



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Pathology

2627-3-H4101D257-H4101D036M

Aims

Acquisition of the knowledge necessary to understand the general concepts of clinical pathology in order to critically observe the values that the analysis laboratory provides, understanding their role and importance for the purposes of correct diagnosis and therapeutic monitoring, applying this knowledge to concrete clinical examples. The knowledge provided represents the indispensable basis for the acquisition of a scientific method applicable to all the specialist disciplines that the student will face during his professional growth.

Contents

The course aims to provide the student with the role, limits and purposes of laboratory analyzes up to advanced diagnostic approaches

Detailed program

General concepts of clinical pathology.

Hematological diagnostics:

The blood count and leukocyte formula

Hematological morphology on venous blood smear

Flow Cytometry in diagnostics

Alterations of leukocytes

Lympho- and myeloproliferative diseases

Bone marrow aspirate and biopsy

An advanced clinical diagnostic model: from the blood count to the diagnosis of leukemia and evaluation of minimal residual disease

Omics and molecular diagnostics
Immunohematology analysis: hemostasis and thrombosis

Prerequisites

Knowledge relating to the preparatory courses indicated in the degree course regulations

Teaching form

6 in-person learning lessons of 2 hours each.

Textbook and teaching resource

Provided by the teacher

Semester

First semester

Assessment method

See the description in the main course Syllabus

Office hours

By email appointment with Professor Serafini at the following email address: marta.serafini@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
