



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Vascular Clinic and Physiopathology Elements

2627-2-I0201D138-I0201D175M

Aims

At the end of the Course, the student should:

- Identify the pathophysiology of vascular diseases.
- Define the most appropriate Rehabilitative strategy, modifying risk factors and promoting preventive strategies.
- Identify emergency vascular conditions, addressing the patient to the appropriate treatment.

Contents

At the end of the Course, the student should:

- know the fundamental knowledge about cardiovascular patho-physiology
- understand the usefulness of such information for the definition of a correct and tailored rehabilitation.

Detailed program

- Atherosclerosis.
- Vascular physical examination.
- Carotid atherosclerosis and pathophysiology of the cerebro-afferent vascular pathology.
- Arterial and venous thoracic outlet syndrome (TOS).

- Organ hypoperfusion. Hypoxia, ischemia, necrosis. Acute ischemia of the upper and lower limbs. Compartment syndromes. Ischemia-reperfusion injury.
- Chronic obliterative arterial disease of the lower limbs. Leriche syndrome. Arterial ulcers.
- Venous thromboembolic disease: deep venous thrombosis and superficial thrombophlebitis. Venous ulcers.
- Chronic venous disease and insufficiency. CEAP Classification.
- Differential diagnosis of pain, edema and inflammation in lower limbs.

Prerequisites

No

Teaching form

Frontal teaching

Textbook and teaching resource

Slides.

Semester

Second year - Second semester

Assessment method

The exam consists of two parts:

- Multiple-choice quizzes. 7 quizzes for each module, 49 quizzes in total. Only one correct answer. 1 point for each correct answer. 0 points for each incorrect answer.
- One open-ended question on Cardiac/Respiratory Physiotherapy.
Exam duration: 80 minutes

Office hours

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Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY
