UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Chirurgia dell'Apparato Cardiovascolare

1819-3-H4101D257-H4101D046M

Aims

Taking the Patient's history, concerning cardiovascular problems, diagnostic assessment with critical data interpretation, physical examination, main clinical signs and symptoms.

Contents

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

Detailed program

- Atherosclerosis and vulnerable plaque: plaque rupture, embolization and thrombosis.
- Vascular objective examination. Arterial wrists.
- Carotid atherosclerosis, pathophysiology of the cerebro-afferent pathology, quantification of the degree of stenosis, evaluation of carotid plaque morphology, definition of symptomatic carotid stenosis.
- Subclavian theft syndrome. Arterial and venous thoracic strait syndrome (TOS).
- Chronic obliterative arteriopathy of the lower limbs. Leriche syndrome. Arterial ulcers.
- Organ hypoperfusion. Hypoxia, ischemia, necrosis. Acute obliterations of the limbs. Compartment syndromes.

Damage from ischemia-reperfusion.

- Aortic aneurysmal pathology. Collagen. Rupture of aortic aneurysm.
- Arterial pathology of large non-atherosclerotic vessels.
- Post-caterpillar Pseudoaneurysm. Traumatic pseudoaneurysm and isthmic aortic rupture.
- Acute aortic syndromes. Aortic dissection, Stanford classification, organ complication. Aortic penetrating ulcer (PAU). Intramural hematoma (IMH).
- Venous thromboembolic disease: deep venous thrombosis and superficial thrombophlebitis. Venous ulcers.
- Differential diagnosis of pain in the lower limbs.

Prerequisites

Propaedeutic skills.

Teaching form

Lectures

Textbook and teaching resource

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

Sabiston: "Textbook of surgery" Ed. Saunders

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.

Office hours

By email appointment with professor