

Academic Year/course: 2022/23

## 29334 - Conservative Odontology IV

### Syllabus Information

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**Academic Year:** 2022/23

**Subject:** 29334 - Conservative Odontology IV

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

**Degree:** 442 - Degree in Odontology

**ECTS:** 6.0

**Year:** 4

**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 plans and objectives:**

- 1- To know the etiology, histopathology, treatment and prognosis of dental and periapical lesions.
- 2- To establish a general therapeutic guide, applying the suitable diagnosing methods.
- 3- Complete dental history.
- 4- To make the therapeutic methods correctly achieved in preclinical practices on patients coming to the Odontologic Practices Service of Zaragoza University.
- 5- To achieve clinical experience at University, under the suitable supervision of the teacher.

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 4: Education
- Goal 10: Inequality

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

When passing this subject, the student will be able to face correctly to basic clinic referred to conservative treatments, which are 80% of demanded ones.

### 1.3. Recommendations to take this course

Being Conservative Odontology IV a merely clinical subject, made completely in the ? Odontology Practice Service of Zaragoza University ? on real patients, this is a subject that approach the student to the reality that will find the next day after graduating, in working world.

According to Comision de Estudios de Grado de la Universidad de Zaragoza on 8<sup>th</sup> November 2012 sesion , it is necessary to have passed Conservative Odontology I and II to study this subject (Conservative Odontology IV).

## 2. Learning goals

### 2.1. Competences

- 1- Diagnose and plan a multidisciplinary, sequential and integrated treatment, with limited complexity, in patients.
- 2- Make basic treatments of oral pathology in patients.
- 3- Establish a diagnose, predict and develop a suitable therapeutic plan orientated to dental and periapical pathology and also to trauma.
- 4- To establish a good diagnose and treatment plan ,the ?future? dentist must achieve the following competences:

- . To interpret radiographs and image procedures, relevant in dental practice.
- . To determine the patient's possibilities of satisfaction ,aesthetic and functional .
- . Identify patients with special characteristics ,providing specific care.

5- To establish a good dental treatment, the ?future? dentist must achieve the following competences:

- . To apply correctly local anaesthetic techniques.
- . To prepare and isolate the surgery field.
- . To identify the instruments and material needed in different treatments.
- . To deal with dental infections ,including pharmacological prescription.
- . To treat with surgery teeth destroying processes.
- . To make endodontics treatment and apply procedures to save pulp and root vitality.
- . To make usual aesthetic procedures in a multidisciplinary perspective.
- . Treatment dental trauma.
- . Identify and assist any dental emergency.

### **Transversal competences**

- To know the scientific method and be able to value the established knowledge and new information. To be able to formulate hypothesis, collect and value in a critic way the information to solve problems following the scientific method.
- To get and elaborate a clinical history with all relevant information
- To be able to do a complete oral check, including needed radiographs, complementary exams and get the suitable clinical references.
- To be able to elaborate an initial diagnosis and establish a reasoned diagnosis strategy, being competent in recognizing situations which need urgent attention.
- To know and apply the basic treatment of the most usual dental pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimal invasion and a global and integrated view of dental treatment.
- To know how to plan and make multidisciplinary treatments, sequential and integrated, with limited complexity in patients of all ages and condition, and in those who require special care.
- To suggest preventive measures suitable for each clinical situation.
- To get clinical experience under suitable supervision.

## **2.2. Learning goals**

### **Students , to pass the subject, must show the following results?**

- 1- Identify and describe properly, the symptoms of dental or periapical pathology.
- 2- Establish a differentiating diagnosis and a treatment plan.
- 3- Evaluate the concrete signs of dental and periapical pathology, by means of clinical exploration and complementary tests..
- 4- Value the patient's requirements properly ,in relation to the proposed treatment, adapting to his characteristics (age social level?)
- 5- Establish the therapeutic sequence, in case a multidisciplinary treatment is required
- 6- Solve with the correct conservative technique the diagnosed pathology.
- 7- Identify and solve any odontologic emergency with a dental origin.

## **2.3. Importance of learning goals**

It let students know and base in a scientific-practical way, restoring odontology principles.

Students will be able to diagnose, treat and predict restoring treatments demanded by their patients, trying, according to clinical possibilities, to achieve patient's expectations.

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

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

### **Students must show they have achieve the expected learning results in the following evaluation activities**

- 1- Attendance to theoretical classes and/or clinical seminars (compulsory)
  - 2- Valuation of Clinical Practices (60% of the final mark)
  - 3- Practical test (40% of the final mark)
- \* All the previous points must be passed individually

### **Grading system**

The numerical rating will be expressed in accordance with the provisions of art. 5.2 of Royal Decree 1125/2003 of September 5 (BOE September 18), which establishes the European credit system and the system of qualifications for university degrees of an official nature and valid throughout the national territory. Thus, the grades will be established in the following range: From 0 to 4.9: Suspense (S); 5.0 to 6.9: Pass (A); from 7.0 to 8.9: Notable (N); 9.0 to 10: Outstanding (SB). The mention Matriculation of honor may be awarded to students who have obtained a grade equal to or greater than 9.0.

## 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 theory sessions, seminars, and clinical practice.

This course has a practical orientation, directed to the clinic with patients, so students will face real situations, the same as the ones they will find in the future as dentists but with the difference that during their formation, they will always be supervised by an experienced teacher.

### 4.2. Learning tasks

This course is organized as follows:

- Theory sessions.
- Seminars.
- Clinical practice.

### 4.3. Syllabus

This course will address the following topics:

#### Theory

- Topic 1. Endodontics principles
- Topic 2. Pulp and periapical pathology: pulpitis, necrosis, apical periodontitis
- Topic 3. Instruments in Endodontics
- Topic 4. Diagnose in Endodontics
- Topic 5. Cavity opening
- Topic 6. Instrumentation of canal root
- Topic 7. Irrigation of canal root
- Topic 8. Filling of canal root
- Topic 9. Retreatment of endodontics failures
- Topic 10. Emergencies and endodontic pharmacology
- Topic 11. Endodontic surgery
- Topic 12. Complications and accidents in endodontics
- Topic 13. Restoring teeth with endodontic treatments.

#### Practice

- Preparation before practices (repairing material, technical doubts about treatments, checking previous diagnose tests?) (30 minutes)
- Clinical practice (patient's multidisciplinary treatment) (90 minutes)
- Conclusions and doubts in agreement with the teacher (10 minutes)

### 4.4. Course planning and calendar

#### Calendar of face to face sessions and presentations of works

- 1 hour of theory sessions a week.
- 2 hours of seminaries a week.
- 1,5 hours of clinical practice with patients a week.

Practices will start in February in the Odontology Practices Service of Zaragoza University and will last until May

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

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