

DATOS GENERALES

Curso académico

Tipo de curso	Máster de Formación Permanente
Número de créditos	60,00 Créditos ECTS
Matrícula	6.000 euros (importe precio público pendiente de aprobación por el Consejo Social Universitat de València.)
Requisitos de acceso	The master's degree is aimed at doctors or dentists interested in obtaining specialised training in implantology and oral surgery. The student will receive the title of Master of Continuing Education in Implantology and Oral Surgery from the University of Valencia, guaranteeing advanced training aimed at specialisation and, above all, in the professional field. The qualification awarded by the University of Valencia meets the requirements commonly demanded by job exchanges, competitive examinations and professional career assessment committees. *Admitted students who undertake clinical practice must be covered by Professional Civil Liability Insurance for the duration of the degree.
Modalidad	Semipresencial
Lugar de impartición	Online Theory + Face-to-Face Clinical Practice
Horario	Free choice of the student

Dirección

Organizador	Departament d'Estomatologia
Dirección	José Miguel Peñarrocha Diago Presidente de la Sociedad Española de Cirugía Bucal. Doctor en Medicina y Cirugía. Especialista en Estomatología y en Neurología. Catedrático de Cirugía Bucal. Universitat de València. María Peñarrocha Diago Doctora en Medicina y Cirugía. Doctora en Odontología. Máster en Cirugía e Implantología Oral. Profesora Titular de Cirugía Bucal.. Departament d'Estomatologia. Universitat de València.

Plazos

Preinscripción al curso	Hasta 02/09/2024
Fecha inicio	Septiembre 2024
Fecha fin	Junio 2025

Más información

Teléfono	961 603 000
Web específica	http://www.fundaciolluisalcanyis.org/clinicas/formacion/
E-mail	informacion@adeituv.es

PROGRAMA

Oral Surgery

Module 1. Introduction to Oral Surgery. Radiology. Instruments and equipment. Surgical act.

Unit 1.1.- Introduction to Oral Surgery.

- Clinical history and complementary tests Parts I and II.
- Documentation and informed consents.
- Sterility and surgical field set-up.
- Sterility and set-up of the surgical field

Unit 1.2.- Radiology

- Radiology in oral surgery: periapical radiographs, orthopantomography and cone beam computed tomography. PART 1
- Radiology in oral surgery: periapical radiographies, orthopantomography and cone beam computed tomography. PART 2
- Radiological diagnosis in oral surgery.
- Radiology in oral surgery: periapical radiographs, orthopantomography and cone beam computed tomography.
- Cone beam computed tomography (CBCT)

Unit 1.3.- Surgical procedure

- Instruments
- Pre-operative phase
- Operative phase
- Post-operative phase

Module 2. Anatomy in Oral Surgery

Unit 2.1.- Presentation

- The oral cavity and adjacent anatomical regions

Unit 2.2.- Osteology of the facial massif

- Facial massif, upper jawbone

Unit 2.3.- Lower jaw

- Study of the face, carotid gland. Facial nerve
- Facial artery.
- TMJ superficial and intermediate plane.
- Deep plane TMJ and infratemporal fossa.
- Submandibular region
- Submental region
- Floor of the mouth and tongue

Unit 2.4.- Upper jaw

- Upper maxilla (maxillary sinus)
- Orbital fossa
- Nasal fossa, ethmoid bone, turbinates

Module 3. Locoregional anaesthesia and conscious sedation.

Unit 3.1.- Loco-regional anaesthesia

- Presentation
- Introduction to anaesthesia. Pain from oral tissues
- Nerve conduction block.
- Anaesthetic equipment. General recommendations
- Primary anaesthetic techniques in dentistry.
- Secondary anaesthetic techniques in anaesthesia
- Local anaesthesia complications in dentistry
- General complications after dental anaesthesia

Unit 3.2.- Conscious sedation

- Intravenous conscious sedation

Justification of sedation

Levels of sedation

Patient assessment

Monitoring and basic components

Pharmacology of sedation

Recovery and discharge criteria

- Cardiopulmonary resuscitation

Cardiopulmonary resuscitation

Defibrillation

Airway management in a dental clinic

Airway obstruction

- Emergencies and airway maintenance in the dental surgery

Preliminary considerations

Most common medical emergencies: vagal reaction and allergic reaction

Other medical emergencies

Module 4. Complex exodontia. Complications

Unit 4.1.- Exodontics

- Basic principles of extractions
- Exodontia of maxillary permanent teeth

Unit 4.2.2. Complex extractions

- Complex extractions: open surgical extraction

Unit 4.3.- Complications of extractions

- Complications of exodontia

Module 5. Treatment of dental inclusions

Unit 5.1.- Included teeth generalities. Wisdom teeth.

- Included teeth. Generalities

- Tooth retention.
- Pathology of the third molar.
- Therapeutic approach
- Complications and therapeutic guidelines

Unit 5.2.- Included canines

- Canine teeth: exodontia
- Canines: Surgical-orthodontic treatment
- Ortho-perio approach to treat included canines. Diagnosis, procedure, clinical cases.

Unit 5.3.- Other inclusions. Transplants

- Other included teeth.
- Supranumerary teeth.
- Tooth transplants.

Module 6. Exodontic complications of impacted teeth. Orthodontics and oral and maxillofacial surgery.

Unit 6.1.- Complications in the extraction of impacted teeth.

- Infectious and nervous complications of the extraction of included teeth.
- Other complications of the extraction of included teeth.

Unit 6.2.- Orthodontics and oral and maxillofacial surgery.

- Buccal braces
- Orthodontic-surgical treatment of teeth 1 and 2.
- Orthognathic surgery

Module 7. Pre-prosthetic surgery. Biopsies. Braces

Unit 7.1.- Pre-prosthetic surgery.

Unit 7.2.- Biopsies.

Unit 7.3.- Braces.

Unit 7.4.- Facial aesthetic fillings.

Module 8. Periapical surgery

Unit 8.1.- Diagnosis in periapical surgery.

- Introduction to periapical surgery.
- Reendodontics or periapical surgery? Criteria for healing in PC.
- Indications for periapical surgery
- Contraindications for periapical surgery.
- Clinical and radiological diagnosis in periapical surgery
- Intraoperative diagnosis: importance of magnification
- Pathology of odontogenic cystic lesions
- Orthograde" endodontics for periapical lesions

Unit 8.2.- Treatment in periapical surgery

- Surgical technique: instruments. Anaesthesia
- Incision or flap design.
- Elevation and separation of the flap
- Osteotomy and debridement of the lesion
- Apicoectomy
- Preparation of the retrograde cavity
- Control of bleeding
- Retrograde obturation
- Regeneration of the defect
- Suture. Postoperative treatment
- Clinical cases of periapical surgery. Part II

Module 9. Diagnosis and treatment of odontogenic infections of bacterial origin

Unit 9.1.- Odontogenic infection generalities

- Concept, aetiopathogenesis and diagnosis of odontogenic infection
- Evolution and clinical pictures of odontogenic infection: periapical periodontitis
- Progression and dissemination of odontogenic infection
- Evolution and clinical pictures of odontogenic infection: abscesses and cellulitis
- Periapical pathology of dental implants

Unit 9.2.- Odontogenic infection particularities

- Maxillary sinusitis of odontological origin
- Treatment of orosinus communications
- Complications of odontogenic infection
- Treatment of odontogenic infection
- Prophylactic antibiotics
- Salivary gland infections

- Osteonecrosis

Module 10. Maxillary cysts

Unit 10.1.- Classification of maxillary cysts

- Odontogenic cysts of inflammatory origin
- Odontogenic and non-odontogenic developmental cysts

Unit 10.2.- Cystic pathology

- Differential diagnosis of radiolucent lesions of the jaws
- Treatment of jaw cysts

Module 11. Tumour pathology

Unit 11.1.- Maxillary tumours

- Tumoural pathology of the jaws

Unit 11.2.- Odontogenic tumours

- Odontogenic tumours

Unit 11.3.- Tumours of the salivary glands

- Tumours of the salivary gland

Oral implantology

GENERAL IMPLANTOLOGY

"Module 1. Diagnosis and Planning in Implantology

General concepts and history of implantology.

Topic 1.1.2. Indications and contraindications

Topic 1.1.3. Diagnostics in implantology

"Module 2. Anatomy and radiology in Implantology

Topic 2.1.1. Anatomy and radiology applied to implant surgery

Radiographic diagnosis in implantology.

"Module 3. Tissue integration and implant system design. Peri-implant bone loss

Tissue integration of implants. Implant macro- and micro-design.

Tissue integration of implants. Implant macro- and micro-design Part 2.

"Module 4. Histology in implantology.

Implant surfaces connections: the way to the future.

"Module 5. Basic surgical protocol in implantology.

Topic 5.1.1. Basic surgical protocol in implantology.

"Module 6. Surgical management of soft tissues.

Topic 6.1.1. Soft tissues Part 1.

Topic 6.1.2. Soft tissues Part 2.

" Module 7. Prosthesis on implants.

Unit 7.1. Diagnosis and planning in total and partial edentulous. Types of implant prostheses

Unit 7.2. Biomechanics and occlusion

Unit 7.3. Selection of abutments in Implantoprosthodontics

Unit 7.4. Workshop on selection and management of angled abutments

Unit 7.5. Analogue impressions

Unit 7.6. Workshop on analogue impressions in partial edentulous patients

Unit 7.7. Implant-supported partial denture

Unit 7.8. Implant-supported full arch prosthesis

Unit 7.9. Overdentures

Unit 7.10. New materials in implant-supported prosthodontics

Unit 7.11. Soft Tissue Management with Implant-Supported Provisionals

Unit 7.12. Provisional fabrication workshop and hands technique

Unit 7.13. Introduction to digital flow and digital impressions

Unit 7.14. BOPT on Implants

Unit 7.15. Immediate loading in the totally edentulous

"Module 8. Introduction to bone regeneration.

Topic 8.1.1. Introduction to bone regeneration.

"Module 9. Bone regeneration materials.

Topic 9.1.1. Bone regeneration materials.

" Module 10. Maxillary sinus lift.

Topic 10.1.1. Maxillary sinus lift.

"Module 11. Implants in the maxillary buttresses and residual bone. Treatment of the atrophic edentulous patient. Classes IV, V

and VI

Topic 11.1.1. Zygomatic implants.

"Module 12. Implants in the aesthetic sector.

Unit 12.1. Anatomy and biology of the post-extraction alveolus.

Unit 12.2. Workflow in implantology in the aesthetic sector Unit 12.3.

Unit 12.3. Three-dimensional implant position

Unit 12.4. Implant placement moment

Unit 12.5. ROG in the aesthetic sector

Unit 12.6. Provisionalisation and impressions

"Introduction to guided surgery.

Anatomy and biology of the post-extraction socket.

"Module 14. Early complications in implantology.

Topic 14.1.1. Early complications in implantology.

"Module 15. Maintenance of implant treatment. Diagnosis, prevention and treatment of peri-implant diseases.

Anatomy and biology of the post-extraction alveolus.

Workshop on the treatment of peri-implantitis.

"Module 16. Implantology in older patients.

Topic 16.1.1. Implantology in elderly patients.

ADVANCED IMPLANTOLOGY

"Module 17.- Implantoprosthesis

Implant-prosthetic abutment and retention screw

" Module 18.- Guided Surgery

Unit 18.1. Guided surgery

Topic 18.1.1. Guided surgery - generalities

Unit 18.1.2. Guided surgery - single tooth edentulousness

Section 18.1.3. Guided Surgery in Partial Edentulism

Guided Surgery - Computer Guided Treatments - Total Edentulism - Overdenture

Unit 18.2. Navigated Surgery

Topic 18.2.1. Navigated Surgery - Concepts

Unit 18.2.2. Navigated Surgery - units

Topic 18.2.3. Navigated Surgery - Partial Edentulousness

Unit 18.3. Double factor

Double factor technique. Guided and Navigated Fusion

"Aetiology, diagnosis and treatment of peri-implant diseases.

Atraumatic sinus lift: Summers 2.0.

New therapeutic alternatives in the management of patients with medication-induced osteonecrosis of the jaw

Topic 19.1.3. Peri-implant diseases (epi)

Bone regeneration by means of xenograft blocks, simplifying the technique

Topic 19.1.5. Preventing marginal peri-implant bone loss

"Module 20.- Alveolar Distraction

Topic 20.1.1. Alveolar Distraction

"Module 21.- All on four

Guided surgery - computer guided treatments - total edentulism - all on four- all on six

Topic 21.1.2. All on four

Master's Thesis

- Cover Letter
- Portfolio
- Curriculum Vitae

PROFESORADO

Rubén Agustín Panadero

Profesor/a Titular de Universidad. Departament d'Estomatologia. Universitat de València

Ricardo Aiuto

Odontólogo. Istituto Stomatologico. Italia.

María Amparo Aloy Prósper

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

Josep Arnabat Domínguez

Profesor Asociado de Anestesia Odontológica y de Cirugía Bucal , Máster Propio Internacional en Cirugía Oral e Implantología. Universitat de Barcelona

Carlos Ayala Paz

Profesor

Cristina Bonet Coloma

Profesor/a. Universidad Cardenal Herrera - CEU

Danielle Botticelli

Degree in Medicine and Surgery. Fellow researcher at the Department of Periodontology, University of Göteborg (Sweden). Scientific Director of Ariminum Research & Dental Education Center Rimini. Italy.

María Teresa Bovaira Forner

Licenciada en Medicina y Cirugía. Especialista en Anestesiología, Reanimación y Terapia del Dolor. Jefe Clínico Servicio de Anestesiología. Responsable de la Unidad de Dolor del Hospital Intermutual de Levante.

Paula Bovaira Forner

Catedrático/a de Universidad

Guillermo Cabanes Gumbau

Fabio Camacho Alonso

Doctor en Odontología. Máster de Cirugía e Implantología Bucal. Profesor Titular de Estomatología. Secretario de Departamento de Estomatología. Universidad de Murcia.

Luigi Canullo

Dottore in Medicina e Chirurgia. Corsi post-laurea negli USA e diploma post-laurea in Germania. Practice private. Roma. Italy.

Pablo Domínguez Cardoso

Profesor/a Asociado de Universidad. Universidad de Sevilla

Asier Eguia del Valle

Profesor/a Asociado de Universidad. Universitat Politècnica de València

Antoni España Tost

Profesor asociado de Anestesia Odontológica y de Cirugía Bucal

Alberto Fernández ayora

Periodoncista.

Rui Figueredo

Profesor/a. Universitat de Barcelona

Antonio Juan Flichy Fernández

Doctor en Medicina y Cirugía. Máster en Cirugía Oral e Implantología. Práctica privada en Valencia.

María de los Ángeles Fuster Torres

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

Jorge Mario Galante

Alta Dirección. Universidad de Buenos Aires

Pablo Galindo

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Abel García García

Profesor/a Titular de Universidad. Universidad de Santiago de Compostela

Berta García Mira

Doctora en Odontología. Máster en Cirugía e Implantología Oral. Profesora Asociada Cirugía Bucal. Universitat de València. Vocal de la SECIB..

Cosme Gay-Escoda

Doctor en Medicina y Cirugía. Especialista en Cirugía Maxilofacial. Catedrático de Patología Quirúrgica Bucal y Maxilofacial. Director del Máster de Cirugía Bucal e Implantología Bucofacial de la Universidad de Barcelona.

Paula María Gírbés Ballester

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

Juan Bautista Guarinos Carbo

Doctor en Medicina y Cirugía. Especialista en Estomatología. Prof. Máster en Cirugía Oral. Universitat de València. Práctica Privada. Valencia

Carlos Labaig Rueda

Profesor/a Titular de Universidad. Departament d'Estomatologia. Universitat de València

Juan López Quiles

Profesor Contararndo Doctor Universidad Complutense de Madrid

Benjamín Martín Biedma

Profesor Titular

Cristina Martínez Ramos

Universitat Jaume I

Vicente Martínez Sanjuan

Doctor en Medicina y Cirugía. Especialista en Radiología. Jefe Unidad de TC y Resonancia. Hospital General Universitario de Valencia. Profesor Asociado de Radiología y Protección Radiológica. Universitat de València..

Luis Antonio Martorell Calatayud

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

Paulo Fernando Mesquita Carvalho

Coordinador científico

Jason Motta Jones

Adjunto. Humanitas University

Ana Orozco Varo

Licenciada en Odontología. Experta en Prótesis sobre Implantes. Profesora Asociado de Prótesis Estomatológica. Universidad de Sevilla

José Gabriel Ortolá Dinnbier

Abogado Titular. Despacho José Gabriel Ortolá Dinnbier

Jesús Pato Moruelo

Pablo Pavon Fraile

Hilario Pellicer Chover

Odontólogo. Licenciatura en Odontología

José Miguel Peñarrocha Diago

Presidente de la Sociedad Española de Cirugía Bucal. Doctor en Medicina y Cirugía. Especialista en Estomatología y en Neurología. Catedrático de Cirugía Bucal. Universitat de València.

María Peñarrocha Diago

Doctora en Medicina y Cirugía. Doctora en Odontología. Máster en Cirugía e Implantología Oral. Profesora Titular de Cirugía Bucal.. Departament d'Estomatologia. Universitat de València.

David Peñarrocha Oltra

Profesor/a Titular de Universidad. Departament d'Estomatologia. Universitat de València

Adriano Piattelli

University of Chieti-Pescara

Carmen Pomares Puig

Directora - Gerente. Clínica PerioImplant

Julio Pouso Rey

Centro de Diagnostico Avanzado CD3 Cambados

Arthur Rodríguez González Cortés

Cirujano clínica privada.

Primitivo Roig Jornet

Licenciado en Odontología. Director del Diploma de postgrado en Dirección Clínica y Gestión Odontológica. Práctica privada. Valencia.

Fernando Rojas Vizcaya

Doctor en Odontología. Máster en Cirugía e Implantes por la Universidad Complutense de Madrid. Profesor de Prostodoncia del Universidad de Carolina del Norte Chapel Hill, en Estados Unidos. Director del Instituto Mediterráneo de Prostodoncia. Castellón. España.

Francisco Javier Romero Millán

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

Roberto Rotundo

Profesor de Periodoncia.

Eduardo José Selva Otaolaurruchi

Profesor/a Titular de Universidad. Departament d'Estomatologia. Universitat de València

Pedro Jesús Serrano Sánchez

Licenciado en Odontología. Práctica privada. Málaga

Javier Silvestre Rangil

Contratado/a Doctor/a. Departament d'Estomatologia. Universitat de València

Javier Silvestre Rangil

Odontólogo. Licenciatura en Odontología

David Reynaldo Soto Peñaloza

Doctor en Odontología. Máster en Ciencias Odontológicas. Universitat de València

Jose Carlos Suarez Moran

Julio José Suay Antón

Catedrático del Departamento de Diseño de Sistemas Industriales

Francisco José Teixeira Barbosa

Doctor en Odontología

Daniel Torres Lagares

Co-Director del Máster de Cirugía Bucal. Universidad de Sevilla

Leonardo Trombelli

Profesor/a. Università Degli Studi di FERRARA

Agurne Uribarri Etxebarria

Profesor/a. Universidad del País Vasco / Euskal Herriko Unibertsitatea

Eduardo Valmaseda Castellón

Doctor en Medicina y Cirugía. Especialista en Estomatología. Director del Máster de Cirugía Bucal e Implantología Bucofacial. Profesor Titular de Cirugía Bucal. Universidad de Barcelona.

Eugenio Velasco Ortega

Profesor/a Titular de Universidad. Universidad de Sevilla

Eugenio Velasco Ortega

Profesor/a Titular de Universidad. Universidad de Sevilla

José Viña Almunia

Profesor/a Asociado de Universidad. Departament d'Estomatologia. Universitat de València

OBJETIVOS

Las salidas profesionales que tiene el curso son:

The professional opportunities are mainly aimed at the clinical care field. Students who complete the SEMIPRESENTIAL INTERNATIONAL MASTER'S DEGREE IN IMPLANTOLOGY AND ORAL SURGERY are trained to diagnose and develop the best treatment plan for the different oral pathologies that require surgical attention in a dental office. They are also able to diagnose, plan and carry out the functional and aesthetic rehabilitation of patients who have lost teeth using dental implants and bone and soft tissue regeneration procedures if necessary. This professional profile is in great demand in the dental sector, and is present in practically all dental clinics. For some students, this Master's degree can also be the start of an academic and/or research career.

The main objective of this Master's Degree is to train specialists in Oral Surgery and Implantology, guided by scientific evidence. Therefore, as part of their postgraduate training, students will learn to consult and critically evaluate the scientific literature.

The theoretical-practical content totals 60 ECTS credits. Students will receive online theoretical-practical training and will participate in face-to-face clinical activity with patients at the University or at an internship centre with an agreement with the University. The student will request the practice centre from those proposed by the University or will designate one of their own choice from any country. They will plan and carry out progressively more complex cases throughout the Master's programme, with partial dedication and tailored to the student's needs.

Specific objectives: Students taking this degree will develop in the subject of Oral Surgery: the theoretical and practical knowledge necessary to perform surgical extractions, fenestrations, periapical surgery, soft tissue surgery, knowledge of the surgical treatment of infections, cysts and tumours. In the subject of Implantology, students will develop the necessary knowledge to place dental implants, as well as to rehabilitate partially or totally edentulous cases with prostheses on dental implants or which may require bone grafts or gum grafts.

Los contenidos teórico-prácticos son en total 60 créditos ECTS. La Cirugía e Implantología Oral, son unas disciplinas complejas que exigen estudio y dedicación, durante años. A lo largo del curso, los alumnos recibirán formación teórica-práctica online y participarán de la actividad clínica presencial con pacientes en un centro de prácticas externo a la Universitat. El alumno solicitará el centro de prácticas de los propuestos por la Universitat o designará uno de libre elección de cualquier país. Planificarán y realizarán casos progresivamente más complejos a lo largo de la programación del Máster

r, con una dedicación parcial y a medida del alumno.

Professional objectives

The professional opportunities are fundamentally aimed at the clinical care field. The course is aimed at improving the theoretical and practical training of students. So that they are able to carry out implantology and oral surgery treatments with the minimum morbidity and the highest success rate. This professional profile of a dentist with special dedication to implantology and oral surgery is in great demand in the dental sector, and is present in practically all dental clinics, as nowadays with the great growth of information in dentistry it is impossible to cover all branches of knowledge.

METODOLOGÍA

This training programme offers a different way of learning. Our methodology is developed through a cyclical way of learning: Relearning. This learning process combines real cases, the resolution of complex situations by simulation, the study of clinical cases and learning based on repetition. As a result, the content is retained in the memory for a longer period of time.

During the first part of the course, the student's activity will be focused on learning the indication and execution of oral surgery procedures (simple and complex dental extractions: third molars and included canines, root rests; braces, torus, maxillary cysts, periapical surgery, etc.).

In the second part of the course, the activity will focus on diagnosis, planning, implant placement and rehabilitation of implant cases. The student will begin by understanding the treatment of simple cases of single implants and will progress towards more complex treatments (total edentulous, aesthetic implants, immediate implants, atrophic cases requiring gum or bone grafts, sinus lift, immediate loading, etc.).

In order to achieve the objectives set, the methodology used is based on the use of the Virtual Classroom of the University of Valencia, theoretical lessons and practical workshops, clinical cases, bibliographic resources and face-to-face clinical practice.

Teaching resources:

The teaching will be carried out through the Virtual Classroom platform of the University of Valencia, available to the student, at any time, from a fixed or portable device with internet connection. Each week the different modules are opened and remain open throughout the academic year.

Voice-over lessons

The theoretical lessons will be developed through asynchronous, voice-over clinical presentations, with abundant and selected clinical iconography and diagnostic images. The texts will be available in pdf format to facilitate the student's study. All lectures will be in English and some will be in Spanish.

Practical workshop

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Practical workshops will be given with phantom models, which will reproduce the different pathologies and will guide the student through the surgical procedures. All workshops will be conducted in English and some will have texts in Spanish.

Clinical cases

Students will have access to real clinical cases, presented by experts, in which they will learn how to take a clinical history, make a clinical and differential diagnosis, and plan and carry out treatment.

Bibliographic resources

- Books and e-pubs published by teachers.
- Access to scientific databases.

Clinical practicals

Optional extracurricular clinical practicals with patients will be programmed in practice centres agreed with the Universitat de València, for three weeks during the academic year, organised by each of the affiliated centres or in centres freely designated by the student, in different countries, for a maximum of 900 hours per academic year. When the lecturers consider that they are qualified, the students will perform the surgeries from less to more complex depending on the skills of each student.