Modular Bone Augmentation (MBA): evidence-based concepts & new tools for Guided Bone Regeneration



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Modular Bone Augmentation (MBA Protocol)

Private practice: Periodontology & implant surgery

Patients with atrophic alveolar bone have a variety of different presentations, including vertical versus horizontal atrophy, anatomic features such as flat vs sloped defect walls or concavities, various bone density (eg cortical vs cancellous bone). Each of these features can affect the efficacy of bone augmentation, either in a favorable or unfavorable manner. The oral location (posterior vs anterior maxilla, post vs anterior mandible) requires special considerations. Therefore, the approach utilized needs to thoroughly analyze and classify the site and patient characteristics in order to select an appropriate technique, material and protocol. Another consideration is the potential of complications for the selected protocol and a risk assessment to determine the likelihood of encountering negative outcomes, based on patient features. Modular Bone Augmentation (MBA) refers to an approach, which is based on the convergence of several components required for successful bone regeneration. MBA will employ different components based on requirements of individual patient and site. The components of MBA include 1) Scaffold, 2) osteogenic cells, 3) osteogenic signals, 4) blood supply, 5) wound stabilization and 6) Primary coverage. The application of MBA to regeneration of alveolar bone and mucosa in will increase the likelihood of successful outcome and reduces the potential for complications.

EDUCATIONAL OBJECTIVES

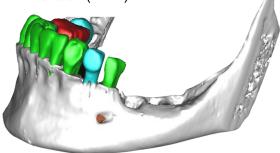
- Classification of alveolar ridge deficiencies
- Risk Assessment: Patient and site characteristics
- Management of patient/site risks
- Evidence on efficacy of GBR and other techniques
- Biology of wound healing of GBR
- Material Selection:
 - Autogenous: methods &location of harvesting
 - Xenograft: is sintering temperature important?
 - Allograft (freeze dried vs solvent dehydrated)
 - Allograft (mineralized vs demineralized)
 - Alloplast (HA, TCP, biphasic)
- Platelet Rich Fibrin (PRF):
 - biology,
 - protocol,
 - liquid PRF, solid matrix PRF,
 - applications
- Membrane selection:
- Resorbable vs non-resorbable
- Cross-linked vs native collagen
- Fixation screw system:
- MODfixUNIfix
- Tenting screws
- Membrane fixation
- Piezosurgery
- Flap design: achieving low-tension flap
- Suture techniques: to prevent graft exposure
- Graft and membrane stabilization
- Decortication
- Soft tissue management:
- connective tissue graft;
- Free gingival graft
- Xenogenic collagen matrix, allograft
- Fibrin Immobilization Vestibular Extention (FIVE)
- Complications

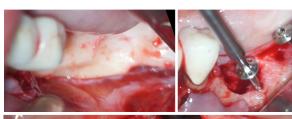
Pre- and post-operative Care:

- Antibiotics & Antiseptics
- Anti-inflammatory agents
- Supplements

Live Interactive Hands-on Workshop simulated Excercises

- MBA Guided bone regeneration
- Flap design:
- Periosteal release
- Lingual flap management
- Vertical releasing incision
- Autogenous bone harvesting
- Membrane fixation
- Fixation system:
- MODfixUNIfix
- Tenting screws
- Membrane fixation
- Suture techniques: to prevent graft exposure
- Graft and membrane stabilization
- Decortication
- Soft tissue management:
- Biomaterial use: xenograft & allograft
- Fibrin/collagen Immobilization Vestibular Extension (FIVE)







EDUCATIONAL FORMAT - online course

This is a course with blended learning. Some lectures are available online and can be accessed on-demand.

There are also live online lectures and hands-on workshops with opportunity to directly interact with the faculty and receive feedback on the workshop simulated excercises. All materials for hands-on workshops will be shipped to participants to allow for completion of workshops.

- -Recorded lectures: with on-demand access
- -Live interactive hands-on workshops

Schedule

Online lecutres accessed on-demand: 4 hours **Live lecture:** May 28, 8:00-11:00 AM (Los Angeles time) **Live hands-on workshop:** May 29, 8:00-11:00 AM (PST)

CE units 12 hours

Tuition: \$1295

Registration includes:

On-demand access to 6 hours of online course lectures Live lecture (3 hrs) and live hands-on workshop (3 hrs) 2-way shipping of all course material

- -Simulation model
- -Instruments and workshop material

Credit card authorization for \$1500 will be obtained but no charges will be submitted. If instruments are received back within 14 days after course, no additional charges will be made. If the instruments are not received within 14 days after the workshop, \$1500 will be charged.

Cancellation policy:

Prior to shipment of course material, tuition refund is subject to \$50 processing fee.

After shipment of course material, tuition refund is subject to \$200 processing fee, if course material are received witthin 14 days.

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