UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Microbiology B

2223-2-H4101D256-H4101D175M

Aims

To provide the student with knowledge on practical laboratory aspects, including the laboratory methods used in Clinical Microbiology Laboratories for the diagnosis of infectious processes.

The students are expected to acquire skills in requesting and interpreting results of laboratory methods used for the diagnosis of microbial infections.

Contents

Laboratory practicals with simulated clinical samples allowing the students to perform laboratory methods and investigations required for the identification of microbial pathogens and for the determination of their in vitro susceptibility to antimicrobial agents.

Detailed program

Performing laboratory methods aimed at:
-bacterial isolation on different agar media
-identification of isolated colonies through a panel of biochemical reactions
-antibiotic susceptibility testing
-Staining methods to investigate bacterial morphology using microscopy
-Rapid antigen detection methods
-Molecular methods in diagnostic microbiology

Prerequisites

Ongoing study of the module of Medical Microbiology A

Teaching form

Laboratory practical work

Textbook and teaching resource

Notes, video simulations, cards and lecture notes from the Microbiology Laboratory

Semester

II semester of the second year of the degree course

Assessment method

Specific questions in the final quiz of Medical Microbiology. Diagnostic aspects verified in the final exam of Medical Microbiology.

Office hours

Upon request and by appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING