

29322 - Conservative Odontology I

Syllabus Information

Academic year: 2023/24

Subject: 29322 - Conservative Odontology I

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

Degree: 442 - Degree in Odontology

ECTS: 6.0

Year: 3

Semester: First semester

Subject type: Compulsory

Module:

1. General information

Conservative Dentistry is the discipline that studies enamel, dentin and pulp disorders and their complications, as well as the clinical techniques aimed at healing and restoring them while preserving as much healthy dental tissue as possible. After completing the subject, students will understand the causes of loss of dental health by identifying the different types of dental pathology. They will also learn to apply the appropriate diagnostic methods for each pathology in order to establish an adequate therapeutic guideline and will become familiar with the clinical application of the materials used in dental surgery to reconstruct the initial morphology of the tooth, respecting its triple function (masticatory, phonatory and aesthetic). These approaches are aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda of United Nations, specifically, the planned learning activities will contribute to the achievement of Goal 3, Health and Well-Being (<https://www.un.org/sustainabledevelopment/es/>).

Basic knowledge of chemistry, physics and English is recommended, as well as computer skills.

It is advisable to have previous knowledge of Dental Anatomy, Dental Biomaterials and Ergonomics and Dental Radiology

2. Learning results

- Knows the aetiology, histopathology and prognosis of dental lesions of carious and non-carious origin and assesses the different pathologies affecting the pulp and periapical tissue.
- Adequately identifies and describes the symptoms of dental and/or periapical pathology referred by the patient;
- Compiles a complete dental record and establishes a general therapeutic guideline by applying the appropriate diagnostic methods.
- Establishes a differential diagnosis as well as a treatment plan;
- Evaluates by means of clinical examination and complementary tests, the signs of dental pathology; - Adequately assesses the requirements of the patient in relation to the proposed treatment.
- Specifies, adapted to the patient's characteristics (e.g. age, socio-cultural level), the benefits and risks of the proposed therapeutic act in order to obtain consent and meet the patient's expectations.
- Establishes the therapeutic sequence in case a multidisciplinary treatment is required and plans a work session in the dental office
- Learns to perform therapeutic procedures aimed at preserving, establishing or restoring the form, function and aesthetics of the teeth.
- Solves the diagnosed pathology by means of the pertinent conservative technique;
- Uses scientific methodology in the analysis of biological systems and biomedical problems.
- Acquires pre-clinical and clinical experience at the University, under appropriate supervision for the performance of basic dental pathology treatments based on the concept of minimal invasion.

3. Syllabus

BLOCK I. DENTAL PATHOLOGY

1. Concept of Dental Pathology and Therapeutics. Dental physiopathology.
2. Dental anomalies.
3. Caries: definition, pathophysiology, pathogenesis and aetiology.
4. Caries: classification and diagnosis. Treatment and prevalence.
5. Dental destructive processes.
6. Dental resorptions.
7. Dental colour alterations.

BLOCK II. DENTAL SURGERY

8. Diagnosis, clinical history and treatment planning.
9. Instruments in dental surgery and preparation of the operative field.
10. General concepts of cavity preparation in posterior teeth. Selection of the obturation material.
11. Optical properties of teeth.
12. Composite resin occlusal restorations.
- 13- Interproximal composite resin restorations.
- 14- Clinical attitude towards old restorative treatments.

The theoretical program will be complemented with practical laboratory and preclinical sessions.

4. Academic activities

Participative master classes: 24 hours.

The teaching material will be provided to the students in advance through the ADD.

Problem solving and case studies: 13.5 hours.

Case resolution sessions in the form of theoretical-practical workshops to deepen thematic areas of special interest.

Laboratory practices: 22.5 hours.

With mandatory attendance, they include the presentation of a portfolio of practices.

Study hours: 88 hours

Assessment tests. 2 hours

Group and individual work: To reinforce autonomous learning through monographic work in groups (or voluntary individual) within a reciprocal teaching methodology.

Tutoring: Face-to-face and non-face-to-face (telematically via e-mail or ADD).

5. Assessment system

1. Mixed system

- Theoretical part (40%)

Theoretical knowledge test (30%): 40 multiple-choice questions with 5 items with only 1 correct item with a value of 0.25 each (a minimum of 5 points is required to pass).

Group work on topics to be agreed upon with the teachers (10%).

- Practical part (60%).

The grade for this section is distributed as follows:

- 40% attendance to practices (completion of exercises, active participation in sessions and seminars); 20% evaluation of the practices portfolio.

In order to pass the subject it will be necessary to have passed the theoretical and practical parts separately.

2. Simple system

In case of non-attendance to class and more than 3 practical classes:

- Theoretical part (50%): Final comprehensive examination. It will consist of 40 multiple-choice questions with 5 items with only 1 correct answer with a value of 0.25 each (a minimum of 5 points out of 10 is required to pass).

- Final practical exam of the whole subject (50%).

It is necessary to pass the two blocks separately in order to make an average (a pass will be considered as a 5).

3. Voluntary individual written work

The final grade may be increased by up to 1 point, provided that the previous sections are passed separately.