

**COURSE DATA****Data Subject**

<b>Code</b>	34710
<b>Name</b>	Oral manifestations of systemic illnesses
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2023 - 2024

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	2	Second term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1206 - Degree in Dentistry	13 - Oral manifestations of systemic diseases	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
BAGAN DEBON, LETICIA	131 - Stomatology
JIMENEZ SORIANO, MARÍA YOLANDA	131 - Stomatology

**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.

## OUTCOMES

### 1206 - Degree in Dentistry

- 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.
- 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.

## LEARNING OUTCOMES

To know how to perform an adequate clinical examination of the oral cavity including mucosa, glands, joint, bone and tooth tissue. To have an appropriate knowledge on how systemic diseases can be manifested in the oral cavity in order to perform a tentative diagnosis, to ask for the necessary complementary tests and to be able to reach an adequate therapeutic planning on oral mucosa pathology and patients handling.

## DESCRIPTION OF CONTENTS

### 1. TEORETHICAL

Lesson 1: Clinical history and examining of the oral cavity and its attachments. (2 theoretical hours).

Lesson 2. Diagnostical techniques applied to the pathology in the oral cavity diagnosis:

Hematologic, radiologic, histopathological, salivary and genetic. (3 theoretical hours)

Lesson 3: Description of the manifesting in the oral mucosa and salivary glands in gastrointestinal and hepatic diseases, as well as the odontologic handling of these patients (2 theoretical hours).

Lesson 4: Description of the manifesting in the oral mucosa, salivary glands, teeth, periodontal tissue



and maxillary bones in endocrinal and metabolic diseases, as well as the odontologic handling of these patients: Diabetes, suprarenal glands alterations, thyroidal alterations and hypophysiary alterations. (4 theoretical hours).

Lesson 5: Description of the manifesting in the temporal-mandibular joints of osteoarticular systemic diseases, as well as their specific treatment in the mentioned joints and the oral cavity. (3 theoretical hours).

Lesson 6: Description of the manifesting in the oral mucosa, periodontal tissue, salivary glands and maxillary bones in chronic kidney diseases, especially in those with hemodialysis complications and transplants. (2 theoretical hours).

Lesson 7: Descriptions of the manifesting in the oral mucosa, periodontal tissue and salivary glands in the hematologic diseases, as well as the odontologic handling of these patients. (2 theoretical hours)

Lesson 8: Description of the odontologic handling of the patient with hemostatic alterations. (2.5 theoretical hours).

Lesson 9: Description of the manifesting in the oral mucosa in pregnancy and menopause, as well as the odontologic handling of these patients. (2 theoretical hours).

## 2. COMPUTER PRACTICES

In them you will see the clinical cases online, on the internet. Via virtual classroom.

- Clinical cases of patients with systemic diseases and online seminars.

## 3. PRACTICES IN THE LABORATORY/CLINIC

They will addressed on the knowledge and management of the clinical history (examination, radiographic study, salivary examination).

## WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	25,00	100
Classroom practices	10,00	100
Computer classroom practice	7,00	100
Laboratory practices	3,00	100
Development of group work	12,00	0
Development of individual work	12,50	0
Study and independent work	39,00	0
Readings supplementary material	4,00	0
<b>TOTAL</b>	<b>112,50</b>	



## TEACHING METHODOLOGY

-During theoretical classes the professor will expose contents, methods and techniques oriented to the development of the knowledge and abilities to be acquired by the students.

-During seminars the professor will share extensive iconographic material on diverse clinical aspects of the subject, as for example oral clinical images, radiographic images, CAT scan, MRI, techniques used in the laboratory, techniques used in clinic (sialometries, biopsies).

-Practices in the laboratory/clinic: there will be consults set with patients on their first visits always fully under supervision. Full clinical examinations will be performed and complementary tests like orthopantomography will be valued.

-Practices in the computer lab: diagnosis and treatment exercises will be performed on the supposed clinical cases.

## EVALUATION

### THEORETICAL FINAL EXAM

1. They will have a theoretical exam in June of the 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 written exam, students will have a practical image exam.

### FINAL NOTE

- a) Average of the continuous evaluation 30%
- b) The remaining 70% of the final grade will be obtained as follows:

\*Theoretical: 60% of that 70%

\*Practical test: 40% of that 70%.

Observation: To pass the subject they must:

1. Have passed both the theoretical final exam and the practical final exam.
2. Having presented the works of the scheduled seminars.
3. Have attended the clinical practices.

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

### 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.
- ClinicalKey Student
- Atlas de imágenes clínicas i casos clínicos  
<http://www.uv.es/medicina-oral/Docencia/atlas/atlas.htm>