UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Malattie del Sangue A

1819-3-H4101D260-H4101D063M

Aims

HAEMATOLOGY:

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

Contents

Students will learn to apply their knowledge of Anatomy, Physiology, Biochemistry, to organ and/or apparatus pathologies.

They will also learn how to evaluate the diagnostic methods, generally used in medical practice, to recognize signs and symptoms of the main diseases, and interpret the results of instrumental and laboratory.

Detailed program

BLOOD DISEASES History and Examination in Hematology – Laboratory Examinations in Hematology (Hemocromocytometric Examination, Leukocyte Formula, Including Next Generation Sequencing Techniques Stem and progenitor cells of hematopoietic cells - the bone marrow - Classification and general clinical aspects of anemia

– Anemia megaloblastic - anemia hypochromic, microcytic - deficiency anemia - anemia normochromic, normocitiche - Classification of hemolytic anemias - hereditary spherocytosis (general outline, to be completed in the Pediatrics course) - Emolytic enzymopathic anemia Emoglobinopathies and Thalassemies (general outline, to be completed in the Pediatrics course) - Anemia immunoemolitiche - Anemia from fragmentation of red blood cells - blood groups - Transfusions of red blood cells and related complications - Classification of disorders of stem cell - Aplastic anemia, myelodysplasia - 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 disorders - Thrombocytopenia and platelet - congenital coagulopathy: hemophiliac - Coagulopathies acquired - platelet transfusions - Oncemopathic Therapy Elements - Autologous and Allogene Peripheral Stem Cell Stem Cell Transplantation.

Prerequisites

See "Patologia medico-chirurgica 3"

Teaching form

See "Patologia medico-chirurgica 3"

Textbook and teaching resource

See "Patologia medico-chirurgica 3"

Semester

Assessment method

See "Patologia medico-chirurgica 3"

Office hours