UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Hematology

2223-3-H4102D020-H4102D069M

Obiettivi

HEMATOLOGY I – Falanga

1. Understanding the biology and normal physiology of blood coagulation

2. Hemorrhagic diseases

3. Thromboembolic diseases

4. Cancer and Thrombosis

5. Thrombotic thrombocytopenic anemia

6. Principles and clinical practice of Blood transfusions

HEMATOLOGY II - Rambaldi

1. Understanding the anatomy, the normal physiology and the hierarchical organization of the normal bone marrow and of the hematopoietic system

2. Undestanding the molecular basis and the clinical behavior of the following diseases:

- anemias

- Hodgkin and Non-Hodgkin Lymphomas

- Multiple Myeloma and other plasma cell dyscrasias

- Chronic myeloproliferative disorders

- Myelodysplastic syndromes and acute myeloid leukemias

- Acute and chronic lymphocytic leukaemias

Contenuti sintetici

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

1. Master genes regulating normal hematopoiesis, biology of hematopoietic growth factors. Morphology and immunology of hematopoietic progenitor cells. Morphology of mature peripheral blood cells

2. Classification of anemias

3. Molecular genetics, histopathology, WHO classification and clinical findings of Hodgkin and Non-Hodgkin Lymphomas

4. Molecular genetics and clinical findings of Multiple Myeloma and other plasma cell dyscrasias

5. Molecular genetics, histopathology, WHO classification and clinical findings of Chronic myeloproliferative disorders

6. Molecular genetics, histopathology, WHO classification and clinical findings of Myelodysplastic syndromes and acute myeloid leukemias

7. Molecular genetics, histopathology, WHO classification and clinical findings of Acute and chronic lymphocytic leukaemia

Programma esteso

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 - Rambaldi

1. Master genes regulating normal hematopoiesis, biology of hematopoietic growth factors. Morphology and immunology of hematopoietic progenitor cells. Morphology of mature peripheral blood cells

2. Classification of anemias

3. Molecular genetics, histopathology, WHO classification and clinical findings of Hodgkin and Non-Hodgkin Lymphomas

4. Molecular genetics and clinical findings of Multiple Myeloma and other plasma cell dyscrasias

5. Molecular genetics, histopathology, WHO classification and clinical findings of Chronic myeloproliferative disorders

6. Molecular genetics, histopathology, WHO classification and clinical findings of Myelodysplastic syndromes and acute myeloid leukemias

7. Molecular genetics, histopathology, WHO classification and clinical findings of Acute and chronic lymphocytic leukaemia

8. Basis of hematopoietic stem cell transplantation

9. Novel cellular based immunotherapies

Prerequisiti

Basic Clinical Skills course

Modalità didattica

lezioni e attività a piccoli gruppi

Materiale didattico

da definire

Periodo di erogazione dell'insegnamento

secondo semestre

Modalità di verifica del profitto e valutazione

integrated oral exam

Orario di ricevimento

su appuntamento

Sustainable Development Goals

SALUTE E BENESSERE | ISTRUZIONE DI QUALITÁ | PARITÁ DI GENERE