



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Mechanisms and Models of Vascular Diseases

2021-2-F0901D047-F0901D093M

Aims

The student should be able to integrate basic knowledge regarding the field of arteriosclerosis, besides pathogenic mechanisms, therapeutic goals and present research trends in vascular diseases.

Contents

This course aims at contributing to the training of a medical biotechnologist able to integrate basic principles of vascular pathophysiology in order to understand the biological basis, main pathogenic mechanisms and experimental models regarding vascular diseases. Models will be analyzed stressing critical aspects and role in the development of novel therapeutic strategies

Detailed program

Experimental models of vascular injury.

Experimental models of coronary atherosclerotic disease.

Experimental models of carotid atherosclerosis inducing cerebral ischemia.

Experimental models of peripheral artery disease.

Experimental models of intimal hyperplasia and restenosis.

Experimental models of abdominal aortic aneurysms.

Experimental models of aortic dissection.

Prerequisites

Basic knowledge of anatomy, histology, pathology and physiology.

Teaching form

lectures

Textbook and teaching resource

Slides. Scientific papers.

Semester

first semester second year

Assessment method

Multiple choice quiz

Office hours

by e-mail appointment with professor
