



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Sciences

1920-2-I0301D010

Aims

The student will learn:

- to define the main diseases
- to classify clinic symptoms and signs
- to correctly use the terms related to oncology cardiovascular, odonto-stomatologic and pediatric diseases
- the main action mechanisms of antineoplastic drugs
- the tests, the correct diagnostic procedures and the guide lines for the treatment of the main cancers.
- main odonto-stomatologic diseases
- to describe basic concepts related with diagnosis, treatment and outcome of hematological diseases in pediatrics

Contents

The aim of the course is to provide students with basic knowledge of:

internal medicine and the main systemic diseases, oncology, pediatric hematology including malignant and non malignant diseases and hematopoietic stem cell transplantation and odonto-stomatologic diseases, legal aspects

of odontology. It also aims to provide students with the basics of the specific terminology of the different subjects, and let them know the diagnostic criteria of the main neoplastic diseases and treatment guidelines.

Detailed program

INTERNAL MEDICINE: General principles of Internal Medicine, the concept of Health and Disease; etiology and pathogenesis, inflammation, immunity, fever and pain, antibiotics, anti-inflammatories, cortisone and other main drugs.

CARDIOVASCULAR DISEASES: fundamentals of anatomy and physiology of cardiovascular hypertension; ischemic heart disease (angina pectoris and myocardial infarction), endocarditis and pericarditis, heart failure.

MEDICAL ONCOLOGY: Cancer terminology, staging, principles of pharmacology of antineoplastic agents; breast cancer; lung cancer; colorectal cancer; gastric and pancreatic cancer, prostate cancer.

ODONTOSTOMATOLOGIC DISEASE: Clinical diagnostics and major systemic diseases; the main clinical indications to the different imaging techniques; oncological diseases and the oral oncology in particular; systemic diseases with oral impairments;

PEDIATRICS: Non malignant hematological diseases (focus on hemoglobinopathies and thrombocytopenia). Pediatric Leukemias, focus on acute lymphoblastic leukemia. Pediatric Lymphomas, focus on diagnostic and therapeutical issues. Hematopoietic stem cell transplantation: who, what, how, when, why

Prerequisites

Teaching form

Lectures

Textbook and teaching resource

Teachers will provide educational material.

Nelson, testbook of pediatrics (only the chapters dealing with oncohematology)

Semester

Second semester

Assessment method

The final mark, based on the average score obtained by the students during the different evaluations, is set during an oral interview with the student, during which the written tests are scrolled to check mistakes

Office hours

By appointment required by mail
