UNIVERSITÀ DEGLI STUDI
DI GENOVA

UNIVERSITY OF GENOA - ITALY

FELLOWSHIP IN ADVANCED ENDODONTICS

International Postgraduate Diploma

Objective

The Fellowship Diploma of the University of Genoa, Italy is a one-year international training program designed to offer comprehensive training in all aspects of endodontics. Fellowship shall define a level of competence that is consistent with an experienced clinician. The curriculum exposes students to a variety of endodontic techniques and new scientifically-based modalities of treatment. The course is designed to provide an advanced evidence-based core knowledge in modern Endodontics and to refine practical skills.

Students will have access to the latest equipment, including operating microscopes, ultrasonic devices and rotary instruments. The participant will be aptly prepared to appreciate the role of the new technology in endodontics.

The teaching faculty is comprised of endodontists with many years of experience as educators and practitioners. They have lectured nationally and internationally and have published in leading endodontic texts and journals. The international training program is directed by Prof. Stefano Benedicenti and members of the scientific board are Prof. a.c. Antonio Signore and Prof. Vassilios Kaitsas. Successful completion of the course and final examination shall be recognised by the presentation of a certificate: “Fellowship in advanced Endodontics”

Course Structure

The course is composed by five modules.

Module I. Cleaning and Shaping of Root Canal System

- Endodontic access cavities: clinical guidance, instruments and techniques.
- Locating calcified root canal orifices: instruments and operative techniques.
- Initial hand filing and mechanical exploration of fine and curved root canals with stainless steel files and nickel-titanium instruments.
- Nickel titanium rotary instruments: how to use them.
- Endodontic motors and counter-angles for nickel-titanium instruments.
- Electronic apex locators to determine working length.

- Root canal shaping: The principles and techniques of root canal preparation with nickel titanium rotary instruments.
- Irrigation: Solutions, delivery devices and operative techniques.
- Errors of Root Canal Instrumentation: Apical dentine plug, ledge, breakage of instruments: Causes, Prevention and Managing of the errors.
- Rubber dam: material and techniques.
- Dental Radiography: material and techniques
- Hands-on and literature review

Module II. Three-dimensional Root canal Obturation and Treatment of Pulpal Diseases and Periapical Pathology.

- Gutta Percha and canal sealers: Technical, Biological and Handling Properties.
- Techniques and materials of root canal obturation:
- Lateral Condensation of Cold Gutta-Percha
- Vertical Compaction of Warm Gutta-Percha
- Thermo-Mechanical Compaction of Gutta-Percha
- Preservation of vitality of the teeth: Technical, biological and handling properties of MTA and Biodentine.
- Pulpal pathology: Diagnosis and treatment of painful emergencies.
- Periapical diseases: Treatment of chronic and acute apical periodontitis, abscess, granuloma and cyst.
- Calcium Hydroxide: Biological properties and technical use.
- Endo- perio problems: diagnosis and treatment.
- Antibiotics, antalgics and anti-inflammatory drugs.
- Primary Teeth: Endodontic treatment.
- Hands-on and literature review

Module III. Root Canal Retreatment and Treatment of complicated Cases in Endodontics.

- Root perforations: Prevention and repair with MTA and Biodentine.
- Immature Teeth: Endodontic treatment of teeth with large and open apices.
- MTA: Properties and operative techniques.
- Root resorptions: Etiologies, diagnosis and treatment.
- Root fracture: Etiologies, diagnosis and prevention.
- Bleaching endodontically treated teeth.
- Dental traumatic injuries: Treatment of root fracture, luxation and avulsion.
- Retreatment decisions and treatment planning in endodontics.
- Removal crowns and bridges.
- Removal of prefabricated metallic and fiber posts, and Casted Post and core from single rooted tooth and molars.
- Solvents and Removal of Obturation Materials: Paste, Gutta-Percha, Resin…
- Removal Broken Posts, silver Points and broken Instruments.
- Managing ledge, block and calcification.
- Reshaping root canal with manual and rotary instruments.
- Buildup with fiber posts.
- Hands-on and literature review

Module IV. Endodontic Surgery

- Indications for endodontic surgery.
- Medical considerations of the patient.
- Presurgical preparation of the patient.
- Preparation of the instruments and materials.
- Anatomic considerations.
- Anesthesia.
- Flap design and incision.
- Elevation and retraction of the flap.
- Osteotomy.
- Curettage.
- Apicoectomy.
- Root and preparation.
- Perforation.
- Root amputation.
- Hemorrhage control.
- Root end filling materials.
- Root end filling procedure.
- Suture materials and suturing.
- Immediate postsurgical care.
- Postsurgical complications.
- Postsurgical evaluation and suture removal.
- Failure and success in endodontic surgery.
- Hands-on and literature review

Module V. Advanced Endodontics

- The use of the dental microscope in initial root canal treatment.
- The use of the dental microscope in root canal retreatment.
- The use of the dental microscope in endodontic surgery.
- The use of Laser in endodontics.
- Hands-on

Program Fact sheet

Where: four of five modules shall be held in the host country. The final meeting will be preferably conducted in Genoa city at the following venue:

UNIVERSITÀ DEGLI STUDI DI GENOVA
Biomedical & dentistry department
C/o San Martino Hospital,
Pavilion # 4 Largo Rosanna Benzi, 10
16132 Genova (Italy)
www.centrolaser.unige.it

The University of Genoa with a student population of over 35,000 and a Faculty of 1,600, it is one of the largest academic institutions in Italy. The Medical Faculty was founded in the XV century as a College which was located in the medieval area of town. In the thirties, the hospital services were transferred to the San Martino district and now covers over 90,000 sqm of hospital space, laboratories, teaching and sports facilities, libraries and offices.

The university structure is located within the complex of the San Martino Hospital in Genoa and is part of the Department of Surgical Sciences and Integrated Diagnostics.

When: the program is developed in one-year course of study. The timetable and dates are available through your local referent/dealer.
Notes:
Payment of course fees shall be payable at the commencement of the course and non-refundable.
Course participants must be dental practitioners holding a current license to practice dentistry, conferred by a recognised National Dental Body.

Genoa the lighthouse of Italy

Genova (Italian for Genoa) is capital of the Genoa province and Liguria in northwest Italy. The city carries a population of 1million and is beautifully positioned on the Italian Riviera. Genova is known for being the chief seaport of Italy. Some great places to see in Genova are the palace of the doges, the medieval Church of San Donato, the Carlo Felice Opera House (dating back to the 19th century), the 16th century churches of St. Ambrose and the Annunciation, and other magnificent Renaissance palaces.
Walls and forts are abundant throughout the city; the narrow streets of the harbor area are captivating. One popular attraction is the lighthouse called Lanterna, which dates back to the 16th century. This lighthouse is an important "landmark" of Genova.
In 1992, Renzo Piano was credited for redesigning the Old Port. A modern Aquarium and a tropical greenhouse are located there. Genova also has a university which was founded in 1243 and a few museums. Genova's maritime presence is still very strong, which can be sensed throughout the entire area.
All the information about Genoa city at http://www.genova-turismo.it/