



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Oncology B

2425-6-H4101D335-H4101D222M

Aims

The course aims to bring the student to have the necessary tools and notions to proceed to a correct clinical diagnosis of the different oncological pathologies, to arrive at an adequate differential diagnosis between the different pathological entities and to lay the basis for a correct indication of oncological medical therapy and the diagnostic-therapeutic (and non-diagnostic) course by providing the technical and strategic tools for the treatment of the different oncological pathologies.

The knowledge provided in the course will enable the student, to have a clinical and practical basis for understanding pathologies of oncological interest including through direct clinical evaluation and with discussion of paradigmatic clinical cases.

The course also aims to implement skills to foster a multidimensional clinical approach according to a comprehensive view of the concept of health, promote awareness of gender differences in the medical-surgical field.

Contents

1. Prostate cancer
2. Metastatic breast cancer
3. NSCLC lung cancer
4. Concurrent care

Detailed program

In Year VI, the following topics will be covered:

1. Prostate cancer: screening, staging indications, synergy with Primary Care Medicine, treatment of endocrine-sensitive and endocrine-resistant cancers, main side effects of oncology drugs - didactic delivery (2 hours, frontal lecture with urologist) + distance education (2 hours, webconference with General Practitioner, ATS Manager of screening programs)
2. Metastatic breast cancer: therapeutic algorithm in different subtypes, side effects of the main molecularly targeted drugs, the role of the multidisciplinary team in metastatic disease, preservation of fertility - didactic delivery (2 hours, frontal lecture with pharmacologist), didactic delivery (2 hours, with discussion of peculiar clinical cases for side effects and therapeutic decisions (oncologist + branch specialists) - didactic interactive (1 hour, presentation by students of a research paper on one of the topics covered in didactic delivery) one of the topics covered in didactic delivery)
3. NSCLC lung cancer: the role of the oncologist in the multidisciplinary team, the role of liquid biopsy, drugs used in oncogene-addicted and nononcogene-addicted cancers, main side effects, synergy with radiation oncologist and thoracic surgeon, multidisciplinary management in the advanced stage of disease, the role of concurrent care - didactic delivery (1 hr) + distance education (1 hr, web participation in Wednesday multidisciplinary discussion)
4. Simultaneous care: the role of the oncologist in supportive care and the decision-making profile in activating simultaneous care in patients with solid malignancies-delivered didactics (1 hr lecture) - interactive didactics (oncologist and palliativist physician speak).

Prerequisites

The student should be familiar with the epidemiology, staging and guidelines major cancers. The fundamentals of medical pathology and imaging techniques as well as the physical principles of radiation treatment and the basics of pharmacology should be acquired beforehand.

Teaching form

12 hours of in-person teaching

Textbook and teaching resource

DeVita, Hellman, and Rosenberg's Cancer: principles & practice of oncology ediz. 2023 and in electronic format: AIOM Guidelines 2023 for each pathology covered.
ESMO Guidelines 2023
Slides projected during the lectures.

Semester

Sixth year, I semester.

Assessment method

see Syllabus of the Course

Office hours

By appointment.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
