

International Master of Oral surgery

PGO UCAM - ESIRO



International Master of Oral surgery,
Implants and Periodontics

Who is it for?

The title of Specialist, Master and International Master in Oral Surgery, Implantology and Periodontics is aimed at Graduates in Dentistry (Graduates in Dentistry), Stomatology Specialists and Maxillofacial Surgeons

Modality: Presential
ECTS / Certification:
University Specialist: 40
Master: 60
International Master: 80
Duration:
Start: October 2019
End: 2020
Theory Headquarters :
Barcelona: UCAM-Masters Barcelona.
New York: UCAM-Masters NYU.
Practice headquarters:
Barcelona: UCAM-Masters Barcelona

In current dentistry, oral surgery, implantology and periodontics have become necessary activities for the success of any treatment plan to improve the oral health of patients. The title of Specialist and Master in Oral Surgery, Implantology and Periodontics, aims to provide students with the necessary skills that will allow them to develop surgical skills in dentistry; to face the current high demand of this type of treatment where Implantology and bone regeneration is included. It's necessary to be aware and keep abreast of the latest medical and surgical treatments, acquire knowledge of the diagnostic to make a treatment plan and obtain the skills to perform the necessary therapeutic techniques; both surgical and prosthetic, so that the students can incorporate all this knowledge into their daily clinical practice.

Main Goals

The general objective of this university Master training program is to train postgraduate students (stomatologists or dental graduates), to be specialists in Oral Surgery, Implantology and Periodontics, with a solid and extensive theoretical training, as well as with an adequate clinical experience where they will safely and confidently apply the knowledge acquired in clinical patients.

Program

DATE: OCTOBER 2019

Theoretical program

Presentation of the program, objectives, teaching systematics, clinical practices, scientific work.

Anatomy and radiology in implantology.

General measures in oral surgical procedures.

Simple surgical techniques in oral surgery.

Advanced surgical techniques in oral surgery - Medical treatment of pathologies in the oral cavity.

Periprosthetic surgery, inclusions, biopsies, cellulitis, Apicectomy.

Complications in oral surgery and its management

With a solid and extensive theoretical training , like someone with an adequate clinical experience, where they will apply safely and confidently the knowledge acquired in clinical patients.

Module 1:

Oral Surgery Specialist-Master and International Master

Theoretical program Presentation of the program, objectives, teaching systematics, clinical practices, scientific work. Anatomy and radiology in implantology. General measures in oral surgical procedures. Simple surgical techniques in oral surgery. Advanced surgical techniques in oral surgery. Medical treatment of pathologies in the oral cavity. Preprosthetic surgery, inclusions, biopsies, cellulitis Apicectomy. Complications in oral surgery and its management

Module 2:

Research methodology. Radiological anatomy. Diagnosis with CBCT Specialist-Master and International Master

Theoretical program Research phases. Bibliographic searches. Identification and management of the main sources of information for dental research. Organization and registration of bibliographic information. Writing of research work. Scientific article and its different sections. Appropriate for the dissemination of research results. Process of evaluation of the contents of articles in scientific journals. Communication with journals and instructions on submission, submission and correction of manuscripts. Critical assessment of research conducted and published. : Bibliographic search, Radiology CBCT.

Module 3: Basic Implantology Specialist-Master and International Master

Theoretical Surgical Anatomy program , applied to Implantology. Bone Physiology. Tissue response to implants. Implantation Biomechanics. Incisions, flaps and sutures. Basic Surgical Technique for implant insertion. Types of implants. Pre-operative examinations. Preoperative patient preparation. Sterilization, field preparation. Surgical, instrumental Local anesthesia, Sedation and general anesthesia. Technique and indications. Complications. Patient selection. Diagnostic in implant-prosthesis. Planning of treatment. Advanced methods of diagnosis and planning. Practical workshop Implant placement workshop on phantoms.

Module 4:

Techniques in Advanced Implantology I Specialist-Master and International Master

Theoretical program Bone expansión and Corticotomies , Expansive implants. Casumatic sinus lift: Cortical Fix, balloon, customized systems. - Intraoral autografts. Special situations. In this module can associate advanced surgery techniques (Cortical-Fix, expansion, expansive implants, RTG, intraoral autologus grafts, sinus elevation) .Presentation of cases. solving anterior cases-module problems .Practical workshop Bone expansion Surgery by teachers. Surgery by students.

Module 5 and 6: Periodontics I. Prosthesis I Specialist-Master and International Master

Theoretical Anatomy Program, physiology, microbiology, etiopathogenesis, epidemiology. Clinical diagnosis and prognosis of periodontal disease. Treatment of Periodontal Disease. Clinical-radiographical examination. Hygienic phase of periodontal treatment. Basic periodontal surgery. Resective periodontal surgery. Techniques used today. Classification of periodontal flaps. Coronary lengthening. Regenerative periodontal surgery. Decision making. Objectives of regenerative therapy. Histological concepts. Justification. Diagnosis. Classification of bone defects. Selection of the defect to be treated. Indications of regenerative therapy. Modalities of regenerative therapy. Practical workshop Soft tissue graft Clinical practice with patients, Options in implant-prosthesis. Occlusal scheme in especial situations. Record taking and assembly. Types of prosthesis on implants. Provisional prosthesis and final prosthesis. Clinical situations: unitary, intermediate, extremities free, total upper-lower Arbit restorations. Overdentures. Combined and screwed prostheses. Prosthetic prosthesis and aesthetic optimization. Successful criteria. Prosthetic prosthesis with various implant systems. Plattform switching. Maintenance of prostheses on implants. Presentation of cases-problem by the profesorado. Soluciones cases-problem of previous module.

Module 7 and 8: Prostheses II Master and International Master

Theoretical program Aesthetics in Implantology. Importance of the previous sector. Impressions: Techniques and materials. Immediate Provisionalization. Unitary implants. Aesthetics and prostheses on implants. Complications and solutions. Presentation of cases by the teacher. Solving cases of previous module. Practical workshop of impressions Clinical practices with patients

Module 9: Techniques in Advanced Implantology II Master and International Master

Theoretical program All-on-4. - Surgical and prosthetic protocol. - Immediate function. Guided surgery. Protocol of immediate post-extraction function in complex rehabilitations. Presentation of cases by the teacher. Case-problem solutions of previous module. Practical workshop Guided surgery. Implant placement by the students.

Module 10 and 11:

Periodontics II. Techniques in Advanced Implantology III

Specialist-Master and International Master

Theoretical program (Specialists: 7 and 8 February, Master and International Master: 6, 7 and 8 February) Basic foundations in mucogingival surgery: anatomical and morphological considerations of periodontal tissues, biological width, types of flaps, classification of recessions, periodontal biotype .Management of free grafts: indications, contraindications, techniques. Management of pedicled flaps: indications, contraindications, techniques. Bilaminar techniques: indications, contraindications, techniques. Subepithelial connective grafts. Regeneration associated with mucogingival surgery. Peri implant surgery: Approach and closure maneuvers Modifications of the peri implant mucosa in the placement of implants. Corrective maneuvers of the peri implantary mucosa. Practical workshop: Free grafts with micro-screws Clinical practices with patients Advanced Implantology Techniques Program II Immediate function. - Definition, techniques, protocols, indications. - Protocol of immediate post-extraction function and provisionalization. Presentation of cases by the teacher. Case-problem solutions of the previous module. Clinic: Implant placement by the students.

Module 13: Aesthetics in the perioral area Master and International Master.

Theoretical Classification of filling materials program. Anesthesia in facial aesthetic medicine. Indications, adverse effects and contraindications. - Combined treatments. - Legislation. Aesthetic medicine techniques associated with implant-prosthesis. Clinic Application of labial fillings in the peri-oral area. Biomaterials

Module 13, 14 and 15: INTENSIVE WEEK IN NEW YORK Master and International Master

One week Theoretical program to expand knowledge and participate in the most advanced dental techniques.

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Module16: Peria-buccal aesthetics

Classification of filling materials. Anesthesia in facial aesthetic medicine. Indications, adverse effects and contraindications. Combined treatments. Legislation.

Aesthetic medicine techniques associated with implant-prosthesis. Clinic. Application of labial fillings in the peri-oral area by the teaching staff. Biomaterials.

Module 17 and 18: Advanced implantology techniques. V. Final Master Thesis-Master and International Master's Thesis.

Theoretical program (Specialists: day 5 and 6. International master and master: day 4, 5 and 6) Sinus lift. Maxillary Sinus Anatomy: Surgical Implications. Clinical- Radiological Diagnosis : Interpretation of Orthopantomography and T.A.C. Indications, Contraindications and Alternatives. Necessary Instrument. Biomaterials: types of grafts, membranes, consolidation times, etc. Surgical technique. Intraoperative, postoperative complications and their management. Presentation of cases by the teacher. Case-problem solutions of the previous module. TFM coordinator: Academic Commission at the end of the Master's Program: consists of the realization of a project or research and development work composed of a set of explanations, theories, ideas, reasoning and insights on a specific topic by the student. Its purpose is to train to plan a process, apply the principles and methodologies of research (documentary search, collection, analysis and interpretation of data, ...) , solving problems and defending proposals autonomously and professionally through efficient communication.

Module 19: Advanced implantology techniques VI Master and International Master.

Theoretical Anatomy Program applied to the jaw, upper maxilla and zygomatic-maxilla. All-on-4. Indications and contraindications. Criteria for patient selection. Advantages of the procedure. Surgical technique. Selection of pillars. Modifications to the classical technique: design in M, V and extended. Immediate function prosthesis protocol. Occlusion. Post-operative care, maintenance. Scientific evidence. Rehabilitation with zygomatic implants. Indications and contraindications. Patient selection criteria. Surgical technique: classic, slot, extrasinusal, extramaxillary. Hybrid tumor, zygomatic-quad, partial zygoma, clinical variants. , fat buccal package flap. The zygomatic implant as a rescue implant. Maxillary bone and zygomatic implants. Immediate function prosthesis protocol. Occlusion. Post-operative care, maintenance. Scientific evidence. Practice with patients

Module 20:

Vertical Growth - Guided Tissue Regeneration and Guided Bone Regeneration. Practice on pig heads and patients International Master.

Theoretical program :Development of the different surgical techniques to obtain a vertical growth (Urban-Khoury). Use of resorbable and non-resorbable membranes. Hands-On practical workshop on pig heads for the use of membranes and techniques mentioned above. Clinical practice with patients

Module 21:

Advanced Surgery. Zygomatic implants Angled Implants International Master.

Theoretical program: angulated implants, their use in modern implantology. Short implants and zygomatic implants a vision of implantology looking for solutions in the absence of bone. Clinical practice with patients.