

26720 - Surgical Diagnoses and Therapy Procedures

Syllabus Information

Academic year: 2023/24

Subject: 26720 - Surgical Diagnoses and Therapy Procedures

Faculty / School: 104 - Facultad de Medicina

Degree: 304 - Degree in Medicine

ECTS: 6.0

Year: 3

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

Students will learn the medical-surgical language and acquire the knowledge and skills necessary to provide care to a patient with surgical pathology.

The specific objectives are:

1. Access to early diagnosis of the most frequent diseases susceptible to surgical treatment.
2. To know the basis of surgical indications, developing their ability to critically discern the most appropriate therapeutic alternatives for each patient.
3. To understand the biological and technical fundamentals of surgical treatment and its impact on the pathophysiology and the sick person as a whole.
4. To develop their ability to use surgical information sources, learning also to assess the indexes of outpatient and inpatient care and the management of available resources.

Approaches and objectives aligned with the SDGs of the United Nations 2030 agenda (<https://www.un.org/sustainabledevelopment/es/>). The acquisition of the subject learning results provides training and competence to contribute to their achievement.

Goals 3 Health and wellness. Goal 4: Quality Education.

2. Learning results

The student should have acquired enough fundamentals to be able to correctly perform an anamnesis, assess the semiology and complementary tests of the most common surgical processes.

To know how to request and interpret the most relevant complementary tests in each patient, both those that are essential for diagnosis (imaging tests, analytical determinations, etc.) and those essential to assess the surgical risk, guided at all times by ethical criteria of efficacy, efficiency and economy.

Know how to request and guide the general preoperative study and the specific studies required by the patient or the disease they suffer and the type of intervention they will undergo.

To know the general functioning of a surgical service and to know how to assess the type of relationships that should exist between the staff, patients, relatives and other services.

To know how to explain to patients the procedures they are going to undergo, detailing the informed consent To learn how to behave appropriately in the operating room and hospitalization area, know the techniques of asepsis and antisepsis.

To understand the basic handling of surgical instruments and mechanical and electromedical instruments used in surgical procedures.

To know the fundamentals and practice of aesthetic techniques, monitoring of constants during surgery and postoperative period, fluid therapy, vascular and airway access routes

Surgical wound management, wound closure techniques, healing of complicated wounds.

Training to solve clinical problems related to surgery, assessment of the patient as a whole, complications of surgery, prevention, early diagnosis and treatment

Knowledge of the different surgical specialties

3. Syllabus

Theoretical classes

1-History

2-Asepsis, antisepsis, operating room block

3-General, regional, local anaesthesia

- 4-Hemostasis, haemorrhage control
- 5-Preparation for surgery, surgical risk
- 6-Pre- and postoperative care
- 7-General surgical technique
- 8-Spectrum of surgery (MAS, Minimally Invasive)
- 9-Nutrition of surgical patients
- 10-Biological response to aggression
- 11-Shock
- 12-Contusions, injuries
- 13-Special injuries
- 14-Injuries due to explosions, crushing
- 15-Burns
- 16-Cold injuries
- 17-Polytraumatized
- 18-Damage control surgery
- 19-Plastic surgery
- 20-Surgical infection
- 21-Local infection
- 22-Remote infection
- 23-Serious soft-tissue infections
- 24-Surgical Oncology
- 25-Breast cancer
- 26-Soft tissue tumours
- 27-Transplants
- 28-Research

Seminars/workshops

- 1- Operating rooms
- 2-Wound management
- 3-Airway
- 4-Anesthesia procedures
- 5-Hemorrhage control

4. Academic activities

Face-to-face activities (45% of assigned time)

1-Large group activities: Theoretical classes (28 topics): **32 h.**

Taught by teachers of the Department. The theoretical classes will be repeated in both groups.

2-Small group activities:

- Clinical practice: 12 h.
- Seminars and workshops: 12 h.
- Personal or group tutoring at the students' request 6 h.
- Evaluation: 6 h.

Non-face-to-face activities (55% of assigned time)

-Student work in preparation for the subject or seminars/workshops

During the term there will be activities related to the subject but outside the program (organized by the student delegation and the Department of Surgery)

5. Assessment system

Final exam in morning or afternoon time slot

Multiple choice exam (40 questions, 5 possible answers, one valid, no penalty for failed questions) It is necessary to pass 70% of the questions to pass the subject

Grading from 0 to 10 points

Exam dates: Web of the centre: <https://medicina.unizar.es/tercer-curso#horario5>
Attendance to small group activities (clinical practices and seminars) is mandatory