

29347 - Orofacial Pain

Syllabus Information

Academic year: 2023/24

Subject: 29347 - Orofacial Pain

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: Optional

Module:

1. General information

The main objective of the subject is to provide the student with the basic general knowledge on which the treatment of orofacial pain is based. This will help students as professionals to diagnose and treat complex cases of orofacial pain that they may encounter in their daily clinical practice. Most of the clinical demands that the patients request in a dental office, are to solve problems of referred pain in the oral cavity.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the 2030 Agenda of the United Nations <https://www.un.org/sustainabledevelopment/es/>, so that the acquisition of learning results of the subject provides training and competence to contribute to some extent to their achievement:

Goal 3: Health and Wellness. Goal 4: Quality education.. Goal 5: Gender equality.

2. Learning results

The student, in order to pass this subject, will have to demonstrate the following results...

To know the physiological and pathophysiological mechanisms involved in orofacial pain. Identify the different types of pain and the diagnostic and therapeutic orientation of orofacial pain.

Know the mechanisms and models of pain of dental or intraoral origin, and its clinical and therapeutic considerations and use analgesic drugs in the treatment of pain effectively, safely and comfortably. Apply minimally invasive techniques in the treatment of orofacial pain.

Assess the experience and the moment in which a patient with orofacial pain should receive specialized treatment.

3. Syllabus

1. Neuroanatomy of orofacial pain
2. Neurophysiologic basis of orofacial pain: Nociceptors
3. Central processing of orofacial pain: Pain processing at brainstem and supraspinal level
4. Pathophysiology of inflammation and its relation to nociception
5. Neurogenic inflammation
6. Different presentations of pain
7. Definition of the problem of orofacial pain in the dental clinic
8. Classification by categories of orofacial pain
9. Pain of cutaneous, mucogingival and dental origin
10. Pain of muscular-skeletal origin, Introduction to Temporomandibular Dysfunction
11. Etiopathogenesis of temporomandibular Dysfunction
12. Interdisciplinary treatment of Temporomandibular Dysfunction
13. Principles of the diagnosis of neurovascular pain
- 14- Visceral pain
- 15- Vascular and neurovascular pain
17. Neuropathic pains
18. Pharmacological and non-pharmacological treatment of orofacial pain

4. Academic activities

Theoretical classes We will use the participatory master class will, since it is undoubtedly very appropriate for low cognitive level objectives.

Seminars. It will be used in the format of theoretical-practical workshops given by the teacher or by invited speakers to deepen the topics of special interest. The PBL technique will also be used in these seminars, in order to promote the participation and reasoning of the students on topics related to the subject.

Practical classes. These activities will bring the student closer to the daily clinical practice that they may encounter, when they become clinical professionals.

Group work. The work will include literature search and review, writing and oral presentation in the classroom.

5. Assessment system

1.- Final exam (60% of the grade):

The final evaluation test of the theoretical contents will be carried out by means of questionnaires including multiple-choice questions [n=15 (each teacher) x 3 (teachers) = 45 questions) and 2 open questions (each teacher). 30 correct questions are required to pass the exam. A partial exam may be taken, which will be eliminatory.

Partial exam: 3 midterms (20% each)

- 15 multiple-choice questions, subtracting the effect of chance (50%)

- 2 open-ended questions (50%)

In order to pass the test and therefore eliminate topics, at least 45% of the maximum grade must be obtained in each of the three parts of the test and also their arithmetic average must be at least 50% of the maximum grade.

2.- Evaluation of the practices (30% of the grade):

Active class attendance and participation and case studies uploaded to the ADD that students have to solve individually . Students who do not achieve a 5 in the evaluation of the practical activities or who have more than 2 absences will take a practical exam together with the final exam.

In order to pass the subject, it is mandatory to pass each part separately.