

## SYLLABUS DEL CORSO

### Hematology

2122-3-H4102D058-H4102D075M

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#### 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 Hodgking aggressivo
  - il Morbo di Hodking
  - il Mieloma Multiplo
  - le Gammopatie monoclonali di incerto significato (MGUS) e la macroglobulinemia di ...
  - l'anemia aplastica e l'Emoglobinuria Parossistica Notturna (EPN)
  - le anemie emolitiche
  - la Porpora trombocitopenica idiopatica
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- 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

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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**

### HEMATOLOGY I

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2. Clinical approach to the ambulatory patient presenting with thrombotic symptoms
3. Management of the outpatient anticoagulation clinics
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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

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