

Academic Year/course: 2022/23

## 29318 - Medical Pathology for the Stomatognathic System

### Syllabus Information

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**Academic Year:** 2022/23

**Subject:** 29318 - Medical Pathology for the Stomatognathic System

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

**Degree:** 442 - Degree in Odontology

**ECTS:** 6.0

**Year:** 2

**Semester:** Second 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:**

Know the great syndromes of medical pathology, especially those that are relevant for a correct oral-dental care.

Know how to do a detailed medical history and a brief general physical examination. Know the oral manifestations of medical pathology.

These proposals and goals are aligned with the following Sustainable Development Goals (SDGs) of the 2030 Agenda of the United Nations (<https://www.un.org/sustainabledevelopment/>), in such a way that the acquisition of the learning outcomes of the course provide training and competence to contribute to their achievement:

- Goal 3: Health
- Goal 8: Economic Growth
- Goal 9: Infrastructure, industrialization
- Goal 10: Inequality
- Goal 17: Partnerships

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

This course is the basis for passing from knowledge of the normality of the human body to the processes and mechanisms involved in getting sick as well as recognizing the main signs and symptoms of the disease and its repercussions at the level of the stomatognathic apparatus.

### 1.3. Recommendations to take this course

Own access to the Degree in Dentistry Recommendations: Have adequate knowledge of physiological sciences

## 2. Learning goals

### 2.1. Competences

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

1. Know the general processes of getting sick, healing and repairing, including infection, inflammation, bleeding and coagulation, scarring, trauma and disorders of the immune system, degeneration, neoplasm, disorders metabolic and genetic disorders.
2. Know the general pathological characteristics of diseases and disorders that affect the organic systems.
3. Know the oral manifestations of systemic diseases and general syndromes.
4. Know and manage the most frequent medical emergencies and emergencies in dental practice and basic cardiorespiratory resuscitation techniques.

5. Have appropriate knowledge of human nutrition, in particular, the relationship of nutritional and dietary habits with the maintenance of health and the prevention of oral-dental diseases.

Teamwork

Make presentation and defense of a topic worked in depth

## 2.2. Learning goals

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

- Know those oral manifestations that indicate the existence of a medical pathology in order to refer the patient to the corresponding medical services.
- Interpret the results of complementary tests (analytical, radiographs)
- Know how to carry out a correct medical history in order to carry out adequate dental therapy. Differentiate different types of cameras, their characteristics and their operation.
- Take quality extra-oral photographs.
- Take intraoral photographs with or without the use of intraoral mirrors.

## 2.3. Importance of learning goals

The learning results obtained in this subject are important because they enable the student to face the study of the rest of the subjects that include caring for the sick man and the performance of professional profiles, which the students will be able to exercise from the point of sanitary sight in the prevention of the disease and the attention to the sick man.

On the other hand, teamwork will contribute to the strengthening of the interpersonal relationships necessary for the integral formation of the student.

# 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 ...**

- Individual written test (80% of the final grade). Completion of a written test with 50 test questions with 5 items of which only one answer is valid. It will be necessary to have 35 correct questions to pass the test.
- Individual test in seminars and clinical cases (10% of the final grade)
- Practical teamwork (10% of the final grade)

# 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, problem-solving, workshops and seminars, and autonomous work and study.

## 4.2. Learning tasks

This course is organized as follows:

- **Lectures** (24 hours). The content of the lectures will be based on a text or manual previously recommended and adapted to the level of student knowledge.
- **Problem-solving** (13,5 hours). Resolution of cases and problems. Student have to solve problems posed by the teacher improving team work.
- **Workshops and seminars, assignments oral presentations by students** (22,5 hours)

## 4.3. Syllabus

This course will address the following topics:

- 1: Introduction
- 2: Clinical History and Exploration of the Oral Cavity
- 3: Autoimmune diseases and their implications oral level

- 4: Blood disorders and dental management. Patient with antiplatelet and anticoagulation disorders
- 5: Heart disease and clinical management
- 6: Endocrine system diseases. Oral manifestations and dental management
- 7: Immunocompromised patient: HIV and transplanted patients
- 8: Hepatic and kidney diseases
- 9: Gastrointestinal disorders and oral manifestations
- 10: Oncologic disease and handling processes at the clinic.
- 11: Neuromuscular diseases.
- 12: Management of the patient with mobility difficulties.
- 13: Interpretation of analytical results.
- 14: Managing Vademecum. Medical interconsultation.

TOPICS TO BE DEVELOPED IN STUDENTS GROUP WORKS:

- Related to current issues in the field of oral and systemic pathology

#### **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 (<https://fccsyd.unizar.es/es/odontologia/grado-en-odontologia>) and Moodle.

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

To consult the bibliography and recommended resources, you must access the *Recommended Bibliography* link.