

29317 - General Surgical Pathology II

Syllabus Information

Academic Year: 2020/21

Subject: 29317 - General Surgical Pathology II

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

Degree: 442 - Degree in Odontology

ECTS: 6.0

Year: 2

Semester: Second semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

The subject and its expected results meet the following approaches and objectives:

The objectives set to achieve with the development of this area are:

to publicize the pathophysiologic principles that are based surgical conditions and provide students with the necessary methods to acquire knowledge of common disease entities of Surgical Pathology.

In addition, the approach of this course students will be provided the necessary methods to learn and apply techniques to reduce or eliminate pain, both produced by diferentes surgical procedures such as that resulting from diseases of other etiology.

1.2.Context and importance of this course in the degree

The subject detro of Pathology and Therapeutic Medical Surgical General module fits to develop in the 2nd year and 2th semester of Degree of Dentistry, whose meaning is to provide students with the mediosnecesarios to know the most common disease entities of the General surgical pathology and Anesthesiology and resuscitation in particular.

The degree of knowledge regarding the above is expanded with the module of hospital practices

1.3.Recommendations to take this course

To take this course it is necessary that the student has studied the subjects developed in Module I and General Surgical Pathology I. It is recommended to have a sound knowledge of Anatomy and Physiology

To achieve the learning outcomes and skills development, students will have to attend and participate in at least 80% of the planned seminars and practical classes in the programming of the subject. attendance and participation at lectures to students is recommended. It is also advised that students see bibliography recommended by the teacher.

2.Learning goals

2.1.Competences

To pass the course, students will be more competent to ...

-Knowing the general processes of sick, heal and repair

Know and handle emergencies and more frequent medical emergencies in dental practices, especially in basic CPR techniques

-Knowing the essential elements of the dental profession, with special relevance of ethical principles and legal responsibilities.

-Apply the principles of controlling anxiety and stress, about oneself and the patient.

-Be able to acquire knowledge autonomously.

-Being able to perform teamwork

-Be able to handle information sources effectively, efficiently and critically.

- Knowing the scientific method and be able to use it.
- Being able to make a diagnosis trial and apply the appropriate therapeutic measures, making an effective differential diagnosis.

2.2.Learning goals

The student, for passing this subject, should demonstrate the following results ...

Distinguish normal from pathological, recognizing the signs and symptoms of the diseases under study
 Knowing and applying the principles that govern all surgical activity
 Understand the concepts of sterility to apply in the surgical field and in the proper use of surgical instruments.
 Collaborate with the surgeon, in patients whose conditions behave affectation or dental commitment

2.3.Importance of learning goals

Knowledge and ability to apply the principles that govern all surgical activity
 Knowing and applying methods and techniques to make the patient insensible to pain and protect against psychic and somatic aggression, before, during and after surgery
 Maintain vital functions in optimal conditions both diagnostic and therapeutic procedures and be able to resuscitate patients who are in critical condition.

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

The student must demonstrate that it has achieved the intended learning outcomes through the following evaluation activities

The student must demonstrate that they have achieved the expected learning outcomes through the theoretical exam. The theoretical exam is developed that is scored on 10 points.

Structure:

- * 10 test questions, with 5 answers, of which only one is true: blank answer has a value of 0
 - * Short questions, scored on 1 point each. Total 4 points.
 - * A development question, 3 points.
- Final score. It represents 80% of the final grade for the course. The remaining 20% is obtained through the practical exam.

To pass the course, it is mandatory:

- * Have obtained a 5 in the theoretical exam.
- * Have completed the surgical pathology practices.

Grading system.

The numerical rating will be expressed in accordance with the provisions of art. 5.2 of Royal Decree 1393/2007. Given the exceptional situation for this 2020/21 academic year:

- ? The entrance evaluation tests are proposed to be carried out in person.
- ? In the event that the health authorities, in accordance with the pandemic that is currently

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, laboratory sessions, and autonomous work and study.

4.2.Learning tasks

This course is organized as follows:

- **Lectures:** Theoretical program that the student is offered to help you achieve the expected results. Expository, explanatory and demonstrative sessions, by teachers, of the contents of the course using audiovisual and IT at the disposal of the Faculty of Health Sciences and Sport media materials. Presentation and discussion by students of a topical issue concerning one of the theory sections of the course. Students will complete and orally present a paper on a topic related to the course.
- **Laboratory session.** Knowledge of the surgical environment and handling of instruments for performing the four

basic surgical procedures: umlaut, dissection, excision, and synthesis.

- **Autonomous work and study.**

Given the exceptional situation for this 2020/21 academic year, the way of carrying out the diffe

1.- Online format through technologies that allow interaction (Google Meet type) in the following

? Type 1 teaching to be done in a full group (theory classes)

? Type 2 teaching to be done in a full group (problem solving and cases)

2. Face-to-face format in the following learning activities:

? Type 2 teaching with breakdowns in groups (problem solving and cases) of all the courses

? The practical teaching to be carried out in laboratories, sports facilities and SPO of all the c

4.3.Syllabus

This course will address the following topics:

I. Anesthesiology

- Topic 1. Introduction to the study of anesthesiology and resuscitation
- Topic 2. Types of local, regional and general anesthesia.
- Topic 3. Anesthetic Drugs. Antidotes. Accidents, complications, and treatment.
- Topic 4 Local anesthetics and auxiliaries.
- Topic 5. Ilocoregional anesthesia. Material. Methods.
- Topic 6. Complications and accidents of local and regional anesthesia.
- Topic 7. Treatment of postoperative pain. Prophylaxis and treatment

II. surgical infections:

- Topic 8. Concepts of surgical infection.
- Topic 9. Surgical Localized infections, abscesses, and boils
- Topic 10. Surgical generalized infection. Bacteremia.

III. Organ and tissue transplantation

- Topic 11. History and development of organ and tissue transplants.
- Topic 12. Types of Transplants
- Topic 13. Prevention and treatment of transplant rejection of organs and tissues.
- Topic 14. organizational and legal aspects of organ transplantation.
- Topic 15. Future of transplantation.
- Topic 16. Experimental models for the study of organ transplants.

IV. Osteoarticular surgical conditions

- Topic 17. Pathophysiology of bone tissue and bone.
- Topic 18. osteomyelitis. maxillary dental infections.
- Topic 19. Fractures. Production mechanism, pathology, diagnosis, and complications.
- Topic 20. Fractures. Fracture callus formation. Treatment.
- Topic 21. Pathophysiology articulate.
- Topic 22. joint trauma.
- Topic 23. Acute septic arthritis.
- Topic 24. degenerative arthropathy. loose bodies.

V. Otolaryngology

- Topic 25. Sinusitis: classification, clinical and treatment.
- Topic 26. Complications of sinusitis.
- Topic 27. naso sinus tumors benign and malignant.
- Topic 28. Focus septic Otolaryngology. Abscesses of the pharynx and neck.

VI Pathology of the circulatory system

- Topic 29. Arterial Pathology
- Topic 30. venous pathology. TVS and TVP

4.4. Course planning and calendar

Schedule sessions and presentation of works

- After each topic, the student will deliver the work on the developed material, which will be presented at the seminar for that block. It is anticipated that the first work should be presented in the 2nd week of March, the 2nd in the 1st week of April, the 3rd in the 1st week of May, and the 4th in the 4th week of May 2015.
- Laboratory practices, will be held in groups of 8 students in school hours designated for this purpose (see proposed by the Academic Dean of the Faculty of Health Sciences and Sport hours) and throughout the semester. Hospital practices will be conducted in groups of two students, in the morning, 9.00 to 15.00, on set days to complete 20 hours of hospital practices in Surgery and Anesthesiology Services of San Jorge Hospital in Huesca. Such practices will begin two weeks after the start of the lectures, to allow the student to have a minimum basis for understanding the actions and surgical procedures.

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sports Sciences website and Moodle.

<https://fccsyd.unizar.es/odontologia/grado-odontologia>

4.5. Bibliography and recommended resources

- Manual intensive care. Montejó, JC; Lorenzo García, A; Ortiz Leyba, C; Bonet, A. 3rd ed. Madrid: Elsevier. 2006.
- Compendium of surgery / H. Durán Sacristán ... [et al.]. [1st ed, 1st reim..] Madrid [etc.]: McGraw-Hill, D.L. 2003
- Treaty surgery: biological basis of modern surgical practice / [editor] Courtney M. Townsend, Jr.; [Associate editors] R. Daniel Beauchamp, B. Mark Evers, Kenneth L. Mattox. 19th ed. Amsterdam; Barcelona; Madrid [etc.]: Elsevier, D.L. 2013
- Treaty surgical / editor Courtney M. Townsend pathology; R. Daniel Beauchamp associate editors, Kenneth L. Mattox, B. Mark Evers; José Luis González Hernández translation ... [et al.]. 16th ed. Mexico: McGraw-Hill, imp. 2003
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- Surgery. digestive system, circulatory system, respiratory / directors apparatus, S. Tamames Escobar, C. Martínez Ramos; Contributors D. Sánchez de Vega and S. Tamames Gómez. Madrid [etc.]: Médica Panamericana, imp. 2000
- Orthopedics and traumatology. Silberman. Varona. 3rd Ed. Argentina. Pan American Ed. 2010
- Advanced Life Support polytrauma. Aguaviva Bascañana, JJ. 1st ed. Zaragoza: University Presses University of Zaragoza. 2003