

ONCOLOGIA CLINICA (MG0157)

1. language

Italian.

2. course contents

Coordinator: Prof. GIAMPAOLO TORTORA

Year Course: V

Semester: II

UFC: 11

Modules and lecturers:

- ANATOMIA PATOLOGICA (MG000027) - 1 ufc - ssd MED/08

Prof. Guido Rindi, Gian Franco Zannoni, Francesco Pierconti, , Riccardo Ricci

- CHIRURGIA GENERALE (MG000026) - 1 ufc - ssd MED/18

Prof. Roberto Persiani, Alberto Biondi, Roberta Menghi, Giuseppe Quero

- DIAGNOSTICA PER IMMAGINI (MG000028) - 1 ufc - ssd MED/36

Prof. Brunella Barbaro, Riccardo Marano, Luigi Natale, Paolo Belli, Anna Rita Larici, Laura Maria Minordi, Evis Sala, Anna D'Angelo, Riccardo Manfredi

- MEDICINA PALLIATIVA (MG0312) - 1 ufc - ssd MED/06

Prof. Graziano Onder, Christian Barillaro, Giuseppe Ferdinando Colloca, Maria Adelaide Ricciotti

- ONCOLOGIA MEDICA (MG0307) - 3 cfu - ufc MED/06

Prof. Giampaolo Tortora, Emilio Bria, Alessandra Cassano, Roberto Iacovelli, Lisa Salvatore, Giovanni Schinzari

- ONCOLOGIA MEDICA TIROCINIO PROFESSIONALIZZANTE (MG0321) - 2 cfu - ufc MED/06

Prof. Anna Rita Alitto, Cinzia Bagala', Michele Basso, Giuseppe Ferdinando Colloca, Fabio Marazzi, Armando Orlandi, Carmelo Pozzo, Michela Quirino, Antonia Strippoli, Luca Tagliaferri, Valeria Masiello

- RADIOTERAPIA (MG0310) - 2 ufc - ssd MED/36

Prof. Maria Antonietta Gambacorta, Francesco Deodato, Francesco Cellini, Gian Carlo Mattiucci

3. bibliography

Manuale di Oncologia Medica - a cura del COMU (Collegio Oncologi Medici Universitari) -Edizioni Minerva Medica (II Edizione) 2022

Bianco A.R., De Placido S., Tortora G., Conte P.F.; Core Curriculum ONCOLOGIA MEDICA, Mc Graw Hill 2a ed

DeVita - Hellman - Rosenberg - Lawrence ; DeVita, Hellman, and Rosenberg' s Cancer - Principles and practice of oncology. Wolters Kluwer, 2022

V.Donato, S.Ramella, V.Tombolini, V.Valentini. Radioterapia oncologica. Nuove strategie. Antonio Delfino Editore, 2023

Perez and Brady's Principles and Practice of Radiation Oncology 7a ed, Wolters Kluwer, 2018

Suggested for in-depth study

Husband and Reznick's Imaging in Oncology CRC press, 2020.

Turriziani A, Zaninetta G, Il mondo delle Cure Palliative – Manuale per giovani medici, II Edition, Esculapio 2020

4. learning objectives

The Course of Clinical Oncology aims as a general educational objective to integrate and expand knowledge and skills in the identification of risk factors, diagnosis, treatment (radiotherapy and chemotherapy), prevention and management of major human malignancies, as well as knowledge of pain therapy and palliative care.

Specifically, the specific educational objectives of the teaching can be declined as follows (according to the 5 Dublin Descriptors):

Knowledge and understanding (Dublin 1): By the end of the course, the student should demonstrate solid knowledge of the etiopathogenesis, risk factors, symptomatology, diagnostic workup (pathology and imaging), integrated treatment by surgery, radiotherapy, therapeutic agents (chemotherapy, target therapy immunotherapy), multidisciplinary team approach, prevention and management of the major malignancies in humans, as well as pain management and palliative care.

Applying knowledge and understanding (Dublin 2): Upon completion of the course, the student should be able to recognize early semeiology of the major malignancies of man, know how to apply the principles of prevention of major malignancies, identify the principles of integrated treatments in the various stages of malignancy, multidisciplinary approach to the entire diagnostic and therapeutic clinical path, apply the fundamentals of palliative and pain therapy, and know how to solve the most common clinical oncological problems.

Making judgements (Dublin 3): Upon completion of the course, the student will be able to solve the most common oncology clinical problems.

Communication skills (Dublin 4): Upon completion of the course, the student will be able to communicate effectively with the patient with malignancy, family members, caregivers, and other health professionals and caregivers by modulating the language and terminology used according to the context and the interlocutor.

Learning skills (Dublin 5): At the end of the course, the student, based on the cultural elements acquired, should be able to expand his or her knowledge and update himself or herself by drawing independently on texts, scientific articles and online platforms.

5. PREREQUISITES

Knowledge of normal human anatomy and medical pathology with emphasis on pathophysiological and biomolecular processes underlying the development of malignancies.

6. teaching methods

Frontal and small group lectures.

Professionalizing practical activity at the bedside of the patient.

7. other informations

Information provided by lecturers: a detailed schedule of all activities is provided at the beginning of the course.

All lecturers receive at the end of class. Prof. Tortora also receives on Wednesday mornings from 8 a.m. to 9 a.m.

8. methods for verifying learning and for evaluation

Verification of learning of practical skills with involvement of mentors.

Final verification with oral examination. Grading is in thirtieths.

The student can aspire to the highest grade (30/30) if in the final examination he/she demonstrates that:

- have acquired the knowledge and skills provided by the course according to the training objectives specified above;
- be able to apply the acquired knowledge and skills to a concrete clinical case;
- be able to integrate knowledge and make judgments about a clinical case on the basis of limited or incomplete information, including reflection on the social and ethical responsibilities (especially in terms of critical and end-of-life decisions) related to the application of his or her knowledge and judgments;
- know how to express themselves clearly and unambiguously, using correct terminology.

Praise is awarded, to the student who has expounded the required topics with absolute precision and particular confidence and brilliance.

9. program

General Concepts

- Epidemiology and Mortality;
- Risk Factors;
- Screening and Early Diagnosis;
- Biological basis of medical therapy;
- Antineoplastic drugs and drug resistance;
- Principles of radiation therapy;
- Decision-making in diagnostic-therapeutic practice;
- Integration of Pathology, Imaging, Surgery, Radiation oncology and drug therapy.
- History and cultural development of Palliative Medicine;

- Continuity of care and the sites of palliative care;
- The holistic process and the relational sphere;
- The dying process and bereavement;
- Role of the tumor board and PDTAs.
- Principles of artificial intelligence in oncology

Clinic, diagnosis and therapy

- Neoplasms of the cervicofacial district;
- Lung cancer;
- Breast cancer;
- Tumors of the gastrointestinal and hepatobiliary systems;
- Tumors of the urinary tract and prostate;
- Tumors of the testis;
- Melanoma;
- Sarcomas of bone and soft tissue;
- Thyroid cancer;
- Paraneoplastic syndromes;
- Assessment and treatment of cancer pain and clinical problems in the terminal patient;
- Quality of life assessment tools;
- Critical end-of-life decisions;

Integrated lectures.

- Compressive syndromes;
- Emergencies in oncology.