



University Diploma in Advanced Aesthetic & Restorative Dentistry

*International Postgraduate Diploma from University of Genoa - Italy
(30 ECTS)*

The Diploma of the University of Genoa, Italy is a one-year international training program designed to offer comprehensive training in all aspects of esthetic and contemporary restorative dentistry. Postgraduate Diploma shall define a level of competence that is consistent with an experienced clinician. The goal of the curriculum is to provide dentists with a scientifically-based rationale for all diagnostic, treatment planning, and patient care decisions.

This program is divided into 6 obligatory modules, 2 days each, that will be held in Paris, and 1 exam module to be presented at the University of Genoa in Italy.

Module 1

Composite selection

- What are the main differences between the categories of resin composites: macrofilled, microfine, hybrid, flowable and nanocomposites?
- Do we need them all in our practice?
- Latest innovations in restorative dentistry
- Self-adherent resin composites and low shrinkage materials.

Dentin-enamel adhesives

- What are the main differences between the total Etch v/s self-etch technique?
- What are the main bonding systems available?
- How to achieve a reliable bonding procedure?

Light curing units and procedures

- The different types of light curing units and techniques used in restorative procedures.
- Criteria for selecting a light curing device

- Maintenance and replacement of light curing devices

Pulp protection: When and how?

- Indications and biological fundamentals of pulp protection.
- Properties and handling of the different materials used in pulp capping
- Ca(OH)₂, MTA, Biodentine
- Glass-ionomers in direct restorations: categories and uses.

Workshop 1:

- Hands-on and literature review 1

Module 2

Teeth discolorations and their treatments

- Diagnosis, etiology and treatment of teeth discolorations.
- Products, materials and techniques used in bleaching.
- Non-Vital tooth bleaching.
- Vital teeth bleaching: home bleaching vs in Office teeth bleaching.
- The use of halogen and plasma lights in teeth bleaching.

Aesthetic anterior restorations: Class III, IV and V

- How to achieve optimal shade selection in cosmetic dentistry?
- Cavity preparation, beveling and caries removal
- Filling according to the layering technique concept
- Etiology of cervical lesions, materials and techniques for class V restorations.
- Finishing and polishing of anterior restorations: instruments and techniques.

Direct Posterior restorations

- How to obtain an adequate contact point? The different matrix systems
- Principle of cavity preparations and filling technique of posterior teeth
- The adequate instruments to be used in posterior restorations
- Finishing and polishing of posterior restorations

Workshop 2

- Hands-on and literature review 2

Module 3

Advanced Aesthetic treatments

- Diastema closure using direct restorative techniques
- Use of color modifiers in different clinical situations
- Restoration of endodontically treated teeth
- When and how to use Fiber posts?

New concepts in adhesive dentistry

- Minimal Invasive Dentistry (MID): Concepts of Microdentistry, the use of mini burs, ultrasounds, air and sono abrasion and their adequate restorative techniques
- Bulk Filling concept in posterior restorations: Sonicfill, SDR, Filtek Bulk Fill etc.

Hypersensitivity and composite restorations

- What are the factors responsible of postoperative hypersensitivity in composite restorations?
- How to manage those cases?
- Cracked tooth syndrome: causes and treatments
- Repair of composite restorations: When and how?

CAD/ CAM in restorative dentistry.

- Fundamentals of CAD/CAM in cosmetic dentistry
- Tools and instrumentations
- Principles of CAD/CAM preparations
- Communication with the lab technician

Inlays-Onlays: from preparation to cementation

- Principles, tools and techniques for Inlay-Onlays preparations
- Restorations: ceramic or composite?
- Longevity and maintenance of Inlays

Workshop 3

- [Hands-on and literature review 3](#)

Module 4

The smile design

- Artistic and scientific in smile design: face, lips, teeth and periodontium.
- Dental aspect of a smile: Ideal proportions of the teeth, symmetry, perspective and illusion.

Dental ceramics

- Characteristics of all ceramic systems.
- The systems of all ceramic crowns: Empress, Procera, InCeram, Zircono.
- Principals, instrumentation and technique of preparations of “all ceramic”
- crowns on anterior and posterior teeth.

Porcelain laminate veneers: from preparation to cementation

- Indication of porcelain veneers.
- Preparation principles.
- Temporary and impression.
- Resin cements used for indirect restorations: composition and uses.
- Try in and luting of porcelain veneers.
- Finishing and polishing.
- Maintenance and failures of porcelain veneers.

Aesthetics and periodontal treatment

- Maintenance and management of the healthy periodontium.
- Cavity limits and bone level.
- Gum and periodontal tissues.
- Crown lengthening of a single tooth.
- Gummy smile: Esthetic crown lengthening and melanin pigmentation.

Workshop 4

Hands-on and literature review 4

Module 5

Botox in Medicine

- Botulinum toxin type A
- Introduction
- Facial anatomy
- Indications

Clinical Use of Botox

- Patient selection
- Uses of Botulinum toxin type A
- Forehead lines\Glabellar\frown lines\Crow`s feet
- Wrinkled lip lines\Bruxism TMJ\ Gummy smile\ tension headache

Dermal Fillers

- Introduction
- Indications
- Patient selection

- Qualities of fillers
- Types of fillers

Clinical Use of Dermal Fillers

- Contours of the lip
- Marionette lines
- Naso-labial
- Zygomatic
- Chin \nose\black triangles\scars

Workshop 5

- Hands-on: Clinical training on Botox and Dermal Fillers

Module 6

Laser in the Medical Field

- History of Laser
- Laser Physics
- Components of Laser Transmission Modes
- Pulse Mode
- Laser-Tissue Interaction
- Effects of Wavelength on tissue
- Indication and contra indications.

Lasers in restorative dentistry

- General concept
- Laser safety measures
- Diagnosis
- Therapy
- Follow-up on various clinical Indications
- Different types of lasers used in restorative dentistry

Workshop 6

- Hands-on (Practical) Training - Clinical Applications and Evaluation of Erbium Oral Surgery and Dentistry

Exam preparation / Multiple-choice examination

Graduation Ceremony