

68413 - Oncological surgery

Syllabus Information

Academic year: 2024/25

Subject: 68413 - Oncological surgery

Faculty / School: 104 - Facultad de Medicina

Degree: 530 - Master's in Introduction to Medical Research

ECTS: 5.0

Year: 1

Semester: Second semester

Subject type: Optional

Module:

1. General information

Oncological surgery will be seen from 5 approaches: Diagnostic surgery, Representative surgery, Palliative surgery: that in which the tumor is removed and complications generated by it are resolved. Reconstructive surgery.

Oncological clinical research constitutes one of the preferential lines in medical research, the main objective is: To establish and develop the bases of surgical oncology allowing the student, at the end of it, to understand, propose and develop clinical and research studies.

These goals are aligned with the following SDGs of the United Nations 2030 Agenda Goal 3 (Goal 3.D Strengthening health risk management), Goal 4 (Goal 4.7 Promote Global Education for Sustainable Development) and Goal 16 (Goal 16.10 Access to information and fundamental freedoms).

2. Learning results

By passing the subject, the student will be more competent to,

- Propose oncological surgical treatments consistent with: staging and prognostic factors and appropriately
- to specific and protocolized healthcare resources.
- Correctly and critically analyze the methodology, results and conclusions of clinical trials in
- Oncologic surgery.
- Critically analyze the methodology and results of publications in relation to Oncological Surgery.
- Understand, justify and propose guidelines, methods, protocols for early diagnosis and screening of certain
- tumors.
- Base a research project in Surgical Oncology
- Highlight technological developments and latest advances in the perioperative management of cancer patients.

The student, to pass this subject, must demonstrate the following results:

- Being able to unequivocally understand the fundamentals of oncological surgery in the general context of oncological research and therapeutics.
- Justify the proposition and/or choice of various surgical options in the design of therapeutic protocols in Oncology.
- Carry out a critical analysis of the place that surgical oncology would occupy in the design and results of Clinical Trials in Oncology.
- Analyze the options raised in clinical research for minimally invasive image-guided surgery in surgical oncology.
- Analyze the options raised in clinical research for minimally invasive image-guided surgery in surgical oncology.
- Develop a preliminary Clinical Research Project in Surgical Oncology

3. Syllabus

1. Bases of Surgical Oncology
2. The Multidisciplinary Team
3. Extra-abdominal Surgical Oncology
4. Abdominal Surgical Oncology
5. Current state of research in Surgical Oncology. Outstanding Research Centers.
6. Research Proposal. How to develop a scientific project in Oncological Surgery.
7. Role of Surgery in the latest advances in the management of cancer patients.

4. Academic activities

The calendar of the subject will be determined by the academic calendar of the center.

Planned activities:

Master classes:

Theoretical content will be taught, as well as the approach and discussion of clinical problems. It will take place during the second semester of the course, in the afternoon.

The start and end dates of the classes and the evaluation tests will be those set in the Master's calendar for Initiation to Research.

5. Assessment system

Each student must complete and submit a 4-6 page paper, in PDF format, in relation to a scientific article on oncological surgery or surgical oncology in any of its aspects, including image-guided minimally invasive surgery and which would include a critical analysis of the following points: objectives, general methodology, analysis of results and personal assessment. This work will be discussed in person or virtually with one of the professors. The date of this presentation will be agreed at the end of the course.

6. Sustainable Development Goals

3 - Good Health & Well-Being

4 - Quality Education

10 - Reduction of Inequalities