

**COURSE DATA****Data Subject**

Code	34715
Name	Oral surgery
Cycle	Grade
ECTS Credits	12.0
Academic year	2018 - 2019

Study (s)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Faculty of Medicine and Odontology	3	Annual

Subject-matter

Degree	Subject-matter	Character
1206 - Degree in Dentistry	18 - Oral surgery	Obligatory

Coordination

Name	Department
PEÑARROCHA DIAGO, MARIA	131 - Stomatology

SUMMARY

Oral surgery is a compulsory subject that belongs to the module of pathology and specifically dentistry therapy. In the Degree of Dentistry, it has been assigned 12 ECTS credits and has been given practical theoretical character with clinical practices.

It will be taught in the third year of the degree of Dentistry, having an important relation with the subjects of the previous course, specifically with the subjects of Pharmacology, Anesthesia and Reanimation and Surgical Pathology.

It is defined as "the subject that studies the indications of surgical therapeutics, medical-surgical materials, dentofacial radiological procedures and oral surgery techniques".

In this annual and compulsory core course, the Degree of Dentistry is intended to give the student of Dentistry a training and surgical knowledge of oral pathologies.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

1206 - Degree in Dentistry :

1210 - Grado de Odontología 2012 :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34702 - Psychology and communication

34703 - Biostatistics and public health

34696 - Human anatomy

34697 - Biology

34698 - Human physiology

34699 - Biochemistry

34702 - Psychology and communication

34703 - Biostatistics and public health

Other requirements

As preliminary requirements, the students must have knowledge in pharmacology, anesthesia and resuscitation, and surgery.

OUTCOMES

1206 - Degree in Dentistry

- Comprender las ciencias biomédicas básicas en las que se fundamenta la Odontología para asegurar una correcta asistencia buco-dentaria.
- Comprender y reconocer la estructura y función normal del aparato estomatognático, a nivel molecular, celular, tisular y orgánico, en las distintas etapas de la vida.
- Comprender y reconocer las ciencias de los biomateriales esenciales para la práctica odontológica así como el manejo inmediato de las posibles alergias a los mismos.
- Conocer de los procesos generales de la enfermedad, entre los que se incluyen la infección, la inflamación, las alteraciones del sistema inmune, la degeneración, la neoplasia, las alteraciones metabólicas y los desórdenes genéticos.



- Estar familiarizado con las características patológicas generales de las enfermedades y trastornos que afectan a los sistemas orgánicos, específicamente aquellas que tienen repercusión bucal.
- Comprender los fundamentos de acción, indicaciones y eficacia de los fármacos y otras intervenciones terapéuticas, conociendo sus contraindicaciones, interacciones, efectos sistémicos e interacciones sobre otros órganos, basándose en la evidencia científica disponible.
- Comprender y reconocer los principios de ergonomía y seguridad en el trabajo (incluyendo control de infecciones cruzadas, protección radiológica y enfermedades ocupacionales y biológicas).
- Conocer, valorar críticamente y saber utilizar las fuentes de información clínica y biomédica para obtener, organizar, interpretar y comunicar la información científica y sanitaria.
- Conocer del método científico y tener capacidad crítica para valorar los conocimientos establecidos y la información novedosa. Ser capaz de formular hipótesis, recolectar y valorar de forma crítica la información para la resolución de problemas, siguiendo el método científico.
- Obtain and elaborate a clinical history with relevant information.
- Saber realizar un examen bucal completo, incluyendo las oportunas pruebas radiográficas y de exploración complementarias, así como la obtención de adecuadas referencias clínicas
- Tener capacidad para elaborar un juicio diagnóstico inicial y establecer una estrategia diagnóstica razonada, siendo competente en el reconocimiento de las situaciones que requieran una atención odontológica urgente.
- Establecer el diagnóstico, pronóstico y una adecuada planificación terapéutica en todas las áreas clínicas de la Odontología, siendo competente en el diagnóstico, pronóstico y elaboración del plan de tratamiento odontológico del paciente que requiera cuidados especiales, incluidos los pacientes médicamente comprometidos (como diabéticos, hipertensos, inmunodeprimidos, anticoagulados, entre otros) y pacientes con discapacidad.
- Reconocer las situaciones de riesgo vital y saber hacer maniobras de soporte vital básico.
- Conocer y aplicar el tratamiento básico de la patología bucodentaria más habitual en pacientes de todas las edades. Los procedimientos terapéuticos deberán basarse en el concepto de invasión mínima y en un enfoque global e integrado del tratamiento bucodental.
- Saber planificar y realizar tratamientos odontológicos multidisciplinarios, secuenciales e integrados de complejidad limitada en pacientes de todas las edades y condiciones y de los pacientes que requieran cuidados especiales.
- Plan and propose appropriate preventive measures for each clinical situation.
- Adquirir experiencia clínica bajo la adecuada supervisión.
- Conocer la farmacología general y clínica en la práctica odontológica.
- Conocer las bases farmacológicas de las distintas técnicas anestésicas tanto locales como generales, así como el papel de la sedación y la anestesia general en el manejo del paciente odontológico.



LEARNING OUTCOMES

Upon successfully completing this module, the students should be able to:

1. Examine the oral cavity of the patient externally and internally.
2. Correctly and safely perform infiltration and local anesthesia of the nerve, with minimum risk for both the patient and the operator.
3. Establish an initial diagnostic opinion and define a reasoned diagnostic strategy, with the ability to recognize situations requiring urgent surgical care.
4. Establish an adequate surgical treatment plan reflecting understanding of the existing disease process and defining a foreseeable outcome.
5. Identify infectious, cystic and tumor pathology and treat it through surgery.
6. Establish a surgical treatment plan.
7. Communicate adequately with both patients and colleagues.

DESCRIPTION OF CONTENTS

1. THEORICAL CONTENTS

- UNIT I. Introduction to oral surgery
- UNIT II. Instrumental and surgical procedure in oral surgery
- UNIT III. Anesthesia in oral surgery
- UNIT IV. Exodontia
- UNIT V. Dental inclusions
- UNIT VI. Self-transplanting and reattachments
- UNIT VII. Soft tissues
- UNIT VIII. Periapical surgery
- UNIT IX. Odontogenic infection
- UNIT X. Surgical treatment of cysts and tumors.
- UNIT XI. Implantology

Each didactic unit is grouped by related contents, theoretical lessons and practices.

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Odontology practices	63,00	100
Theory classes	52,00	100
Laboratory practices	40,00	100
Classroom practices	25,00	100
Attendance at events and external activities	7,00	0
Development of group work	15,00	0
Development of individual work	9,00	0
Study and independent work	68,00	0
Readings supplementary material	7,00	0
Preparation of evaluation activities	7,00	0
Preparation of practical classes and problem	3,00	0
Resolution of case studies	3,00	0
Resolution of online questionnaires	1,00	0
TOTAL	300,00	

TEACHING METHODOLOGY

The face-to-face teaching modalities are taught in lessons that will be an oral exposition of a part of the subject. The lessons will have a duration time of 50 to 55 minutes, leaving the last minutes for questions of the students. In Oral Surgery, 46 lessons are taught in 52 hours. The theoretical classes will focus on providing the student information on how to treat the different pathologies that will be discussed throughout the subject. In these classes, clinical cases will be presented so that the student can understand these situations.

In practical face-to-face activities, the student acquires surgical skills and sees the reality of what has been explained in the theoretical classes. The practices are linked to the theoretical teaching throughout the course. Practical face-to-face activities will be distributed in practices in the laboratory and clinical practices with patients.

Practices in the laboratory will allow the student to acquire manual dexterity and surgical skills when working on phantoms in removable heads with erupted and included teeth. Biomaterials and practical activities on animal heads will also be used, where different surgical activities will be performed.

The clinical practices will take place in the dental clinic from the second floor, on Thursday mornings and Monday and Thursday mornings on the first floor. The students will assist the teachers and perform loco-regional anaesthesia procedures and simple extractions in patients. These practices allow the student to see the act performed by the teacher and observe the treatment that has been done to the patient, during the preclinical phase. After the student has approved a practical exam, he will be able to repeat these acts or techniques, always 1, until overcome certain skills the student goes on to imitate the act or technique, always controlled by the teacher.



EVALUATION

1. PRACTICAL EXAM

a. PRECLINIC

It will be held on Thursday morning in the last practice of the first semester. It will consist of three sections: a) knowledge of surgical instruments, b) anaesthetic material and procedure, and c) surgery and suture). The student must demonstrate his knowledge and ability in the simulation of an extraction on the phantom and the recognition of surgical instruments. The student must pass this exam before to perform clinical practices on patients.

Students who fail the exam will have to repeat it during the first practice of the second semester the exam for the non-approved ones will be repeated.

b. CLINICAL.

It will be held on Thursday mornings on the second floor. The value of this part will be 10% of the final grade. Daily, 1. practice with patients will be evaluated, 2. the practice book will be revised and 3. the student will answer to a brief questions from the practice book subject.

c. LABORATORY

They will be evaluated during practice by each teacher in charge according to a template. They will have a value of 10% of the final grade.

2. SEMINAR

They will be held on Monday mornings. In groups, students will make a 10-minute presentation on a topic chosen by the teacher and 5 minutes of discussion. The value will be 10% of the final grade.

3. FINAL THEORETICAL EXAM JUNE

Theoretical exam in June, 14 short questions of limited length will be asked. Classrooms 1 and 2 will be used.

4. FINAL NOTE

Practical activity: 30%. Theoretical exam: 70%. The final grade of the subject will be the addition of the theoretical note and the practical note.

SECOND CALL:

In July. The exam will be with 10 short questions of limited length. Classrooms 1 and 2 will be used.



REFERENCES

Basic

- Peñarrocha M, ed. Cirugía Bucal. Valencia: Promolibro; 2000. (ISBN: 84-7986-352-8)
- Peñarrocha M, Sanchis JM, Martínez JM. Anestesia local en Odontología Reedición: Barcelona, Ars Médica, 2006. (ISBN 84-9751-176-X).
- Peñarrocha M, ed. Implantología Oral. Barcelona: Ars Médica; 2001. Reimpresión en 2006. (ISBN: 84-95670-05-4).
- Peñarrocha MA, Peñarrocha M. Atlas Quirúrgico de Implantología Oral. Ergón. Madrid. 2013.(ISBN: 978-84-15351-75-7).
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