COURSE DATA

Data Subject	
Code	34714
Name	Oral medicine
Cycle	Grade
ECTS Credits	12.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	3	Annual

Subject-matter

Degree	Subject-matter	Character
1206 - Degree in Dentistry	17 - Oral medicine	Obligatory

Coordination

Name	Department
BAGAN SEBASTIAN, JOSE VICENTE	131 - Stomatology

SUMMARY

Oral Medicine is a core subject which belongs to Pathology and Therapeutic module. Degree in Dentistry has allocated 12 ECTS credits and has been given theoretical practice with clinical practices.

It is teached in the third year of the degree of Dentistry. It has an important relation with the subjects of the previous year, specifically with Medical Pathology and Oral Manifestations of systemic diseases.

Oral Medicine represents the most medical subject of Dentistry in which the students will gain knowledge of different pathologies and systemic diseases and those that can give a manifestation in another organ or body system.

In this core subject of the Degree of Dentistry it is expected to give to the dental student the information and knowledge of the oral mucosa, maxillary bones and salivary glands diseases from the point of view of its etiology, diagnosis and medical treatment of different diseases.

An internship will be carried out in the Interdisciplinary Simulation Center of Healt Sciencie of the University of Valencia.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

1206 - Degree in Dentistry :

1210 - Grado de Odontología 2012 :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34700 - Microbiology and immunology

34701 - Histology

34702 - Psychology and communication

34704 - Biomaterials and ergonomics I

34708 - Documentation, professionalism and forensic dentistry

34709 - General medical pathology and paediatrics

34710 - Oral manifestations of systemic illnesses

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34700 - Microbiology and immunology

34701 - Histology

34702 - Psychology and communication

34704 - Biomaterials and ergonomics I

34708 - Documentation, professionalism and forensic dentistry

34709 - General medical pathology and paediatrics

34710 - Oral manifestations of systemic illnesses

Other requirements

OUTCOMES

1206 - Degree in Dentistry

- Obtain and elaborate a clinical history withrelevant information.
- Saber realizar un examen bucal completo, incluyendo las oportunas pruebas radiográficas y de exploración complementarias, así como la obtención de adecuadas referencias clínicas
- Tener capacidad para elaborar un juicio diagnóstico inicial y establecer una estrategia diagnóstica razonada, siendo competente en el reconocimiento de las situaciones que requieran una atención odontológica urgente.
- Establecer el diagnóstico, pronóstico y una adecuada planificación terapéutica en todas las áreas clínicas de la Odontología, siendo competente en el diagnóstico, pronóstico y elaboración del plan de tratamiento odontológico del paciente que requiera cuidados especiales, incluidos los pacientes médicamente comprometidos (como diabéticos, hipertensos, inmunodeprimidos, anticoagulados, entre otros) y pacientes con discapacidad.
- Identificar el principal motivo de consulta y la historia de la enfermedad actual. Realizar una historia clínica general del paciente y una ficha clínica que refleje fielmente los registros del paciente.
- Conocer los procedimientos y pruebas diagnósticas clínicas y de laboratorio, conocer su fiabilidad y validez diagnóstica y ser competente en la interpretación de sus resultados.
- Reconocer la normalidad y la patología bucal, así como la evaluación de los datos semiológicos.
- Tomar e interpretar radiografías y otros procedimientos basados en la imagen, relevantes en la práctica odontológica.
- Valorar la función motora y sensorial de la boca, los maxilares y anejos.
- Realizar procedimientos limitados de técnicas diagnósticas invasivas en tejidos blandos (biopsias).
- Realizar tratamiento médico de las enfermedades comunes de los tejidos blandos bucales.

LEARNING OUTCOMES

- Knowing the different pathologies that may affect the oral mucosa, maxillary bones, oral soft tissues, and its annexed tissues.

- Be able to make the appropriate medical treatment according to the different diseases of oral mucosa, maxillary bones, oral soft tissues, and its annexed tissues.

DESCRIPTION OF CONTENTS

1. THEORETICAL CLASSES

The syllabus of the Oral Medicine course is composed of the following thematic blocks:

Medical pathology of oral mucosa.
- Lesions by mechanical, physical and chemical agents in oral mucosa.
- Bacterial, viral and fungal infections of the oral mucosa.
- Mucocutaneous and autoimmune oral mucosal diseases
- Benign tumors of the oral mucosa.
- Potentially malignant lesions of oral mucosa.
- Oral cancer.
- Tongue pathology.
- Diseases of the lips.

Medical Pathology of salivary glands.
- Components of saliva.
- Regulation of salivary secretion and functions of saliva.
- Diagnostic in saliva and salivary gland pathology techniques.
- Decreased salivary gland function.
- Increased salivary gland function.
- Sialoadenitis.
- Sialadenosis.
- Saliva as diagnostic fluid.

Pathology of jaws.
- Infections of the jaw: Osteonecrosis by drugs. Osteorradionecrosis.
- Fibro-osseous lesions of the jaws.
- Giant cell lesions of the jaws.
- Odontogenic and non-odontogenic maxillary tumors.

Orofacial nervous pathology.
- Neurogenic orofacial pain. Vascular algias.
- TMJ and myofascial pain.
- Trigeminal neuropathies.
- Orofacial paralysis.

2. CLINICAL PRACTICES

Each student will perform 44 hours of clinical practice with patients. According to groups G on Friday afternoons on the second floor of the dental clinics of the Lluís Alcanyís Foundation of the University of Valencia.

3. COMPUTER CLASSROOM PRACTICE: DISCUSSION OF CLINICAL CASES

A discussion of clinical cases that will be uploaded to the virtual classroom will be carried out according to the computer groups I, in order to reinforce the theoretical knowledge acquired in class.

4. SEMINARS

A series of seminars will be carried out in which the student will analyze and deepen in topics of the course and will apply theoretical knowledge to practical situations, thus reinforcing the concepts learned (Groups
P). The agenda of the seminars will be as follows:
Clinical and Diagnostic Exploration in Oral Medicine

1. Extraoral and intraoral clinical examination
2. Elementary lesions
3. Imaging techniques Seminar I (ultrasound, X-ray, CT, MRI, PET)
4. Imaging techniques Seminar II (ultrasound, X-ray, CT, MRI, PET)
5. Seminar on biopsy in oral pathology

Pharmacology in oral medicine

6. Seminar on practical use of antibiotics
7. Seminar on the practical use of analgesics and non-steroidal anti-inflammatory drugs.
8. Seminar on the practical use of steroidal anti-inflammatory drugs.
9. Seminar on the use of anticoagulants and antiplatelet agents in dentistry.
10. Seminar on oncologic treatments in dentistry (QT/RT).
11. Seminar on new drugs in oncology.

Differential diagnosis in oral medicine

12. Differential diagnosis of white, red, ulcerated and pigmented lesions in oral mucosa
13. Differential diagnosis of bone lesions: radiolucent, radiopaque and mixed.
14. Differential diagnosis of cystic and tumoral pathology of the salivary glands.
15. Seminar on facial aesthetic fillers.

*We will do an evaluable activity at the end of each of the three thematic blocks of the seminars

5. GROUP WORK: TRANSVERSAL PRACTICES

There will be a transversal practice in the classroom in which both third and second year students will participate, promoting cooperative learning.

6. LABORATORY PRACTICES

The laboratory practicals will include a series of simulated practical activities focused on complementary diagnostic tests (hematological, cytological, histopathological and salivary) in which students will work on phantoms or among themselves, thus facilitating the understanding and performance of these tests.

7. RESOLUTION OF CASE REPORTS: INTERNSHIPS AT CESIS-UV

Multidisciplinary collaboration with other degrees in the area of health sciences with the aim of simulating the care of a patient requiring the intervention of several health specialties.

8. PREPARATION OF INDIVIDUAL WORK: TEACHING INNOVATION PROJECT

Use of new teaching methodologies in the form of audiovisual resources, collaborative learning and flipped classroom to address topics such as orofacial pain and oral and dental examination (P groups).

9. DEVELOPMENT OF INDIVIDUAL WORK: GAMIFICATION IN THE CLASSROOM

Use of the Genially platform to create visual and interactive content as a teaching methodology to reinforce content, introduce new concepts and self-evaluate acquired competencies.

10. PREPARATION OF EVALUATION ACTIVITIES: CONTINUOUS ASSESSMENT TESTS

Students will have two continuous evaluations of the content of the subject explained until the time of the test. The first one will take place the last week of December and the second one the last week of April.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	52,00	100
Odontology practices	44,00	100
Computer classroom practice	40,00	100
Classroom practices	30,00	100
Laboratory practices	14,00	100
Development of group work	15,00	0
Development of individual work	15,00	0
Study and independent work	69,00	0
Readings supplementary material	7,00	0
Preparation of evaluation activities	7,00	0
Preparation of practical classes and problem	3,50	0
Resolution of case studies	3,50	0
TOTAL	**300,00**	

TEACHING METHODOLOGY

Lectures will focus on providing all the necessary information to make the differential diagnosis and deal with oral pathologies through the course. In them, numerous clinical case reports will be presented, so the students will be able to understand these entities better.

The practice will take place in the second floor of the dental clinic (on Friday afternoon), in Oral Medicine Unit (during the mornings) with reduced groups. In both practice the students should be able to identify oral lesions and the clinical features of these diseases in patients. They will be able to make their own diagnoses and indicate the proper treatment option.

In the seminars differential diagnosis and therapeutic issues will be presented, which are a complement to the lectures. In addition, the students will have to participate in several online case reports throughout the course so they also will be able to review on Internet.

Students will have to present a dissertation of an oral medicine topic at the end of the course, which will be agreed with the tutors of the course.

EVALUATION

CONTINUOUS EVALUATIONS

Students will have two continued evaluations that will be based on the subject content viewed and explained until the time of the evaluation. The first one will take place on December's last academic week and the second one on April's last week.

FINAL THEORETICAL EXAM

Students will have a final theoretical exam that will encompass eight short-extent questions (no multiple choice test) and two long-extent questions related to theoretical subject content.

FINAL PRACTICAL EXAM

Students, in addition to final theoretical exam, will perform a final practical exam based on case reports. This exam will not be oral, and cases will be put for the examination of all the content of the subject. will take place on the same day that the final theoretical exam is completed, that is, in May-June when the CAT of Odontology is determined.

FINAL SCORE

The final score will be obtained as follows:

a) Average rating of the two ongoing evaluations. This represents 20% of the final score.

b) Score of seminars, practices, online case reports and participation in the course. This

represents 20% of the final score.

c) The remaining 60% of the final score will be obtained as follows:

*Final theoretical exam: 50%

*Oral final exam of practical clinical cases: 10%

Note: To pass the course you must:

1- Have passed the final theoretical exam as well as the practical one (5/10).

2- Have presented to the two ongoing evaluations

3- Have attended ALL the scheduled seminars and clinical practice.

It is required to access the advance call of this course, that the student has successfully completed all of his/her practices.

Students are reminded of the great importance of carrying out evaluation surveys of all the teaching teachers of this subject

REFERENCES

Basic

- Bagan JV. Medicina y Patología Bucal. València: Medicina Oral SL; 2013. ISBN: 978-84-616-5253-2 Depósito legal: V-2269-2013
- Bagan JV, Jiménez Y. Fisiopatología de las glándulas salivales. València: Medicina Oral, S.L., 2010ISBN: V-1158-2010 Depósito legal: 978-84-613-8971-1
- Shapp JP, Eversole LR, Wysocki GP. Patología Oral y maxilofacial contemporánea. Madrid: Harcourt Brace; 1998.
- Bagan JV. Medicina y Patología Bucal. València: Medicina Oral SL; 2021. ISBN: 978-84-09-33709-5 Depósito legal: V-3299-2021

Additional

- Reichart PA, Philipsen HP. Odontogenic tumors and allied lesions. London: Quintessence Publishing Co. Ltd; 2004.
- Bermejo Fenoll A Medicina Bucal. Ed Síntesis Medicina bucal. Volumen I y II. Madrid: Síntesis; 1998.