UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Technical Sciences of Laboratory Medicine

2021-3-H4101D257-H4101D075M

Aims

Patient’s history taking, with focus on cardiovascular and respiratory problems, Diagnostic assessment with critical data interpretation, Physical examination, Main clinical signs and symptoms. Knowledge of normal ranges of the main diagnostic tests for the cardiovascular and respiratory systems.

Contents

To provide the tools for the correct use of biochemical tests, and the definition of their indications and interpretation. Main diagnostic tests for the cardiovascular and respiratory systems.

Detailed program

- Evidence-based laboratory medicine (EBLM): Appropriateness of diagnostics tests
- Roles, limits and aims of laboratory tests.
- How to ask for a test.
- Pre-analytical, analytical and post-analytical variability.
- Lab test interpretation: reference values and decisional process; sensibility, specificity and predictive values.

· Markers of function/lesion

Prerequisites

Propaedeutic skills

Teaching form

Lectures and exercises. Lessons will be registered by remote not synchronized with some synchronized videoconference using the Webex platform

Textbook and teaching resource

McPherson RA, Pincus MR Henry's Clinical Diagnosis and Management by Laboratory Methods, 23a edizione in lingua inglese. Ed. Elsevier, 2016

Federici G. Medicina di laboratorio ed McGraw-Hill. IV edizione, 2014

Marshall W, Lapsley M., Day A Clinical chemistry ed Mosby. 8a edizione in lingua inglese. Ed. Elsevier, 2016

Semester

first semester

Assessment method

Written and oral test. Multiple choice test comprising 30 questions with only one correct answer (among 5) aimed at evaluating global comprehension of course program. Each correct answer is scored 1.

During COVID-19 emergency written tests will be on-line (https://esamionline.elearning.unimib.it) with automatic proctoring system.

Oral exams will be carried out using the Webex platform. A public link for access to the examination will be reported on the page of the course.

Office hours

on appointment required by mail