

## 29323 - Oral Medicine

### Syllabus Information

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**Academic Year:** 2020/21

**Subject:** 29323 - Oral Medicine

**Faculty / School:** 229 - Facultad de Ciencias de la Salud y del Deporte

**Degree:** 442 - Degree in Odontology

**ECTS:** 9.0

**Year:** 3

**Semester:** First semester

**Subject Type:** Compulsory

**Module:** ---

## 1.General information

### 1.1.Aims of the course

**The subject and its expected results respond to the following approaches and objectives:**

The course will allow the student to acquire the adequate knowledge, skills, attitudes and competences that allow him to establish diagnosis, prognosis, treatment, monitoring and prevention of disorders or conditions of a medical nature that affect the oral and maxillofacial region.

### 1.2.Context and importance of this course in the degree

This subject is closely related to the content in the curricular design of the subjects included in the previous modules of the Degree in Dentistry, since, on many occasions, interprofessional coordination is required for the correct execution of the dental act for the benefit of the sick subject. ORAL MEDICINE, its competencies and contents, are considered to represent a very high percentage of oral manifestations of systemic diseases, given that ORAL MEDICINE is, within Health Sciences, a field related to care and health. oral of patients and aimed at the diagnosis and treatment of disorders or conditions of a medical nature that affect the oral and maxillofacial region; encompassing the evaluation, diagnosis, treatment and investigation of salivary gland diseases, functional alterations of the stomatognathic system, sensory and neurological alterations of the maxillofacial complex, and of primarily orofacial disorders and complications derived from systemic diseases, aging, immunosuppression and treatments. previous.

### 1.3.Recommendations to take this course

Those of access to the Degree in Dentistry. It is recommended to keep in mind the knowledge of subjects of the General Medical-Surgical Pathology block.

## 2.Learning goals

### 2.1.Competences

**Upon passing the subject, the student will be more competent to ...**

1. Perform basic oral-dental pathology treatments in patients of all ages. Therapeutic procedures should be based on the concept of minimal invasion and on a comprehensive and integrated approach to oral-dental treatment.
2. To diagnose, plan and carry out, in general, a multidisciplinary, sequential and integrated treatment of limited complexity in patients of all ages and conditions and in patients with special needs (diabetics, hypertensive, oncological, transplanted, immunosuppressed, anticoagulated, among others) or disabled. Specifically, the dentist must be competent in establishing a diagnosis, a prognosis and the development of adequate therapeutic planning, and particularly in:
  - facial gold pain, temporomandibular disorders, bruxism and other parafunctional habits;
  - bone pathology of the jaws, oral soft tissues and attached glands;
3. For the establishment of said diagnosis and treatment plan, the dentist must acquire the following skills:
  - take and interpret radiographs and other image-based procedures relevant to dental practice;
  - identify the patient requiring special care, recognizing their characteristics and peculiarities;
  - assess the motor and sensory function of the mouth, jaws and appendages, and perform limited procedures for invasive soft tissue diagnostic techniques (biopsies).

4. For the establishment of an adequate treatment, the dentist must be competent in:

- appropriate prescription of drugs, knowing their contraindications, interactions, systemic effects and repercussions on other organs;
- apply loco-regional anesthesia techniques;
- identify, assess and attend to medical emergencies and emergencies that may arise during clinical practice and apply cardio-pulmonary resuscitation techniques;
- manage acute infections, including prescription and simple surgical aspects;
- perform non-surgical treatment of temporomandibular disorders and oro-facial pain.

## 2.2.Learning goals

**The student, to pass this subject, must demonstrate the following results ...**

- Identify the symptoms reported by the patient typical of the pathology of bony and soft parts of the oral-maxillofacial territory.
- Evaluate through the clinical examination and the corresponding complementary tests, the proper signs of the aforementioned pathology.
- Describe adequately the signs and symptoms that will allow establishing a differential diagnosis and a presumptive diagnosis, as well as a treatment plan.
- Solve the diagnosed pathology, if appropriate, using the pertinent medical technique or, failing that, know how to distinguish those situations that due to their characteristics are beyond their competence and must be referred to the corresponding specialist.
- Specify, adapting to the characteristics of the patient, the benefits and risks of the proposed therapeutic act in order to obtain consent.
- Prepare an interconsultation document with the objective of obtaining general medical information in order to carry out the indicated treatment.
- Establish the therapeutic sequence in the event that multidisciplinary treatment is required.
- Prepare a monograph on one of the subjects of the subject, using the scientific methodology and the appropriate computer resources.

## 2.3.Importance of learning goals

**The learning results obtained in this subject are important because they enable the student to:**

- Identify the symptoms reported by the patient typical of the pathology of bony and soft parts of the oral-maxillofacial territory.
- Evaluate through the clinical examination and the corresponding complementary tests, the proper signs of the aforementioned pathology.
- Describe adequately the signs and symptoms that will allow establishing a differential diagnosis and a presumptive diagnosis, as well as a treatment plan.
- Solve the diagnosed pathology, if appropriate, using the pertinent medical technique or, failing that, know how to distinguish those situations that due to their characteristics are beyond their competence and must be referred to the corresponding specialist.
- Specify, adapting to the characteristics of the patient, the benefits and risks of the proposed therapeutic act in order to obtain consent.
- Prepare an interconsultation document with the objective of obtaining general medical information in order to carry out the indicated treatment.
- Establish the therapeutic sequence in the event that multidisciplinary treatment is required.
- Prepare a monograph on one of the subjects of the subject, using the scientific methodology and the appropriate computer resources.

## 3.Assessment (1st and 2nd call)

### 3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

**The student must demonstrate that they have achieved the expected learning outcomes through the following assessment activities ...**

- Theoretical written test, consisting of 20 short questions with a value of 0.2 points each and 6 clinical cases with a value of 1 point each. It represents 80% of the final grade. Each part of the exam must be passed independently, that is, in the part of short questions it will be necessary to obtain at least 2 of the 4 possible points, just as in clinical cases it will be necessary to obtain at least 3 of the 6 possible points.
- Monographic work that represents 10% of the final grade.
- Resolution of clinical cases, knowledge and attitude in the practices of the subject, which represents 10% of the final grade.

Given the exceptional situation for this academic year 2020/21, the evaluation tests will be set up to be carried out in person. In the event of a change to online evaluation, the evaluation tests will be the same but in online format through the Moodle platform and / or Google Meet.

## 4. Methodology, learning tasks, syllabus and resources

### 4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, workshops, tutorials and autonomous work and study.

Theoretical classes. The participatory master class will be used. During the exhibition, dialogue will be promoted by asking questions, Problem Based Learning, solving doubts, etc. In addition, seminars will be held, in the form of theoretical-practical workshops taught by the professor or by invited speakers to deepen topics of special interest.

Case resolution and group work.

Tutoring. Dedicated to solving doubts or providing a specific bibliography on a specific topic in relation to the theoretical or practical contents of the subject.

### 4.2. Learning tasks

This course is organized as follows:

- **Lectures** (30 hours). Each topic of the course ends with asking questions in order to promote dialogue and resolve the doubts of students.
- **Practice sessions** (37.5 hours). Resolution of cases
- **Workshops** (22.5 hours)
- **Tutorials**. Oriented to answer questions or provide a specific bibliography of a specific topic in relation to the theoretical and practical contents of the course.

Given the exceptional situation of the 2020-2021 academic year, if there is no availability of physical spaces to develop the learning tasks according to the regulations approved by the University of Zaragoza, the online format will be adopted. In this case, the lectures will be carried out electronically and synchronously by connecting through technologies such as Google Meet.

### 4.3. Syllabus

This course will address the following topics:

Topic 1: Introduction. The clinical history. Exploration of the oral cavity and appendages.

Topic 2: Complementary explorations: diagnostic imaging techniques. Diagnostic laboratory procedures. Biopsy in oral medicine.

Topic 3: Structure and physiology of the oral mucosa. Elementary lesions.

Topic 4: Lesions in the oral cavity produced by physical and chemical agents. Theme 5 bacterial infections of the oral mucosa.

Topic 6: Oral cavity fungal infections. Oral candidiasis.

Topic 7: Oral viral infections: herpes simplex. Other viruses herpes, Human Papilloma Virus, Coxsackie virus.

Topic 8: Pigmentation and dark lesions of the oral mucosa.

Topic 9: Oral ulcerative lesions: canker sores and Aphthae.

Topic 10: Injuries vesiculo-Bullous. Pemphigus, Pemphigoid, and Erythema Multiforme.

Topic 11: Oral Lichen Planus and Lichenoid lesions.

Topic 12: Lupus Erythematosus and other connectivopathies.

Topic 13: White lesions of the oral cavity: Leukoplakia.

Topic 14: Lesions and precancerous States of the oral mucosa.

Topic 15: Diagnosis of benign tumors.

Topic 16: Oral Cancer.

Topic 17: Pathology of the lips: developmental disorders. Cheilitis.

Topic 18: Language pathology: Glosopatias not classified. Lingual thyroid.

Topic 19: Diagnostic of disorders of the salivary glands. Xerostomia and salivary hypersecretion.

Topic 20: Sialadenitis. Sialilitiasis. Sjogren's syndrome. Sialoadenosis.

Topic 21: Paget's disease. Fibro-osseous lesions of the jaws. Langerhans cell histiocytosis.

Topic 22: Burning mouth syndrome.

Topic 23: Diagnostic and therapeutic approach of halitosis in dentistry.

Topic 24: Dental considerations of hemostasis alterations.

Topic 25: Oral manifestations of hematologic diseases.

Topic 26: Oral manifestations of endocrine diseases.

Topic 27: Dental considerations of renal diseases.

Topic 28: Infection by the human immunodeficiency virus.

Topic 29: Oral implications of cardiovascular diseases. Prophylaxis of bacterial endocarditis.

Topic 30: Oral complications from non-surgical treatment of cancer.

#### Practical content:

Resolution of cases so students develop skills learned in theoretical classes performing clinical histories, establishing a differential diagnosis and arriving at a diagnosis. There will also be workshops to perform a correct clinical history and exploration of the oral cavity.

#### **4.4.Course planning and calendar**

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sports Sciences website and Moodle.

#### **4.5.Bibliography and recommended resources**

##### **Bibliografía básica**

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- Casos clínicos en medicina oral / Sociedad Española de Medicina Oral.. Madrid : Avances Médico-dentales, 2008
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