UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Haematologic Disorders

2223-3-H4601D013-H4601D036M

Aims

EMATOLOGY

Hematological disorders: classification and clinical characteristics of anemia, leukemias, myelodysplastic syndromes and lymphomas.

Contents

The course aims to provide students with the tools necessary to understand the main medical, cardiological and haematological conditions, in order to complete the medical education of future dentist graduates.

Detailed program

Hematology - Detailed program

Morphology, phyisiology and physiopathology of the blood and the bone marrow; hematopoietic stem cells; anaemias; thrombocytopenias; main clonal disorders, such as: acute myeloid leukemias, myelodysplastic syndromes, chronic myeloid leukemia, acute lymphoblastic leukemia, chronic lymphocytic leukemia, main Philadelphia-negative myeloproliferative disorders, main monoclonal gammopathies, Hodgkin and non-Hodgkin lymphomas.

- Anaemias: causes, symptoms and signs.

Leucemie acute mieloidi: molecular mechanisms, symptoms, signs, prognosis, evolution.

- Myelodysplastic syndromes: molecular mechanisms, symptoms, signs, prognosis, evolution.

- Leucemia mieloide cronica: molecular mechanisms, symptoms, signs, prognosis, evolution, role of targeted therapies in the treatment of LMC.

- Acute lymphoblastic leukemia: molecular mechanisms, symptoms, signs, prognosis, evolution.

- Chronic lymphocytic leukemia: molecular mechanisms, symptoms, signs, prognosis, evolution.

- Main Philadelphia-negative myeloproliferative disorders: polycythaemia vera, essential thrombocythemia, idiopathic myelofibrosis: molecular mechanisms, role of JAK2, MPL and CALR; symptoms, signs, prognosis, evolution.

- Main monoclonal gammopathies: multiple myeloma and MGUS; molecular mechanisms, symptoms, signs, prognosis, evolution.

- Hodgkin and non-Hodgkin lymphomas: molecular mechanisms, symptoms, signs, prognosis, evolution, main differences.

Prerequisites

Completion of the examinations of the second year courses

Teaching form

Lesson in attendance, subject to any ministerial changes following the COVID pandemic situation.

Textbook and teaching resource

Harrison –Principles of internal medicine

Semester

Second semester

Assessment method

Assessment method: multiple-choice test plus a single, written open question. The oral exam will be optional, at the discretion of the teacher but also at the request of the candidate.
The test is employed to assess students' knowledge, after intermediate assessment of the level of knowledge

through written examination.

Office hours

On appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING