



UNIVERSITA' DEGLI STUDI DI BARI ALDO
Dipartimento dell'Emergenza e dei Trapianti di Organi
U.O. di EMATOLOGIA CON TRAPIANTO
Direttore: Prof.ssa Giordina Specchia

SCHOOL OF MEDICINE
SSD MED/15 CFU2
4th Year, 1st semester

Teacher: Prof.ssa Giordina Specchia

Educational goals:

Knowledge of blood diseases and related diagnostic and therapeutic strategies

Expected learning outcomes:

Ability to recognize blood diseases from the medical history and clinical data collection

Educational organization:

Lessons ex cathedra: 2 CFU

Teaching Mode: traditional lectures

Learning Assessment procedures: oral

Attendance: mandatory

Detailed Program:

1. Physiology of normal Hematopoiesis

Stem Cells
Erythropoiesis
Myelopoiesis
Megakaryocytopoiesis
Lymphopoiesis

2. Myelodysplastic Syndromes

Pathogenesis
Diagnosis
Clinical Features
Classifications
Prognosis
Treatments

3. Acute Lymphoblastic Leukemias

Pathogenesis
Clinical Features
Diagnosis
Prognosis
Classifications
Treatments

4. Acute Myeloid Leukemias

Pathogenesis
Clinical Features
Diagnosis
Prognosis
Classifications
Treatments

5. Chronic Myeloproliferative Disorders Ph+ and Ph-

Polycythaemia Vera
Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments
Chronic Myeloid Leukemia
Pathogenesis
Diagnosis
Clinical Features
Classifications
Prognosis
Treatments
Primary Myelofibrosis (PMF)
Pathogenesis
Diagnosis
Clinical Features
Classifications

Treatments

Chronic Myeloid Leukemia

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Essential Trombocythaemia

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Eosinphilic Disorders

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Mastocytosis

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Myelodisplastic / Myeloproliferative Disorders

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

6.Lymphoproliferative Disorders

Chronic Lymphocitic Leukemia

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Chronic Prolymphocytic Leukemia

Pathogenesis

Diagnosis

Clinical Features

Classifications

Treatments

Hairy Cell Leukemia

Pathogenesis

Diagnosis

Prognostic Facotors

Clinical Features

Classifications

Treatments

Waldernstrom Macroglobulinemia

Pathogenesis

Diagnosis
Clinical Features
Classifications
Treatments
Non Hodgkin Lymphomas
Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments
Hodgkin Lymphomas
Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments

7. Plasma Cell Disorders

Monoclonal Gammopathies (MGUS)

Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments
Multiple Myeloma
Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments

Plasma Cell Leukemia

Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments

Amyloidosis
Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments

Poems Syndrome

Pathogenesis
Diagnosis
Clinical Features
Classifications
Treatments

8. Haematopoietic Stem Cell Transplantation Strategies

Types of Haematopoietic Stem Cell transplantation (HSCT)
Sources of Haematopoietic Stem Cell transplantation
Recent advances in Haematopoietic Stem Cell transplantation