

1. BASIC INFORMATION

Course	Oral Medical-Surgical Pathology II
Degree Program	Degree in Dentistry
School	Faculty of Health Sciences
Year	Third
ECTS	6 ECTS (150 hours)
Credit type	Mandatory
Language(s)	Spanish/English
Delivery Mode	Face
Semester	Sixth semester
Academic year	2020/2021
Coordinating Professor	M ^a Gracia Sarrión Pérez

2. Presentation

It represents the most medical subject of dentistry. It is the first subject of the module where it will delve into diseases of the oral mucosa, salivary glands and maxillary bones, as well as in the orofacial nerve pathology. In it students will acquire the knowledge of the different pathologies and systemic diseases and those that from the mouth can give some manifestation in another organ or body system.

3. COMPETENCES AND LEARNING OUTCOMES

Basic competence:

- CB2 - That students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study
- CB3 - That students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics
- CB5 - That students have developed the learning skills needed to undertake further studies with a high degree of autonomy

General competencies:

- CG4 - Understand and recognize the social and psychological aspects relevant to the treatment of patients.
- CG14 - Knowledge of the general processes of the disease, including infection, inflammation, immune system disturbances, degeneration, neoplasm, metabolic disorders and genetic disorders.
- CG25 - Ability to know and apply the most common basic treatment of oral pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimal invasion and a comprehensive and integrated approach to oral treatment.

- CG26 - Ability to plan and perform multidisciplinary, sequential and integrated dental treatments of limited complexity in patients of all ages and conditions and patients who require special care.
- CG27 - Ability to propose and propose preventive measures appropriate to each clinical situation.
- CG30 - Ability to recognize the role of the dentist in the prevention and protection actions against oral diseases, as well as in the maintenance and promotion of health, both at the individual and community level.

Cross-cutting competencies:

- CT1 - Responsibility: That the student be able to assume the consequences of the actions he/she performs and respond to his own actions.
- CT3 - Awareness of ethical values: Student's ability to feel, judge, argue and act according to moral values in a coherent, persistent and autonomous manner.
- CT7 - Teamwork: That the student is able to participate in an active way in achieving a common goal, listening, respecting and valuing the ideas and proposals of the rest of his team.
- CT8 - Initiative: That the student be able to proactively anticipate proposing solutions or alternatives to the situations presented.

Specific competencies:

- CE34 - Perform basic treatments of the oral-tooth pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimal invasion and a comprehensive and integrated approach to oral-dental treatment.
- CE35 - Diagnosis, plan and perform, in general, a multidisciplinary, sequential and integrated treatment of limited complexity in patients of all ages and conditions and in patients with special needs (diabetic, hypertensive, oncology, transplanted, immunocompromised, anticoagulated, among others) or disabled. Specifically, the dentist should be competent in the establishment of a diagnosis, prognosis and development of adequate therapeutic planning, and in particular in orofacial pain, temporomandibular disorders, bruxism and other parafunctional habits; dental and periapical pathology; oral-dental trauma; periodontal pathology and peri-implant tissues; bone pathology of the jaws, oral soft tissues and an eyebrow glands; states of partial or total building and in the planning of their rehabilitative treatment by dento and mucosoportada prostheses, or by dental implants, malpositions and/or tooth malocclusions and other anatomical or functional alterations of the face or stomatognathic system and its possible orthodontic, orthopaedic or surgical corrections.
- CE36 - Take and interpret x-rays and other image-based procedures relevant in dental practice.
- CE37 - Perform diagnostic models, assemble them and take inter-occlusal records.
- CE38 - Determine and identify the aesthetic requirements of the patient and the possibilities of satisfying their concerns.
- CE39 - Identify the patient who requires special care, recognizing its characteristics and peculiarities.
- CE40 - Assess the motor and sensory function of the mouth, jaws and annexes.
- CE41 - Perform limited procedures of invasive diagnostic techniques in soft tissues (biopsies).
- EC42 - Competent in the appropriate prescription of drugs, knowing their contraindications, interactions, systemic effects and repercussions on other organs.
- CE43 - Apply loco-regional anesthesia techniques.
- CE44 - Prepare and isolate the operating field.
- CE45 - Identify, assess and attend medical emergencies and emergencies that may arise during clinical practice and apply cardiopulmonary resuscitation techniques; manage acute infections, including pharmacological prescribing and simple surgical aspects.
- CE46 - Identify and attend to any dental emergency.
- CE47 - Perform both medical and surgical treatment of common diseases of the oral soft tissues.
- CE48 - Perform simple surgical procedures: extraction of erupted temporary and permanent teeth, fractured or retained roots and uncomplicated surgical removal of non-erupted teeth and simple preprosthetic surgery procedures.
- CE49 - Treat dento-alveolar trauma in temporary and permanent teething.
- CE50 - Treat both pharmacologically and surgically the inflammatory processes of periodontal and/or peri-implant tissues including supra and subgingival periodontal instrumentation techniques.

- CE51 - Assess and treat the patient with cavities or other non-cariosa tooth pathology and be able to use all materials aimed at restoring the shape, function and aesthetics of the tooth in patients of all ages.
- CE52 - Design, prepare teeth, prescribe, record, perform clinical tests and place and put into service indirect restorations: inlays, veneers or aesthetic laminate fronts and unit crowns.
- CE53 - Operately treat destructive processes and traumatic dento-alveolar injuries.
- CE54 - Perform endodontic treatments and apply procedures to preserve pulp vitality.
- CE55 - Perform conventional aesthetic procedures from a multidisciplinary perspective.
- CE56 - Treat both partial and total edentulism, including biological design (specific design characteristics), tooth preparation, obtaining records, clinical testing and adaptation to patients of partial and complete removable prostheses, simple dento-supported bridges and simple prostheses on implants, both removable and fixed, including their "placement" and "commissioning".
- EC57 - Develop the prescriptions for bespoke medical devices 'dental prostheses' and 'orthodontic devices and dento-facial orthopaedics'.
- CE58 - Perform non-surgical treatment of temporo-mandibular disorders and gold-facial pain.
- CE59 - Perform the oral-dental treatment of the child patient and recognize its characteristics and peculiarities.
- CE60 - Identify and correct oral habits likely to cause or exacerbate malocclusions.
- CE61 - Plan, determine specific design characteristics, registrations, prescription, clinical testing, placement and clinical adjustment for commissioning of fixed and removable space maintainers and interceptive orthodontic techniques as well as removable active elements intended to displace teeth or correct cross bites.

Learning Results:

- RA1: Performs a medical history that allows you to identify systemic problems (cardiovascular, hemorrhagic, allergic, etc.) that may modify dental treatment and can endanger the patient's life.
- RA2: Gain knowledge and experience in all clinical methods of exploration.
- RA3: Diagnoses diseases with medical treatment of the oral mucosa, maxillary bones, salivary glands and other attached tissues.
- RA4: Know in depth the systemic diseases with oral repercussions.
- It performs the prevention and early diagnosis of general diseases with orofacial impact.
- RA5: Acquires knowledge and evaluates the epidemiological characteristics of DCM and DCF;
- RA6: Lists the stages of the surgical act and the factors that condition it.
- RA7: Recognizes clinically and radiographically the different oral pathologies in relation to surgery.
- RA8: Recognizes the consequences of x-ray errors and correction.
- RA9: Practice basic incisions and sutures correctly in animal models.
- RA10: Reasons for the choice of different diagnostic and surgical techniques.
- RA11: Practice exodontics of varying degrees of complexity and apicectomies in inorganic models.
- RA12: Reasons for the choice of different surgical treatment plans in patients with different pathologies underlying the level of the contents treated in class.
- RA13: Develops a diagnostic and treatment sequence for oral lesions.
- RA14: Develops a diagnostic protocol and surgical treatment plan with different possibilities for replacement with dental implants.
- RA15: Acquires knowledge of the dental management of patients with systemic pathology and problems of physical and psychic deficiencies

The following table shows the relationship between the competencies developed during the course and the learning outcomes pursued:

Competences	Results of learning
CB2, CB3, CB5	RA2: Gain knowledge and experience in all clinical methods of exploration.

CG4, CG14, CE34, CE39	<p>RA15: Acquires knowledge of the dental management of patients with systemic pathology and problems of physical and psychic deficiencies..</p> <p>RA14: Develops a diagnostic protocol and surgical treatment plan with different possibilities for replacement with dental implants.</p> <p>RA5: Performs the prevention and early diagnosis of general diseases with orofacial impact.</p>
CG25	<p>RA3: Diagnoses diseases with medical treatment of the oral mucosa, maxillary bones, salivary glands and other attached tissues.</p>
CG27, CG30	<p>RA5: Performs the prevention and early diagnosis of general diseases with orofacial impact.</p>
CE35, CE42, CE47	<p>RA1: Make a medical history that allows you to identify systemic problems (cardiovascular, hemorrhagic, allergic, etc.) that can modify dental treatment and can endanger the patient's life.</p> <p>RA2: Gain knowledge and experience in all clinical methods of exploration.</p> <p>RA3: Diagnoses diseases with medical treatment of the oral mucosa, maxillary bones, salivary glands and other attached tissues.</p> <p>RA12: Reasons for the choice of different surgical treatment plans in patients with various pathologies underlying the level of the contents treated in class</p> <p>RA15: Acquires knowledge of the dental management of patients with systemic pathology and problems of physical and mental deficiencies</p>
CE36	<p>RA8: Recognizes clinically and radiographically the different oral pathologies in relation to surgery. Recognizes the consequences of x-ray errors and correction.</p>

4. CONTENT

The subject matter is organized into two learning units, which, in turn, are divided into topics

THEMATIC UNIT 1: INTRODUCTION TO MEDICAL PATHOLOGY

- Theme M1. Teacher planning. Concept. Epidemiology. Objectives. Semiology and Propedeutics
- Theme M2. Stomatogntic device functions. Morphofunctional memory of the oral cavity.
- Theme M3. Medical history in Oral Medicine. Anamnesis.
- Theme M4. Oral Medicine intrabucal exploration and extra-oral clinical exploration in Oral Medicine
- Theme M5. Complementary tests in Oral Medicine. Morphological tests. Biopsy, Cytology, Microbiological Cultures
- Theme M6a. Complementary tests in Oral Medicine. More relevant biochemical and immunological tests. Indications
- Theme M6b. Physiopathology of the oral mucosa focused on the discovery of alterations
- Theme M7. Elemental lesions in oral mucosa

THEMATIC UNIT 2: PATHOLOGY OF ORAL MUCOSA

- Theme M8. Oral lesions caused by physical agents
- Theme M9. Orla leisons caused by chemical agents
- Theme M10. Exogenous pigmentation of the oral mucosa.
- Theme M11. Endogenous discromies. Differential diagnosis of pigment alterations.
- Theme M12. Red lesions in the oral mucosa. Differential diagnosis
- Theme M13. White lesions of the oral mucosa. Differential diagnosis
- Theme M14. Superficial fungal infections of the oral mucosa

Theme M15 Deep fungal infections and oral cavity.
 Theme M16. Bacterial infections of the oral mucosa I
 Theme M17. Bacterial infections of the oral mucosa II
 Theme M18. Viral oral mucosa infections (I)
 Theme M19. Oral mucosal viral infections (II)
 Theme M20. Aphthous stomatitis
 Theme M21. Differential diagnosis of ulcerative lesions
 Theme M22. Immune diseases. Lichen planus
 Theme M23. Blistering lesions of the oral mucosa (I)
 Theme M24. Blistering lesions of the oral mucosa (II)
 Theme M25. Exophytic lesions. Tumors and pseudotumors
 Theme M26. Premalignant lesions. Leukoplakia
 Theme M27. Premalignant lesions
 Theme M28. Oral cancer (I)
 Theme M29. Oral cancer (II)
 Theme M30. Lingual pathology
 Theme M31. Lip pathology
 Theme M32. Mouth floor pathology

5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies used are indicated below:

- Master class
- Case method
- Cooperative learning
- Problem-based learning (APB)
- Project-based learning
- Simulation environments

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
Master classes	42 h
Portfolio	10 h
Formative assessment	5 h
Group work	20 h
Practical exercises	5 h
Laboratory practices	40 h
Case analysis	12 h
Tutorials	5 h

Research	11 h
Total	150 h

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Evaluation system	Weight
<i>Theoretical knowledge tests</i>	30%
<i>Case/problem</i>	20%
<i>Debate</i>	20%
<i>Practical exercises</i>	10%
<i>Portfolio</i>	10%
<i>Simulated preclinical practices</i>	10%

When you access the course on the Campus Virtual, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1. First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

Failure to attend to more than 2 practices will mean that the practices will have to be retaken in the extraordinary. It is necessary to have the laboratory practices approved independently to be able to make an average with the rest of the evaluable activities

7.2. Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

8. SCHEDULE

This section indicates the schedule with dates of delivery of evaluable activities of the subject:

Evaluable activities	Date
----------------------	------

Activity 1. Elemental lesions	Week 3
Activity 2. Medical history	Week 4
Activity 3. Oral lesions by radiotherapy	Week 5
Clinical cases 1-8	Week 6
Activity 4. Oral chemotherapy lesions	Week 7
Activity 5. Complementary Tests in Oral Medicine	Week 8
Clinical cases 9-12	Week 9
Activity 6. Use of corticosteroids in oral pathology	Week 10
Clinical cases 13-16	Week 14
Group works	Week 16

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

The reference work for monitoring the course is:

- Bagán JV. (2013). **Medicina y Patología Bucal**. Valencia: Medicina Oral, S.L. 1ª Edición.

The recommended bibliography is listed below:

- Bagán JV, Jiménez Y. (2010). **Fisiopatología de las glándulas salivales**. Valencia: Medicina Oral, S.L. 1ª Edición.
- Bagán JV. (2010). **Medicina Bucal**. Valencia: Medicina Oral, S.L. 1ª Edición.
- Scully C. (2010). **Oral and maxillofacial diseases: an illustrated guide to diagnosis and management of diseases of the oral mucosa, gingivae, teeth, salivary glands, jaw bones and joints**. London: Informa Healthcare. 4th Edition.
- Dios, P.D., Scully, C., De Almedida, O.P., Bagan, J., Taylor, A.M. (2017). **Oral medicine and pathology at a glance**. Chichester, West Sussex: Ames, Iowa: John Wiley & Sons, Inc. 2nd edition.
- Cawson, R.A. & Odell, E.W. (2012). **Fundamentos de medicina y patología oral**. Barcelona: Elsevier, D.L. 8ª Edición.

The recommended supplementary literature is indexed below:

- Scully C. (2013). **Oral and maxillofacial medicine: the basis of diagnosis and treatment**. Edinburgh: Churchill Livingstone/Elsevier. 3rd edition.
- Index Medicus, MEDLINE, PubMed - <http://www.ncbi.nlm.nih.gov/pubmed/>
- Español Medical Index
http://bddoc.csic.es:8080/inicioBuscarSimple.do;jsessionid=F8AF152E4C1B2E1AF4742257C864F8D1?tabla-docu-iME-estado_formulario-show
- Cochrane Database of Systematic Reviews -
<http://www.thecochranelibrary.com/view/0/AboutTheCochraneLibrary.html#CDSR>
- Centre for evidence based Medicine
<http://www.cebm.net/index.aspx?o=1001>

10. DIVERSITY MANAGEMENT UNIT

Students with specific learning support needs:

Curricular adaptations and adjustments for students with specific learning support needs, in order to guarantee equal opportunities, will be overseen by the Diversity Management Unit (UAD: Unidad de Atención a la Diversidad).

It is compulsory for this Unit to issue a curricular adaptation/adjustment report, and therefore students with specific learning support needs should contact the Unit at unidad.diversidad@universidadeuropea.es at the beginning of each semester.

10. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.