COURSE DATA

Data Subject	
Code	34715
Name	Oral surgery
Cycle	Grade
ECTS Credits	12.0
Academic year	2022 - 2023

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
PEÑARROCHA OLTRA, DAVID	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.

An internship will be carried out in the Interdisciplinary Simulation Center of Healt Sciencie of the University of Valencia.

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 withrelevant 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 multidisciplinares, 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

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The theoretical face-to-face teaching modalities are taught in lessons that are the exposition for a certain time of a part of the subject. The theoretical classes will focus on providing the student with the most information on where to obtain the necessary data to address the treatment plans for the pathologies that are going to be taught throughout the course. In them, clinical cases will be presented so that the student can understand these situations.

In the practical face-to-face activities, the student acquires surgical skills and practices what has been explained in the theoretical classes. The practices are coupled with theoretical teaching throughout the course. The practices will be distributed in classroom practices (first semester), laboratory practices (second semester), practices with simulators, and clinical practices with patients (throughout the entire course).

In classroom practices, the student has the surgical instruments to study and practice the incision and suture techniques on sponges and jaws of animals, as well as extractions on removable models.

The practices in the laboratory will allow the student to acquire dexterity and surgical skills by working on models hat simulate real clinical situations and can be placed in removable heads.

In practices with simulators students will intervene virtually clinical cases of anesthesia and implants.

In the clinical practices the students will assist the teachers in complex surgeries and will also perform locoregional anesthesia procedures and simple extractions.

EVALUATION

EVALUATION

PRACTICAL PRACTICAL EXAMS

There will be 2 preclinical examinations during the first semester on Thursday mornings in the general clinic in the first floor. In the first preclinical examination, knowledge of: 1) recognition and use of surgical instruments, 2) anesthetic material and procedure will be evaluated. Once this exam has been passed, the students will begin to anesthetize patients during clinical practices.

In the second preclinical examination, knowledge of: 3) simple extraction, 4) suture will be evaluated. Once this exam has been passed, the students will fully perform the simple tooth extraction procedures in clinical practice.

Students who do not pass these tests will make the recovery in the next clinical practice before the arrival of the patients.

PARCIAL THEORETICAL EXAM

Theoretical exam in January, with 10 short questions of limited length about the content of thematic units I-III.

If the student passes this exam with a grade greater than or equal to 5 out of 10, the content of these thematic units will not be examined in the final exam of the first call.

In case of not passing the partial exam, the student will have to do the final exam of the first call with all the content of the subject. The final exam for units I-III will consist of 5 short questions of limited length.

FINAL THEORETICAL EXAM FIRST CALL

A theoretical exam in May-June, with 10 short questions of limited length, on the content of thematic units IV-IX.

PRACTICAL EXAMINATION OF CLINICAL CASES

On the same day of the theoretical exam of the first call, a practical exam of clinical cases will be carried out with 5 short questions of limited length based on clinical cases or practical procedures illustrated with photographs or complementary examinations.

FINAL EXAM SECOND CALL

In the event that the student has not passed the final theoretical exam or the practical exam of clinical cases, they must do the second call exam. This exam will consist of 10 short questions of limited length about the theoretical content of the subject and / or about clinical cases.

FINAL NOTE

10% Preclinical practical exams

35% Theoretical exam units I-III

35% Theoretical exam units IV-IX

20% Practical examination of clinical cases

To pass the course they must independently pass all the theoretical and practical exams.

Attendance at all practices (clinics, classroom, laboratory, simulators) is mandatory. In case of not being able to attend, the student must be able to justify the absence. Only 2 unexcused absences per person will be admitted throughout the course to be evaluated for the subject.

Incorrect attitudes, social gatherings, lack of attention, messy image, lateness, inappropriate comments in front of the patient, as well as non-collaboration, can lead to expulsion from attending practices and would be considered as an unexcused absence.

REVIEW OF EXAMS

The coordinating professor of the subject will set days and times in advance for the review of exams.

Students are reminded of the great importance of carrying out evaluation surveys of all the teaching teachers of this subject

REFERENCES

Basic

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