

## **Lecture 1 : Atraumatic Dental Extraction Surgery**

- Surgical anatomy of the jaws
- Surgical instruments and operative field preparation
- Piezoelectric Oral Surgery: applications and protocols
- Incisions and sutures
- Wisdom teeth lower and upper included
- Other teeth included
- Germectomies
- Surgical - orthodontic recovery
- Supernumerary teeth
- At-risk patients
- Use of drugs & complications

## **Lecture 2 : First Approaches to Implant Surgery**

- Principles of Osseointegration: physiology and pathology of bone
- Drawing of surgical flaps and suture techniques
- Surgical instruments and preparation of the operative field
- Ergonomics in the operating room
- The importance of a correct anesthesia technique in implantology, Intravenous sedation in dentistry
- Protocols for the documentation of the implant patient's clinical case
- Implant site preparation and primary stability
- Insertion of prosthetically guided implants Immediate post-extractive implants: clinical indications and protocols
- Implants in areas of high aesthetic value
- Management of bone defects and peri-implant soft tissues
- Prosthetic management: from immediate loading to finalization of the case
- Pre and post surgical pharmacology
- Management of intra and post operative complications

## **Lecture 3 : Minimally Invasive Technique for the Rehabilitation of the Atrophic Jaws with a Reduced Number of Implants**

- Surgical anatomy of the jaws
- X-ray radiological diagnostics in implantology: from the endoral to the cone beam
- Principles of osteointegration: physiology and pathology of the edentulism
- Drawing of surgical flaps and suture techniques
- Preparation of the implant site and primary stability
- Insertion of prosthetically guided implant & biomechanical of tilted implants
- Atrophic mandible rehabilitation without bone graft using tilted implants
- Alternatives to the maxillary sinus lift: tilted implants
- Prosthetic management: from immediate loading to finalization of the case
- Pre and post surgical pharmacology
- Management of intra and post operative complications & implant maintenance protocols

## **Lecture 4 : Minimally Invasive Approach for Anterior Extraction Sockets**

- Immediate versus delayed tooth replacement therapy
- Challenges with immediate implant placement
- Classification of extraction sockets
- 3d spatial implant placement within the anterior extraction socket
- Connective tissue grafts around implants and edentulous ridges
- Hard tissue grafting of the gap cement versus screw retained provisional and definitive restorations