

## DADES GENERALS

<b>Curs acadÀmic</b>	Curs 2024/2025
<b>Tipus de curs</b>	MÀster de Formaci3 Permanent
<b>Nombre de crÀdits</b>	60,00 CrÀdits ECTS
<b>MatrÀcula</b>	6.000 euros (import preu pÀblic)
<b>Requisits d'acc3s</b>	
<b>Modalitat</b>	Semipresencial
<b>Lloc d'impartici3</b>	Online Theory + Face-to-Face Clinical Practice

## Horari

## Direcci3

<b>Organitzador</b>	Departament d'Estomatologia
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## Terminis

<b>Preinscripci3 al curs</b>	Fins a 02/09/2024
<b>Data inici</b>	Setembre 2024
<b>Data fi</b>	Juny 2025

## MÀs informaci3

<b>TelÀfon</b>	961 603 000
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## PROGRAMA

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
- Ostectomy 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 orosinusal 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

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## 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 hinds 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

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- Cover Letter  
- Portfolio  
- Curriculum Vitae

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