

**COURSE DATA****DATA SUBJECT**

Code: 34710
Name: Oral manifestations of systemic illnesses
Cycle: Undergraduate Studies
ECTS Credits: 4.5
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Facultat de Medicina i Odontologia	2	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1206 - Degree in Dentistry	Oral manifestations of systemic diseases	COMPULSORY

COORDINATION

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SUMMARY

Within the general medicine concepts in the second year this subject introduces the student to oral manifestations of systemic diseases, such as: the oral manifestations of the liver patient, with renal pathology, with endocrine pathology, joint pathology, hematological alterations, pregnancy and menopause. In addition, general guidelines for specific dental treatment in this type of patient are given. The content is also related to other subjects in the same course as they are; pathological anatomy, pharmacology, and general pathology.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

Having completed and passed the basic Subjects corresponding to the Health Sciences branch.



COMPETENCES / LEARNING OUTCOMES

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Conocer las manifestaciones orales de las enfermedades sistémicas.

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.

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.

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.

DESCRIPTION OF CONTENTS

1. THEORETICAL CONTENT

The theoretical content of the course Oral Manifestations of Systemic Diseases is composed of the following topics:

Topic 1: Clinical history and exploration of the oral cavity and its annexes (2 theoretical hours)

Topic 2: Diagnostic techniques applied to the diagnosis of pathology in the oral cavity: hematological, radiological, histopathological, salivary and genetic (4 theoretical hours) Topic 3: Description of the manifestations in the oral mucosa and salivary glands of gastrointestinal and hepatic diseases, as well as the dental management of these patients (2 theoretical hours).

Topic 4: Description of the manifestations in the oral mucosa, salivary glands, teeth, periodontal tissues and maxillary bones of endocrine and metabolic diseases, as well as the dental management of these patients: Diabetes, alterations of the adrenal glands, thyroid alterations and pituitary alterations (4 theoretical hours).

Topic 5: Description of the manifestations in the temporomandibular joints of the osteoarticular systemic diseases, as well as their specific treatment at the level of these joints and in the oral cavity (3 theoretical



hours).

Topic 6: Description of the manifestations in the oral mucosa, periodontal tissues, salivary glands and maxillary bones of chronic renal diseases, as well as the dental management of these patients, particularly with hemodialysis and transplants (2 theoretical hours).

Topic 7: Description of the manifestations in the oral mucosa, periodontal tissues and salivary glands of hematologic diseases, as well as the dental management of these patients (2 theoretical hours).

Topic 8: Description of the dental management of the patient with hemostasis alterations (4 theoretical hours).

Topic 9: Description of the oral mucosal manifestations of pregnancy and menopause as well as the dental management of these patients (2 theoretical hours).

2. COMPUTER PRACTICES

These will be practices on clinical cases of patients with systemic diseases and oral manifestations that will be carried out in the virtual classroom, online, encouraging participation and group work.

3. PRACTICES IN THE LABORATORY/CLINIC

They will be practices focused on performing an intraoral and extraoral exploration in dental clinics. They will be performed among students, tutored by the professors, to acquire the necessary skills to perform a correct oral examination, putting into practice the concepts acquired in the theoretical classes.

4. SEMINARS

Seminars will be held with the aim of reinforcing and updating the students' knowledge of a specific pathology and its relationship with oral health, through an innovative and interactive methodology.

An inter-university clinical-discussion session will be held, specially designed to introduce them to the fundamental knowledge of the area. It aims to familiarize them with key concepts, listen to expert professionals and discover how real clinical cases are approached in the professional setting.

**WORKLOAD****PRESENCIAL ACTIVITIES**

Activity	Hours
Theory	25,00
Laboratory	3,00
Computer classroom practice	7,00
Classroom practices	10,00
Total hours	45,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	24,50
Independent study and work	43,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
Total hours	67,50

TEACHING METHODOLOGY

- Theoretical classes in which the professor will present the contents, methods and techniques necessary for the development of the knowledge and skills that the students need to acquire.

- Research seminars: seminars in small groups in which the teacher will deepen in the correct realization of the clinical history and in each of the complementary diagnostic tests in oral pathology. They will have an extensive infographic and audiovisual resources in order to promote active participation, exchange of ideas, debate and reflection.

- Simulation and clinical skills practices: laboratory/clinic practices in which students will learn to use dental equipment and to perform a correct extraoral and intraoral examination in a systematic method, acquiring the knowledge and skills necessary for care in the dental clinic.

- Case presentation and resolution: practices will be carried out in the computer classroom performing an exercise of diagnosis and treatment of supposed clinical cases, in which cooperative work will be valued by means of the case resolution method.

- Game-based learning: activities using different interactive platforms such as Genially®, Wordwall®, Wooclap®, Google Jamboard®, Kahoot® and Educaplay® to enhance and reinforce concepts in an active and participative way, both in theory classes and seminars.

The gender perspective, respect for diversity and the Sustainable Development Goals (SDGs) will be incorporated into teaching, whenever possible.



EVALUATION

CONTINUOUS EVALUATION

Throughout the seminars there will be different evaluable activities of the content explained in each one.

The online clinical cases delivered will be evaluated according to the evaluation rubric.

The laboratory/clinical practices will be evaluated according to the evaluation rubric.

THEORETICAL FINAL EXAM

1. They will have a theoretical exam in June of the theoretical content of the subject and seminars.
2. This exam will be with short and long extension questions (not multiple choice).

FINAL PRACTICAL EXAM

In addition to the theoretical exam, students will have a final practical exam of all the content of the subject (theory, seminars, clinical cases).

FINAL NOTE

a) Average of the continuous evaluation (evaluable activities performed in seminars, online clinical cases and laboratory/clinical practices): it will account for 10% of the final grade.

b) Theoretical final exam: it will account for 70% of the final grade.

c) Final practical exam: it will represent 20% of the final grade.

Observation: To pass the course, students must:

1. Have passed both the final theoretical exam and the final practical exam with a 5 out of 10, the grades not being compensatory when one of the two is less than five.

2. Have attended and presented the activities of the scheduled seminars.



3. Have attended the clinical practicals.

* In no case will the grade of the theoretical exam or the practical exam be kept if both have not been passed.

It is a requirement to access the advance call for this subject, that the student has successfully completed all his practices.

- Attendance to the practical activities is mandatory. It is considered that the student complies with this requirement if he/she has attended a minimum of 80% of these activities and has adequately justified the impossibility of attending the remaining sessions due to force majeure. It will be essential to comply with this requirement to pass the course.

Students are reminded of the importance of carrying out the evaluation surveys to all the teaching staff of the degree courses.

REFERENCES

BASIC

- Bagan JV. Medicina y Patología Bucal. València: Medicina Oral SL; 2021. ISBN: 978-84-09-33709-5 Depósito legal: V-3299-2021
- Bagan JV, Jiménez Y. Fisiopatología de las glándulas salivales. València: Medicina Oral, S.L., 2010 ISBN: 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; 2013. ISBN: 978-84-616-5253-2 Depósito legal: V-2269-2013
- Médica Panamericana https://uv-es.libguides.com/Medica_Panamericana

COMPLEMENTARY



- 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.

e-HEALTH RESOURCES

- Atlas de imágenes clínicas i casos clínicos <http://www.uv.es/medicina-oral/Docencia/atlas/atlas.htm>
- ClinicalKey Student Medicina, Odontologia y Enfermería <https://uv-es.libguides.com/RecursosSalut>
- Acces Medicina https://uv-es.libguides.com/Access_Medicina