Full-Arch Implant Reconstruction

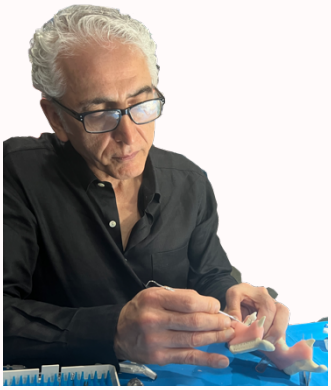
Immediate Functional Loading

Homa H. Zadeh Fernando Rojas-Vizcaya

July 29-30, 2022

In-Person & Remote Live & on-demand

Lecture • Hands-on Simulated Workshop • Live Surgery demo



Homa H. Zadeh, DDS, PhD

Dr. Zadeh is a diplomate of the American Board of Periodontology. He received his doctor of dental surgery degree from the University of Southern California (USC) Ostrow School of Dentistry, where he served as full time faculty for 26 years. 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 has authored nearly 100 publications in peer-reviewed journals and book chapters. Dr Zadeh maintains a private practice limited to periodontology and implant surgery in Southern California.

Dr. Rojas is Adjunct Assistant Professor in the Department of Prosthodontics at the University of North Carolina in Chapel Hill, NC. He is the Founder and Director of the Mediterranean Prosthodontic Institute and maintains a private practice limited to dental implant surgery and prosthodontics in Castellon, Spain.

Dr. Rojas has innovated some of the most anatomically-realistic models available through his company (Bone Models) and has designed educationally-valuable simulated exercises, which he has conducted in dozens of countries around the world to clinicians.

Fernando Rojas Vizcaya, DDS, MS

Dr. Rojas received his DDS degree at the University Javeriana School of Dentistry in Bogota, Colombia. He received a Doctorate in Buccal Surgery and his University Specialty Degrees in both; Oral Medicine and Implant Surgery at the University Complutense in Madrid. He received his Certificate training in Oral Surgery at Gregorio Marañon Hospital in Madrid, Spain.

Dr. Rojas completed his post-doctoral specialty degree in Prosthodontics along with a Master of Sciences Degree in Prosthodontics, and a Fellowship in Oral Implantology at the University of North Carolina in Chapel Hill, USA.

He is a Diplomate and Mastership of the ICOI-IPS, and he has the homologation by the European Jury for Implantology and Oral Rehabilitation.

His major research interest includes esthetic management in complex dental implant cases in immediate placement and immediate loading protocols. He has published extensively on these topics in peer-reviewed journals.

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 save. 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 Objectives

- **Decision tree for the treatment of terminal dentition:**
  - Saving teeth vs extraction
- **Prosthetic esthetics:**
  - Smile design
  - Extra-oral and intra-oral 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 response to load
  - Immediate vs delayed restoration
- **Implant planning:**
  - Implant selection, position, number & orientation
- **Digital workflow:**
  - Virtual Implant Patient (VIP)
  - 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 around prosthesis
  - **Osseous resection guidelines:**
    - Bone crest correction
    - Prosthetic space creation
    - Smile line consideration
    - Considerations 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**
  - Conversion of existing prosthesis
  - Fabrication of new 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 4 to 6 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

Educational Format

This course offers 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.

Tuition

- $1995 Live in-Person: Lecture + Workshop
- $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. If course material are not returned within 2 weeks, $2000 will be charged to the participant.

CE UNITS

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

Schedule for live sessions (July 29-30, 2022)

Friday July 29

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

Saturday July 30

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