UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Internship in Immunohematology and Transfusion Medicine - PGXXIII Hospital Bergamo

2223-3-H4102D101

Aims

The purpose of the internship is to provide the student with a solid foundation in the clinical and laboratory management of the principal thrombohemorrhagic disorders, including the clinical-therapeutic monitoring of antithrombotic therapies. Clinical evaluation and management of patients requiring transfusion therapies and apheresis. Recruitment and management of blood and hematopoietic stem cells donors.

Contents

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

Detailed program

Clinical evaluation and management of patients with thalassemia, hemochromatosis, and polycythemia vera requiring transfusion therapies;

Clinical evaluation and managements of patients for CSE and lymphocytes collection for transplantation purposes.

Clinical approach to therapeutic apheresis activities, such as LDL-Apheresis for familial hypercholesterolemia, erythrocyte-exchange or mini-exchange for sickle cell disease, granulocyte-monocyte-apheresis for chronic intestinal inflammatory diseases.

Clinical and laboratory evaluation and management of plasma exchange procedures for patients with thrombotic thrombocytopenic purpura or other autoimmune diseases (myasthenia gravis, Guillam Barrè syndrome, vasculitis)

Recruitment of blood donors, and in particular evaluation of eligibility criteria for plasma apheresis donation.

Management of eligibility, therapy and apheresis activities of hematopoietic stem cells of hematological patients and healthy family donors.

Prerequisites

to be defined

Teaching form

Practical guided observation activities with briefing and debriefing by medical doctors

Textbook and teaching resource

to be defined

Semester

to be defined

Assessment method

to be defined

Office hours

APPOINTMENT BY EMAIL

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY