



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Hematology

1920-3-H4102D023-H4102D075M

Aims

HEMATOLOGY I (Falanga)

1. Understanding the biology and normal physiology of blood coagulation
2. Understanding the biology and clinical behavior hemorrhagic diseases
3. Understanding the biology and clinical behavior thromboembolic diseases
4. Understanding the biology and clinical behavior of microangiopathy anemias
5. Principles and clinical practice of Blood transfusions

HEMATOLOGY II

1. Understanding the basis of hematopoietic stem cell transplantation
2. Understanding the biology and clinical behavior of Aplastic anemias and Paroxysmal Nocturnal Hemoglobinuria

3. Understanding the biology and clinical behavior of hemolytic anemia
4. Understanding the biology and clinical behavior of megaloblastic anemias

Contents

HEMATOLOGY I (Falanga)

1. Clinical approach to the ambulatory patient presenting with hemorrhagic symptoms
2. Clinical approach to the ambulatory patient presenting with thrombotic symptoms
3. Management of the outpatient anticoagulation clinics
4. Laboratory diagnosis of coagulation disorders
5. Apheretic therapies
6. Blood transfusion therapy
7. Phlebotomy
8. Plasma exchange treatments

HEMATOLOGY II

5. A) The clinical history of patients with relapsed refractory lymphomas. B). The clinical history of a newly diagnosed Multiple Myeloma. C). The clinical history of a newly diagnosed acute leukemia patients with a high risk genetic/molecular profile
6. A) The clinical picture of a young patients with aplastic anemia B) The clinical picture of a patient with an unexplained pancytopenia and nocturnal hemoglobinuria
7. The clinical emergency picture of an acute onset, Coombs positive anemia
8. The clinical picture of an old man referred to the emergency room for a transfusion requiring, macrocytic anemia

Detailed program

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Prerequisites

Basic Clinical Skills course

Teaching form

practical guided observation activities with briefings and debriefings by hospital tutors

Textbook and teaching resource

to be defined

Semester

second term

Assessment method

practical skills observation and rating scale assessment

Office hours

by email
