UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Cardiovascular Surgery

2627-3-H4101D257-H4101D046M

Aims

Taking the Patient's history, concerningvascular 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 vascular 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 physical examination. Arterial pulses.
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 steal syndrome. Arterial and venous thoracic outlet syndrome (TOS).
Peripheral artery disease (PAD). Leriche syndrome. Arterial ulcers. Chronic limb-threatening ischemia (CLTI).
Organ hypoperfusion. Hypoxia, ischemia, necrosis. Acute ischemia of the upper and lower limbs. Compartment syndromes. Ischemia-reperfusion injury.
Aortic aneurysmal disease. Aneurysms caused by connective tissue abnormalities. Rupture of aortic aneurysms.
Post-catheterization pseudoaneurysm. Traumatic pseudoaneurysms and isthmic aortic rupture.
Acute aortic syndromes. Aortic dissection, Stanford classification, organ complications. Aortic penetrating ulcer

(PAU). Intramural hematoma (IMH).
Venous thromboembolic disease: deep venous thrombosis and superficial thrombophlebitis. Venous ulcers.
Chronic venous ddisease and insufficiency. CEAP Classification.
Differential diagnosis of pain, edema and inflammation in lower limbs.

Prerequisites

Propaedeutic skills.

Teaching form

3 four-hour classes delivered in presence.

Textbook and teaching resource

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

Sabiston: "Textbook of surgery" Ed. Saunders

Semester

First Semester

Assessment method

see main course syllabus

Office hours

By email appointment with Professor Froio at alberto.froio@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING