

29332 - Prosthesis III

Syllabus Information

Academic year: 2023/24

Subject: 29332 - Prosthesis III

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

Degree: 442 - Degree in Odontology

ECTS: 6.0

Year: 4

Semester: First semester

Subject type: Compulsory

Module:

1. General information

The approaches and objectives of the subject will be to diagnose, plan and carry out a general multidisciplinary, sequential and integrated treatment. In particular, the dentist will be competent in the planning of the rehabilitation treatment by means of fixed dentures. The dentist will also be competent in the diagnosis and treatment of temporomandibular disorders, bruxism and other parafunctional habits.

It is recommended to have successfully passed the subjects of Prosthesis I and Prosthesis II in which the basic knowledge of occlusion applicable to fixed dentures should have been acquired.

These approaches are aligned with the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda. Specifically, the planned learning activities will contribute to the achievement of Goal 3, Health and Well-Being (<https://www.un.org/sustainabledevelopment/es/>).

2. Learning results

In order to pass this subject, the students shall demonstrate they have acquired the following results:

- Identify the symptoms referred by the patient with orofacial pain, temporomandibular joint disorders, bruxism and other parafunctional habits.
- Evaluate, by means of clinical examination and the corresponding complementary tests, the signs of craniomandibular dysfunction.
- Adequately describe 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 by means of the pertinent prosthetic technique.
- Describe the stages of a rehabilitative treatment using dentures, removable prostheses and prostheses on implants.
- Distinguish all those situations that due to their complexity cannot be treated by the student and know how to refer them to the corresponding specialist.
- Adequately assess the patient's requirements in relation to the proposed treatment in order to meet their expectations.
- Specify, 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.
- Elaborate an interconsultation document with the objective of obtaining the general medical information to be able to carry out the indicated treatment.
- Plan a work session in the dental office, according to the functions that belong to each type of professional (dentist, clinic assistant, administrative assistant).
- Establish the therapeutic sequence in case a multidisciplinary treatment is required. Identify and attend any dental emergency related to the field of prosthodontics.
- Prepare a monograph on one of the topics covered in the subject using the appropriate computer resources.
- Use scientific methodology in the analysis of biological systems and biomedical problems.

3. Syllabus

Theoretical content:

- Introduction to fixed denture prosthesis
- Diagnosis in fixed prosthesis
- Milling principles
- Restoration of the endodontic tooth
- Treatment plan and pre-prosthetic treatment
- Replacement of teeth by means of tooth-supported fixed prostheses

- Porcelain in fixed prostheses; veneers and inlays
- Prints
- Temporary prosthesis
- Tests
- Cementing and bonding
- Oral rehabilitation
- Aesthetics

Practical content:

- Production of temporary keys and milling keys
- Milling for metal, porcelain metal and porcelain crowns
- Bridge carving
- Prints
- Provisionals

Both the theoretical and practical content of the subject may be modified by the teacher if they deems it appropriate.

4. Academic activities

The learning process designed for this subject is based on the following:

Theoretical classes. The participatory master class will be used. Gamification can also be implemented in the classroom through kahoot sessions to enhance the teaching-learning process.

Practical classes. They will be developed in the preclinical classroom. These activities are focused on the acquisition of skills related to the development of the most common procedures in fixed dentures.

Individual work. It will consist of the defence of the diagnosis and integral treatment plan (with special emphasis on FP tooth supported) of a clinical case previously provided by the professor.

5. Assessment system

Evaluation criteria of the subject.

1. Theoretical test: Examination test with 50 multiple-choice questions with 5 items of which only one is correct. A minimum of 35 correct answers will be required to pass the exam (35 correct answers equals 5/10; 50 correct questions equals 10/10). It will correspond to 50% of the final grade.

2. Practical test: Each part of the practical content is evaluated independently. Lack of basic knowledge before starting the practices will be penalized. The practices related to the preparation of abutment teeth will be evaluated by the following percentages: : 25% reduction, 25% finishing line, 25% divergence, 25% edges and polishing. Unexcused absences are not allowed. It will correspond to 35% of the final grade.

3. Defence of an individual paper to be presented in class. The following will be valued: the content of the presentation (50%), design, quality of the presentation, adjusting to the allotted time... (25%) and the answers to the teacher's questions (25%). This section may be failed if the content of the presentation or the answers are clearly incorrect. It will correspond to 15% of the final grade.

In order to pass the subject, the student must pass the three tests independently.