UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Hematology

2122-3-H4102D058-H4102D075M

Obiettivi

Al termine del tirocinio lo studente possiede le conoscenze per riconoscere ed interpretare le principali malattie del sangue e del sistema emolinfopoietico.
In particolare lo studente è in grado di interpretare i segni, i sintomi ed i dati di laboratorio che caratterizzano:

- le leucemie acute mieloidi e linfoidi
- la leucemia mieloide cronica
- le malattie mieloproliferative croniche: la Policitemia Vera, la Trombocitemia Essenziale e la Mielofibrosi Idiopatica
- il linfoma Non Hodgkin indolente
- il linfoma Non Hodking aggressivo
- il Morbo di Hodking
- il Mieloma Multiplo
- le Gammopatie monoclonali di incerto significato (MGUS) e la macroglobulinemia di Waldenstrom
- l'anemia aplastica e l'Emoglobinuria Parossistica Notturna (EPN)
- le anemie emolitiche
- la Porpora trombocitopenica idiopatica

Inoltre lo studente possiede le conoscenze per descrivere le principali linee di terapia delle patologie sopra

descritte, con particolare attenzione alle modalità di impiego di:

- trapianto autologo di cellule staminali emopoietiche
- trapianto allogenico di cellule staminali emopoietiche
- nuove immunoterapie (incluse le CAR-T)

Lo studente è in grado di descrivere i principi della diagnostica morfologica e molecolare delle malattie ematologiche e le basi della Medicina Trasfusionale.

Contenuti sintetici

HEMATOLOGY I

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. Aphaeretic therapies

6. Blood transfusion therapy

7. Phlebotomy

8. Plasma exchange treatments

HEMATOLOGY II

1. The clinical history of Acute Leukemia

2. The clinical history of chronic myelogenous leukemia

3. The clinical history of Polycythemia Vera, Essential Thrombocythemia, Myelofibrosis

4. The clinical history of indolent Non-Hodgkin Lymphoma

5. The clinical history of aggressive Non-Hodgkin Lymphoma

6. The clinical history of Hodgkin Lymphoma

7. The clinical history of Multiple Myeloma

8. The clinical history of Monoclonal gammopathy of Undetermined Significance (MGUS) and Waldenstrom macroglobulinemia

9. The clinical history of aplastic anemia and nocturnal paroxysmal hemoglobinuria

10. The clinical history of hemolytic anemias

11. Autologous Hematopoietic stem cell transplantation

12. Allogeneic hematopoietic stem cell transplantation

13. New Immunotherapies (including CAR-T cells)

14. Immune Thrombocytopenic Purpura (ITP)

15. The morphologic diagnosis of hematologic diseases: principle of flow cytometry

16. The molecular diagnosis of hematologic diseases

Programma esteso

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Prerequisiti

Basic Clinical Skills course

Modalità didattica

Practical guided observation activities with briefings and debriefings by hospital tutors

Materiale didattico

DA DEFINIRSI

Periodo di erogazione dell'insegnamento

SECONDO SEMESTRE

Modalità di verifica del profitto e valutazione

practical skills observation and rating scale assessment

Orario di ricevimento

SU APPUNTAMENTO