



In-person or remote online

MANAGEMENT OF ATROPHIC POSTERIOR MAXILLA



REGENERATIVE THERAPIES: SINUS AUGMENTATION, GBR

NON-REGENERATIVE THERAPIES: SHORT IMPLANTS, TILTED IMPLANTS

Lecture • Hands-on Workshop • Live Surgery

On-Demand

Speakers



Homa H. Zadeh, DDS, PhD

Dr. Zadeh is a diplomate of the American Board of Periodontology and fellow, American Academy of Esthetic Dentistry. He received his doctor of dental surgery degree from the University of Southern California (USC) Ostrow School of Dentistry. He has also completed advanced clinical education in Periodontology and earned a PhD degree in immunology from the University of Connecticut, Schools of dental medicine and medicine. Dr Zadeh maintains a private practice limited to periodontology and implant surgery in Southern California.



Stephen S. Wallace, DDS

Dr Wallace serves as clinical professor at New York University (NYU) and Columbia University with decades of research and education in post-doctoral periodontology programs. Dr Wallace earned his dental degree, as well as completed post-doctoral education in periodontology at Boston University Goldman School of Dentistry. Dr Wallace is universally recognized as an expert in maxillary sinus augmentation because of his decades of research and education in this field. Dr Wallace was the recipient of Master Clinician Award (2013) from the American Academy of Periodontology (AAP). He has been in private practice in periodontology in Waterbury, Connecticut.



Pascal Valentini, DDS

Pascal Valentini is Adjunct Associate Professor of Implant Dentistry at Loma Linda University. Dr Valentini has earned his D.D.S. degree from the University of Paris VII and certificate of Oral Implantology and later served as Clinical Assistant professor in the Department of Oral Implantology. Dr. Valentini has served as president of the European Academy of Osseointegration (EAO). He currently serves as Director of the European Post-Graduate Oral Implantology Program at the University of Corsica, in Corte, France, and for the University of Liege in Belgium. He also engages in private practice focused on implant and regenerative surgery in Paris.

Course Description

The atrophic posterior maxilla has unique anatomic and structural features, including proximity to the maxillary sinus and low-density bone. The atrophic ridge can either be managed through regenerative or non-regenerative approaches. Sinus augmentation and alveolar ridge augmentation are examples of regenerative therapies. Several factors have to be considered in order to decide whether sinus or ridge augmentation or both should be employed for optimal bone volume and contour. These include: 1) full vs partially-edentulous patient, 2) position of the edentulous alveolar crest relative to the bone level on adjacent teeth, and 3) esthetic requirement. Flap management in the posterior maxilla requires specific considerations and provides unique opportunities to protect the graft and at some point, to augment the mucosa and extend the vestibule. Implant therapy in this region may also be managed through non-regenerative approaches, such as application of short or tilted implants. This course provides a comprehensive approach for managing patients with atrophic posterior maxilla.

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
 - Applications
 - Forms: liquid PRF, solid matrix PRF
- Membrane selection:
 - Resorbable vs non-resorbable
 - Cross-linked vs native collagen
- Fixation system:
 - MODfix/UNIfix
 - Tenting screws
 - Membrane fixation

• Antrostomy

- Lateral sinus augmentation
- Antrostomy design
 - Instrumentation and devices
 - Piezosurgery
 - Rotary instruments
- Transcrestal sinus augmentation
 - Technique and instrumentation

• Flap design:

- Flap design for GBR and sinus augmentation
- Achieving tension-free flap
- Management of failed sites with scarred periosteum

• Suture material & techniques:

- Prevention of graft exposure

• Graft and membrane stabilization

• Decortication

• Soft tissue management:

- Timing & staging: before or after GBR
- Material:
 - Native xenogenic Collagen (Mucograft)
 - Form-stable xenogenic Collagen (FibroGide)
 - Connective tissue graft
 - Free gingival graft
- Vestibuloplasty
 - FIVE (Fibrin Immobilization Vestibular Extension)

• Complications:

• Prevention and management

• Pre- and post-operative Care:

- Antibiotics and antiseptics
- Analgesics
- Anti-inflammatory agents
- Nutritional and herbal supplements

Hands-on Workshop Simulated Exercises

Live Surgery Demo

- Flap design:
 - GBR in posterior maxilla
 - Flap design for lateral window antrostomy
 - Flap design for crestal osteotomy
- Piezosurgery
- Platelet Rich Fibrin (PRF):
 - Preparation
 - Liquid PRF, solid matrix PRF
- Membrane fixation
- Fixation system:
 - MODfixUNifix
 - Tenting screws
 - Membrane fixation
- Lateral vs transcrestal sinus augmentation
- Sinus antrostomy design
- Suture techniques: to prevent graft exposure
- Graft and membrane stabilization
- Decortication
- Soft tissue management
- Vestibuloplasty

- Lateral window sinus augmentation
- GBR: posterior maxilla
- Platelet Rich Fibrin (PRF):
 - Preparation
 - Liquid PRF, solid matrix PRF

Educational Format

This course offers flexible educational format to accommodate all clinicians' needs and interests.

Participation may take place either:

- Lecture only or lecture plus hands-on workshops (items will be shipped to participants)

Regardless of mode of participation, online resources are available to supplement live lecture material. This information is accessible on an on-demand basis.

Tuition

CE units

- \$1495 Remote Learning: Lecture + Workshop
- \$995 Remote Learning: Lectures Only

Tuition for remote workshops includes two-way shipment of all supplies to allow participants to complete the workshops in their own facility.

- 16 hours of on-demand content (includes: lecture, hands-on workshop, and live surgery demonstration)