

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

<b>Code</b>	34714
<b>Name</b>	Oral medicine
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	12.0
<b>Academic year</b>	2017 - 2018

**Study (s)**

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

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1206 - Degree in Dentistry	17 - Oral medicine	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
BAGAN SEBASTIAN, JOSE VICENTE	131 - Stomatology
JIMENEZ SORIANO, MARÍA YOLANDA	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 taught 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.



## 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

34703 - Biostatistics and public health

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

34703 - Biostatistics and public health

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 with relevant 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

Medical pathology of oral mucosa.

- Injury by mechanical, physical and chemical agents in oral mucosa.
- Bacterial, viral and fungal infections of the oral mucosa.
- Oral mucosa diseases of mucocutaneous and immune character.
- 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.

- Anatomical and histological characteristics of the 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. Osteoradionecrosis.
- Fibro-osseous lesions of jaws.
- Giant cell lesions of jaws.
- Odontogenic and non-odontogenic maxillary tumors.

Orofacial nervous pathology.

- Neurogenic orofacial pain. Vascular algias.
- ATM and myofascial pain.
- Trigeminal neuropathies.
- Orofacial paralysis.



## **2. CLINICAL PRACTICES**

44 hours of clinical practice with real patients (second floor of the Dental Clinic of the University of Valencia, in the Unit of Oral Medicine at the University of Valencia, and in the Service of Stomatology and Maxillofacial Surgery at General Hospital of Valencia).

## **3. LABORATORY PRACTICES**

It will be practical sessions of intraoral, radiographic and Salivary explorations.

## **4. COMPUTER LAB PRACTICES**

Online clinical cases are studied. Using a username and password students can access a page where find a repertoire of clinical cases.

## **5. SEMINARS**

1. Seminar of facial cosmetic fillers.
2. Seminar of histopathologic and immunohistochemical techniques.
3. Seminar of microbiological diagnostic techniques.
4. Seminar of practical use of antibiotics.
5. Seminar of practical use of nonsteroidal anti-inflammatory.
6. Seminar practical use of steroidal anti-inflammatory.
7. Seminar practical use of analgesics.
8. Seminar use of anticoagulants and antiplatelet drugs in Dentistry.
9. Seminar of salivary glands exploration techniques: sialometry.
10. Seminar of ultrasounds and scans and its diagnostic value.
11. Seminars of CT applications in the diagnosis of oral pathology.
12. Seminar of RM applications in diagnosis of pathology.
13. Seminar of use and value of PET.
14. Seminar of chemotherapeutic drugs and its impact on the oral cavity.
15. Seminar of radiotherapy in oncology.
16. Seminar of diagnosis of cystic pathology in salivary glands.
17. Seminar of tumor pathology diagnosis in salivary glands.
18. Seminar of differential diagnosis of orofacial pain.
19. Seminar of orofacial cervical pathology.
20. Seminar of orofacial malformations.
21. Clinical sessions of Oral Medicine at the Faculty of Medicine and Dentistry. University of Valencia - Sessions in the auditorium of the Faculty.



**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
<b>TOTAL</b>	<b>300,00</b>	

**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****CONTINUED ONLINE ASSESSMENT AT COMPUTER LAB**



Students will have two continued evaluations at computer lab related to online case reports 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 school week and the second one on April's last week. Each of them will consist of 20 case reports presentation along with their pertinent pictures where the students must tag the correct diagnosis of the disease showed.

### **FINAL THEORETICAL-PRACTICAL EXAM**

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

### **FINAL PRACTICAL EXAM**

Students, in addition to final theoretical exam, will perform a final practical ORAL exam based on case reports. It will be included all the subject content.

### **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 attending 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 and practical 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.
- 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 notice of this course, that the student has successfully pursue all of his/her practices.

## **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., 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.

### 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.