UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Malattie del Sangue B

2425-3-H4101D260-H4101D064M

Aims

The aim of the course, organized in two modules (A and B) is to take the student to use the knowledge of Anatomy, Physiology, Biochemistry and others basic disciplines in dealing with organ and/or apparatus pathologies; to be able to critically evaluate the commonly used diagnostic methods in medical practice; to recognize the signs and symptoms of major diseases, to understand the results of laboratory and instrumental tests and to know the pathogenesis and prognosis of the handled diseases.

Contents

Etiology, anatomical and clinical characteristics of the main hematological (anemia, leukemia, lymphomas, myeloproliferative syndromes, coagulopathy). Interpretation of clinical signs and laboratory information for diagnosis; Including NGS techniques. Main therapeutic programs in hematology based on evidence.

Detailed program

Acute myelogenous leukemia – Acute Lymphoblastic Leukemia - Chronic myeloid leukemia - Chronic lymphocytic leukemia - Polycythemia Vera - Myelofibrosis - idiopathic thrombocythemia - lymphoma non-Hodgkin - Hodgkin's lymphoma - myeloma and monoclonal gammopathy - pathophysiological mechanisms of coagulation and laboratory diagnostic methods - clinical signs of bleeding and thrombotic disorders - Thrombocytopenia and platelet - congenital coagulopathy: hemophiliac - Coagulopathies acquired - platelet transfusions - Oncemopathic Therapy Elements - Autologous and Allogene Peripheral Stem Cell Stem Cell Transplantation.

Knowledge of the basis for statistical analysis and data presentation in clinical research, as well as the necessary independence between those who evaluate and prescribe drugs and those who sell them.

Knowledge of the psychological basis to approach the hematological patient.

Prerequisites

See "Patologia medico-chirurgica 3"

Teaching form

Frontal lessons, with audio-visual aids and open discussion in the classroom, practice in smaller groups (1-2 students) in outpatient clinics, wards and operating rooms.

Textbook and teaching resource

- Giuliani, Olivieri. *Ematologia; 2020*; Editore Idelson Gnocchi.

- DeVita, Hellman, and Rosenberg's. *Cancer: Principles & Practice of Oncology*, 12th Edition, 2023, Wolters & Kluwer.

- Howard Brody. *HOOKED: Ethics, the Medical Profession, and the Pharmaceutical Industry*; Editore: Rowman & Littlefield Publishers, Inc.; Anno edizione: 2007; ISBN-10: 0742552187; ISBN-13: 978-0742552180.

- Carlo Gambacorti-Passerini, Stefania Luciani; *Tu sarai la prima. Una corsa contro il tempo, una nuova terapia, un incontro eccezionale*; Editore: Ledizioni; Anno edizione: 2019; ISBN cartaceo: 9788867059263; ISBN ePub: 9788867059706.

- Carolina Mercurio, Valeria Nardilli. *Vita e sVita "...all'ultimo passo, la salvezza";* Libellula Edizioni. (copy present in "Malattie del Sangue A" section for the exclusive use of students of the PMC3 course)

Semester

second semester

Assessment method

The assessment of achieved objectives will be verified usually with written tests and oral exam. 36 single-answer questions with 4 answers of which only one exact and oral exam. The student who passes the written test (minimum 22/36) is admitted to the oral test.

In exceptional cases:

- computer problems
- number of registered students less than 5
  the exam will be entirely oral.

Office hours

Contact the Professor by e-mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING