with an explanation of the concepts and theoretical aspects, followed by a description of the step-by-step protocol. The hands-on part will begin with a demonstration and then have participants perform each procedure.

Educational objectives:

By the end of this program, participants will acquire practical experience with:

- Risk Assessment and Classification
- Material Selection: autogenous Bone vs biomaterial
- Rationale for the application of membranes
- The response to various membranes
- Flap design considerations in various oral sites
- Bone and Graft Stabilization
- Vestibular and Soft Tissue Management: Application of Tissue Substitutes
- Complications: Recognition and Management
- Effectively assess risks and classify bone deficiencies.
- Select appropriate graft materials for successful outcomes.
- Execute flap management and stabilization techniques.
- Recognize and manage potential complications in bone regeneration.



Day 1

(08:30 – 09:00) **1. Registration and Welcome** (30 min.)

(09:00 – 10:30) **2. Morning Lecture Session** (90 min.)

- Risk Assessment and Classification
- Material Selection: Autogenous Bone vs Biomaterials
- Rationale for the application of membranes (Resorbable vs Non-resorbable)
- Biologics in regenerative therapy

10:30 – 10:45 *Coffee Break* (15 min.)

(10:45 – 12:15) **3. Main Lecture Session** (90 min.)

- Flap management in the mandible.
- Flap management in the maxilla.

12:15 – 13:30 *Lunch break* (75 min.)

(13:30 – 15:00) **4. Afternoon Lecture Session** (90 min.)

- Immediate Implant vs delayed implant placement and Augmentation of Damaged Alveolar Bone

15:00 – 15:15 *Coffee Break* (15 min.)

(15:15 – 17:30) **5. Hands-on Workshop:** (135 min.)

Demonstration: Guided Bone Regeneration using Tentpole Techniques
Participants Practice:

- Flap management
- Autogenous bone harvesting
- Graft and Membrane fixation
- Suture techniques

17:30 – 18:00 *Q&A* (30 min.)

Day 2

(09:00 – 10:30) **1. Lecture:** (90 min.)

- Application of Vestibular Tunneling for Alveolar Bone Augmentation
- Ridge Augmentation vs Contour Augmentation
- Implant Reconstruction of Atrophic Full Arch Cases

10:30 – 10:45 *Coffee Break* (15 min.)

(10:45 – 12:15) **2. Complications:** (90 min.)

- Implant-related Complications
- Implications of Bone Augmentation on Vestibular Depth
- Vestibular and Soft Tissue Management: Application of Tissue Substitutes

12:15 – 13:30 *Lunch break* (75 min.)

(13:30 – 15:30) **3. Hands-On Workshop** (120 min.)

- Vestibular Tunneling and Bone Augmentation
- Vestibuloplasty and Soft Tissue Management Techniques

15:30 – 15:45 *Coffee Break* (15 min.)

15:45 – 17:00 *Q&A* (75 min.)

17:00 – 17:30 *Certificate award* (30 min.)

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