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Online on-demand course

This is an on-demand online course, which includes:
 -Recorded lectures
 -Recorded hands-on workshop instructions
 -Recorded live surgery

Questions can be directed to the instructor:

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Management of Atrophic Anterior Maxilla

The atrophic anterior maxilla has unique anatomic and structural features, the most significant being that it is considered “the esthetic zone”. In that regard, the alveolar ridge augmentation aims to create adequate bone volume for the implant, as well as for creating appropriate tissue contour for optimal esthetic results. There is very little room for error in establishing proper form, function and esthetics of the restoration. Alveolar ridge augmentation in the anterior maxilla requires specific considerations, including, flap design, mobilization, and adaptation. The thin mucosa also usually requires mucosal grafting and/or vestibuloplasty. Implant therapy in this region also requires specific consideration. Modular Bone Augmentation (MBA) 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 application of MBA to regeneration of alveolar bone and mucosa in the anterior maxilla will increase the likelihood of successful outcome and reduces complications.

EDUCATIONAL OBJECTIVES

- Classification of alveolar ridge deficiencies
- Risk Assessment: Patient and site characteristics
- Management of patient/site risks
- Material Selection:
 - Autogenous: methods & location of harvesting
 - Xenograft: is sintering temperature important?
 - Alloplast (HA, TCP, biphasic);
 - Allograft (Processing)
- Platelet Rich Fibrin (PRF): biology, protocol, liquid PRF, solid matrix PRF, applications
- Membrane selection:
 - Resorbable vs non-resorbable
 - Cross-linked vs native collagen
- Fixation system:
 - MODfixUNIfix
 - Tenting screws
 - Membrane fixation
- Piezosurgery
- Flap design: achieving tension-free flap
- Suture techniques: to prevent graft exposure
- Graft and membrane stabilization
- Decortication
- Soft tissue management: VISTA
 - connective tissue graft; free gingival graft
 - Vestibuloplasty
- Complications

Recorded Hands-on Workshop Exercises

- GBR in anterior maxilla
- Flap design
- Piezosurgery
- Platelet Rich Fibrin (PRF): preparation liquid PRF, solid matrix PRF
- Membrane fixation
- Fixation system:
 - MODfixUNIfix
 - Tenting screws
 - Membrane fixation
- Suture techniques: to prevent graft exposure
- Graft and membrane stabilization
- Decortication
- Soft tissue management:
 - VISTA

Recorded Live surgery demonstration

- VISTA tunneling
- GBR: anterior maxilla
- Platelet Rich Fibrin preparation

