UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Methodology A

2122-3-H4101D257-H4101D039M

Aims

The Clinical Methodology Course is organized in two modules (A and B) and is aimed at the acquisition of the different methodologies for evaluating the patient with particular attention to the collection of anamnesis, physical examination and laboratory tests in the perspective of their subsequent application in the specialist field. The topics of the course constitute the necessary tools for understanding the semeiological basis and physiopathology of the main morbid conditions. The notions provided represent the indispensable basis for the acquisition of a scientific method applicable to all the specialized disciplines that the student will face in the course of his professional growth.

Contents

Collection and interpretation of patients' medical history, main signs and symptoms of cardiovascular and respiratory diseases. To provide the tools for the correct use of biochemical tests, and the definition of their indications and interpretation. Information on how to perform correctly a physical examination with particular regards to venous and arterial vessels, as well as to cardiovascular and respiratory systems.

Detailed program

The medical history

- Techniques of history taking

- Evaluation of patient’s clinical data and files

- How to interview a patient

- Doctor-Patient interaction, physician’s attitude and behaviour

- The role of the family history

- Physiological and pathological history

General physical examination

- Head and neck

- Chest

- Abdomen

Diagnostic tests in Cardiology

- Electrocardiography (EKG), 24 hours EKG Holter recording
- Echocardiography
- Exercise Stress Testing
- Cardiac nuclear imaging
- Computed Tomography and Magnetic Resonance of the Heart
- Coronary Angiography

Systemic Hypertension (primitive and secondary forms):

- Clinical management
- Interpretation of diagnostic tests
- Therapy

Chest Pain

- Approach to the patient with chest pain, differential diagnosis and diagnostic tests

Semeiotics of pain

- Somatic pain and visceral pain

- Chest, abdominal, radicular pain and headache

Prerequisites

Propaedeutic skills

Teaching form

Lectures and exercises

Lessons will be provided in presence, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Harrison's: "Principles of Internal Medicine" Ed. McGraw Hill

For further insight

HURST- The Heart 12th Ed. McGraw Hill

Dioguardi – Sanna: Moderni aspetti di semeiotica medica - Segni sintomi e malattie Ed.Seu

Sabiston: "Textbook of surgery" Ed. Saunders

Zanussi: "Il metodo in medicina clinica" Ed. Mattioli

McPherson RA, Pincus MR Henry's Clinical Diagnosis and Management by Laboratory Methods, 23a English edition. Ed. Elsevier, 2016

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

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

Semester

1st 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.

Office hours

On appointment