

68413 - Oncological surgery

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	353 - Master's in Introduction to Medical Research 530 - Master's in Introduction to Medical Research
ECTS	5.0
Year	---
Semester	Indeterminate
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

This course aims to introduce the student in the critical analysis of what clinical and research represent, the principles and foundations of surgical oncology and minimally invasive oncological and image guided surgery in the field of cancer therapy in general and in breast cancer in particular.

1.2.Recommendations to take this course

This is an optional subject of the second semester of the Master, which aims to introduce the student in the critical analysis of what represents in clinical and research, the principles and foundations of surgical oncology and oncological surgery, in the field of therapeutics Cancer in general and breast cancer in particular.

1.3.Context and importance of this course in the degree

To allow the student at the end of the same, understand, propose and develop clinical and research studies related directly or indirectly to surgical oncology.

1.4.Activities and key dates

FINAL EVALUATION: May 3: 4 pm

Course 2016- 17. Faculty of Medicine Edificio B. Classroom nº 4.. 16-18h.

Calendar: THURSDAY: 1, 8, 15, 22 March 29- 12, 19, 26, April-3, May

Symposium with preliminary exposition of works: April 12

FINAL EVALUATION: May 3: 4 pm

2.Learning goals

2.1.Learning goals

68413 - Oncological surgery

The student, to overcome this subject, must demonstrate the following results ...

Be able to unequivocally understand the fundamentals of oncologic surgery in the general context of cancer research and therapeutics.

To justify the proposition and / or choice of different 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.

To analyze the options proposed in clinical research for minimally invasive image guided surgery in surgical oncology.

To analyze the options proposed in clinical research for minimally invasive image guided surgery in surgical oncology.

2.2.Importance of learning goals

It allows to know and to base in a scientific and rational way, the principles of the Surgical Oncology, insufficiently developed in previous studies of Bachelor / Degree, as fundamental variable in clinical investigation in Oncology, and that usually is contemplated and weighted of little convincing way in coadjuvant therapeutic protocol, analysis of results and in the proposition of clinical trials and other epidemiological methods of clinical research.

3.Aims of the course and competences

3.1.Aims of the course

The subject and its expected results respond to the following approaches and objectives:

It is constituted by the integration of two thematic and conceptual blocks: principles and foundations of Oncology surgery and Breast surgery.

Taking into account that clinical oncological research constitutes one of the preferred lines in medical research, the main objective of the subject would be: "To base and develop the foundations of surgical oncology, insufficiently considered in the undergraduate / Medicine, allowing the student at the end of the same, understand, raise and develop clinical and research studies related directly or indirectly to cancer surgery.

Specific objectives:

- * To know the principles and Fundamentals of Oncologic Surgery
- * Understand the place of Oncology Surgery in the general context of the analysis of results, and its inclusion in the Clinical Trials approach.
- * To learn tumor staging and its application of protocols and guidelines of clinical practice and the criteria of possible inclusion in clinical trials, all in the context of the Hospital Tumor Commission.
- * Design clinical research projects in Oncology Surgery.
- * To know and apply the knowledge and evidences in Sentinel node surgery, Neoadjuvant QT, Extended surgery, prophylactic surgery, early diagnosis and "minimal" surgery, Palliative surgery, Metastasis surgery.
- * To know the methodology of early diagnosis and clinical diagnosis in breast cancer.
- * To base surgery on: non-palpable breast lesions; Early diagnosis, carcinoma in situ, axilla (-)
- * Establish "conservative" breast surgery, surgery after neoadjuvant QT, the actual significance of the sentinel node, prophylactic surgery.
- * To know the different techniques and indications of breast oncoplastic surgery
- * To know the diagnostic and therapeutic offer of minimally invasive surgery guided by image (CMIGI) in oncology.
- * To know and discuss the indications and contraindications of these techniques: clinical benefit and therapeutic repercussion in cancer patients.

3.2.Competences

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

1. To propose oncological surgical treatments consistent with: the staging and prognostic factors and with adequacy to the specific and protocolized care resources.

68413 - Oncological surgery

2. To analyze correctly and with critical sense the methodology, results and conclusions of the Clinical Trials in Oncologic Surgery.
3. Critically analyze the methodology and results of publications in relation to Oncologic Surgery.
4. Understand, justify and propose guidelines, methods protocols for early diagnosis and screening of certain tumors.
5. To base a research project on Surgical Oncology

4. Assessment (1st and 2nd call)

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

The student must demonstrate that he / she has achieved the expected learning outcomes through the following assessment activities

Participation: It will be related to the degree of attendance and level of participation in the discussions and directed debates raised in class.

Guided work: Critical analysis of an Article in relation to research in surgical oncology and / or oncologic surgery, published in the last year in a relevant surgical or oncological journal, in which the following aspects will be evaluated: Article reference, Type of study, analysis of results and final critical analysis.

Evaluation / Objective Final Test: 20 test questions with 4 answers and a single valid answer regarding conceptual theoretical questions or clinical cases of surgical oncology in relation to the Program and contents of the Subject, without penalty of incorrect answers.

The last day of class of the Subject will be held, in the schedule of the last class.

Grading System

EVALUATION: Participation / Involvement (No attendance: 0; No justified attendance: 5; Attendance: 10): 30%. Work: 20% + 10%. Exam 40%.

5. Methodology, learning tasks, syllabus and resources

5.1. Methodological overview

The course has a predominantly applied orientation so that the teaching and learning tasks range from the implementation of a number of fundamental principles of oncological surgery and surgical oncology, to concrete cases in the field of clinical practice, notarization and/or clinical research.

5.2. Learning tasks

The course includes the following learning tasks:

- Theory and practice sessions: Each topic of the syllabus will be presented, analyzed and discussed by the teacher for 55 minutes:
 - o - Formal and structured presentation of the state of the question: 15 minutes.
 - o - Presentation of a specialized scientific article or newspaper or protocol: 10 minutes.
 - o - Group discussion: 20 minutes
 - o - Conclusions: 10 minutes
- Guided assignment: Each student must prepare and present before the day of the final evaluation, a supervised work with an extension of 4-6 pages, in PDF format. It should be related to a scientific article about cancer surgery

68413 - Oncological surgery

or surgical oncology, including minimally invasive surgery image-guided and include a critical analysis of the following points: objectives, general methodology, analysis of results and personal evaluation.

5.3.Syllabus

The course will address the following topics:

- Topic 1. Oncological Surgery and Surgical Oncology
- Topic 2. Fundamentals of Surgical Oncology at the beginning of the 21st century
- Topic 3. Analysis of what is researched and published in Surgical Oncology
- Topic 4. Bases and objectives of Surgical Oncology
- Topic 5. Paradigms of surgical oncology in the 21st century
- Topic 6. Surgical Oncology Research
- Topic 7. Specific Aspects of research in surgical oncology
- Topic 8. Current status of cancer surgery in breast cancer

5.4.Course planning and calendar

Timetable

- THURSDAY: 1, 8, 15, 22 March. 12, 19, 26 April. 3 May. From 16 to 18h.
- Location: Room N° 4

Provisional course planning

- 1 March: Presentation, Bases of surgical oncology in the 21st c., Assignment/tasks distribution. Dr. José M. Miguelena
- 8, 15, 22 March: Paradigms of Surgical Oncology. Progress. Surgical Oncology Research.
- 12 April: Student Symposium / Presentation and assignment discussion. Dr. J.M^a Miguelena
- 18, 26 April: Breast cancer. Dr. Antonio Guemes
- 4 May: Exam / Survey / Assignment submission

5.5.Bibliography and recommended resources

PUB MED

EMBASE

COCHRANE