

Treatment of Fully Edentulous or Terminal Dentition: Immediate Function



Fri-Sat October 22-23

Lecture • Hands-on Workshop • Live Surgery *In-person* • *Remote online*

Homa Zadeh, DDS, PhD Lyndon Cooper, DDS, PhD



Homa H. Zadeh, DDS, PhD

Dr. Zadeh is a diplomate of the American Board of Periodontology and fellow of the 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 School of Medicine and School of Dental Medicine. Dr Zadeh maintains a private practice limited to periodontology and implant surgery in Southern California.

Lyndon F. Cooper, DDS, PhD

Dr Cooper serves as the Associate Dean for Research and Chair of the Department of Oral Biology, University of Illinois Chicago (UIC). He formerly served as Program Director of Advanced Prosthodontics and Stallings Distinguished Professor at the University of North Carolina. He is a diplomate of the American Board of Prosthodontics (ACP) and a former ACP President, and he received the ACP's 2004 Clinician/Researcher Award. He also was named the recipient of the 2009 International Association for Dental Research Distinguished Scientist Award for Prosthodontics and Implantology.

After earning his DDS from New York University, Dr. Cooper went on to earn a PhD from the University of Rochester, New York, and a Certificate in Prosthodontics from the Eastman Dental Center in Rochester.

Course Description

Treatment of edentulous patients, or dentate patients with terminal dentition to be transitioned to edentulism, poses many challenges, including anatomic proximity to critical oral structures (maxillary sinus, nasal floor, mandibular canal), limited bone volume, inappropriate bone topography and soft tissue deficiency. A variety of surgical and prosthetic solutions need to be considered. The first question is whether remaining teeth have a reasonable prognosis and can be saved. If not, various replacement options can be considered. It is necessary to determine whether utilization of existing bone along with osseous resection to harmonize the bone crest is possible. This option is often utilized for immediate functional loading. In other cases, regenerative solutions such as sinus augmentation and alveolar ridge augmentation will be necessary. Prosthetic solutions, such as fixed and removable, have to be considered. This course explores the therapeutic options for fully edentulous patients, focusing on those with compromised bone.

Educational format

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

Participation may take place either:

- In-person or remotely (held over Zoom)
- Live or on-demand
- Lecture only or lecture plus hands-on workshops

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

Educational Objectives

- **Decision tree for the treatment of terminal dentition:** Saving teeth vs. extraction
- **Prosthetic aesthetics:**
 - Smile design
 - Extraoral and intraoral landmarks
 - Fundamentals of full-arch implant prosthetics.
- **Treatment planning for full-arch prosthesis:**
 - Considerations for maxilla vs. mandible
 - Opposing arch considerations
 - Patient preferences and expectations
- **Loading considerations:**
 - Primary stability, biologic basis
 - Immediate vs. delayed restoration
- **Implant planning:**
 - Implant selection, position, numbers and orientation
- **Digital workflow:**
 - Prosthetic and surgical planning
 - Guided surgery
 - Prosthetic design
 - Immediate-load prosthesis
 - Definitive prosthesis
- **Prosthetic solutions:** Fixed vs. removable
- **Prosthetic design:**
 - Cantilever length
 - Prosthetic space requirement
 - Abutment selection
 - Material selection

- Surgical guide
 - Digital vs. analogue
 - Surgical and prosthetic positions
- **Surgical protocol:**
 - Flap design and management
 - Suturing technique under fixed or removable prosthesis
 - Osseous resection guidelines:
 - Bone crest correction
 - Prosthetic space creation
 - Smile line consideration
 - Consideration for prosthesis contour
- Soft tissue management
 - Mucosal phenotype (biotype) conversion therapy
 - Vestibular depth extension
 - Contour augmentation
 - Anatomic considerations
 - Surgical anatomy
 - Maxilla vs. mandible
- **Steps for fabricating a conversion prosthesis.**
- **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

- Implant site planning in virtual planning software
- Surgical guide fabrication
- Osseous resection
- Implant surgical placement:
 - Tilted and axial positioning
- Flap management for full-arch reconstruction
- Conversion of removable to fixed prosthesis for immediate functional loading

Live Surgery Demo

- Implant site planning in virtual planning software
- Guided surgery to place four to six implants
- Osseous resection
- Implant surgical placement: tilted and axial positioning
- Flap management for full-arch reconstruction
- Conversion of removable to fixed prosthesis for immediate functional loading

Schedule for Live Session

Friday October 22, 2021

7:00 AM to 8:00 AM Registration & Breakfast
 8:00 AM to 10:00 AM Lecture
 10:00 AM to 10:30 AM Break
 10:30 AM to 12:30 PM Lecture
 12:30 PM to 1:30 PM Lunch
 1:30 PM to 5:00 PM Hands-On Workshop

Saturday October 23, 2021

7:00 AM to 8:00 AM Breakfast
 8:00 AM to 10:00 AM Lecture
 10:00 AM to 10:30 AM Break
 10:30 AM to 12:30 PM Lecture
 12:30 PM to 1:30 PM Lunch
 1:30 PM to 5:00 PM Live Surgery Demo

- 16 hours of live lecture + hands-on workshop and live surgery demonstration
- 4 hours of on-demand online education

- \$1995 Live In-Person: Lecture + Workshop
- \$1495 Remote Learning: Lecture + Workshop
- \$995 Remote Learning: Lectures Only