



University Diploma in Oral Implantology (30 ECTS)

This Postgraduate is divided into 4 obligatory modules, four days each, that will be held in Paris, and one exam module to be presented at the University delivering the Diploma.

One Year Program Leads to University Diploma in Oral Implantology – 30 Ects

“From simple single tooth to complex requirements of edentulous patient and aesthetic assess.”

Module 1 **Fundamental Knowledge**

Principles and basis of oral implants

- Overview on the development of dental implantology
- Anatomy and physiology
- Risk factors in implant dentistry
- Case analysis and planification
- Periodontal aspects in implantology: implants in PCP and soft tissues evaluation
- Wound healing of bone, soft tissues and defects
- Patient evaluation: anamnesis.
- Absolute and relative contra-indications
- Pharmacology
- Conventional Tooth rehabilitation (endodontics/periodontics) versus extraction and Implant placement

Oral diagnosis

- Indications, classifications and guidelines
- Oral hygiene and pre-implant treatment (periodontal / tooth rehabilitation)
- Static and Dynamic Occlusion: function analysis (bite, TMJ...)
- Picture diagnostics (X-rays and CT)
- 3-D bone analysis (standard, CT supported, digital surgical)
- Wax-up/set-up, involvement of dental laboratory

Detailed guidelines for case presentation

- Intra-Oral Photography Guidelines
- Photographic documentation and written descriptions of clinical cases will be submitted online, using a preformatted template file for assessment purposes.

Workshop 1 :

- LIVE SURGERY
- Hands-on CT and Radiographic analysis
- Hands-on Software and planning Guided Surgery (simple case planification)

Module 2 Surgical and Prosthetic requirements

Preparation to the surgery

- Required instruments and equipment
- Hygiene regulations and their implementation
- Surgical room, patient and team preparation
- Anesthetic and medications

Implant systems

- Implant design (macrostructure)
- Implant surfaces (microstructure)
- Dental implant abutment, indexed / non-indexed abutment
- Prosthetic components
- International Market of implant Systems

Standard surgical procedures (I)

- Flap design, transfer of implant position, flapless surgery
- Implant placement protocol
- Alternative tools for the implant site preparation
- Suturing techniques

Methods of scientific work (I)

- Literature research via electronic media
- Introduction for the Preparation of Master's thesis

Workshop 2

- LIVE SURGERY
- Hands-on Flap and Sutures
- Hands-on Implant Placement Protocol

Module 3 Variant Surgical procedures and guided surgery

Standard surgical procedures (II)

- Extraction Immediate Implantation
- Healing periods, timing (early, late, immediate treatment records)
- Soft tissue management around Implant
- Immediate Loading or Temporization
- Limited GBR
- Membranes (Resorbable Vs non-Resorbable)

Prosthetically driven and Guided Surgery

- From wax-up to prosthetic conventional guide
- Digital Work-flow from 1st Drill to full guided surgery.

Aftercare (post-operative treatment)

- Pre and post Medication
- Documentation and recall
- Maintenance
- Statistics: success and survival rates, failure rates

Methods of scientific work (II)

- Assessment of scientific theory using evidence classes
- Data collection, statistics, biometrics
- Construction of scientific studies

Workshop 3

- LIVE SURGERY
- Hands-on Implant Placement and Soft Tissue Management around implant
- Hands-on Extraction Immediate Implantation

Module 4 Prosthetic restorations, Surgical complications and follow-up

Prosthetic Work-flow

- Temporary restorations
- Techniques for the forming of emergence profiles
- Prosthetic workflow with conventional and digital tools
- Taking of impressions / registration / fabrication of models / articulator
- Choice of abutment and individualization. Abutment transfer model-mouth
- Sealed Vs Screw retained protheses
- Occlusal anatomy and transfer of load
- Dental laboratory workflow and solution analysis

Management of complications

- Immediate and delayed post-operative complications
- Mucositis and peri-implantitis: diagnosis
- Non surgical and surgical treatments
- Laser therapy for the management of complications

Workshop 4

- LIVE SURGERY
- Hand- on Impression Techniques : Open Vs Closed Tray
- Hands-on Digital Work-Flow (STL matching and plannifictaion for guided surgery)
- Hands-on Guided surgery on models