



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Malattie dell'Apparato Cardiovascolare

2627-3-H4601D013-H4601D035M

Aims

The main objective of the course is to provide basic knowledge on the diagnosis, prevention and treatment of major cardiological diseases.

Contents

The module includes the following contents:

Cardiovascular risk; arterial hypertension; ischaemic heart disease; heart failure; cardiomyopathies; major arrhythmias and basic electrocardiography; cardiological causes of syncope; valvular diseases; congenital heart disease; bacterial endocarditis and rheumatic carditis; pericarditis; cardiovascular effects of obstructive sleep apnoea; antiplatelet and anticoagulant therapies in the cardiology patient.

Detailed program

Cardiovascular risk: modifiable and non-modifiable risk factors; importance of risk assessment with the practical use of risk charts; pharmacological and non-pharmacological interventions to reduce cardiovascular risk

Arterial hypertension: definition, clinical relevance, diagnosis, therapy

Ischaemic heart disease: pathophysiology, clinic, diagnostic approach, therapy

Heart failure: pathophysiology, clinic, diagnostic approach, therapy

Cardiomyopathies: classification, clinical relevance, diagnostic approach

Main arrhythmias: interpretation of the electrocardiogram; hyperkinetic and hypokinetic arrhythmias

Cardiological causes of syncope: clinical evaluation of a patient with syncope; main cardiological causes; management in the acute phase

Valvular diseases: aetiology, pathophysiology, diagnostic and therapeutic approach to heart valve disorders

Congenital heart disease: classification and implications for antibacterial prophylaxis
Bacterial endocarditis and rheumatic carditis: pathophysiology, clinical manifestations, prophylaxis
Pericarditis: classification, clinical, diagnostic and therapeutic approach
Cardiovascular effects of obstructive sleep apnoea: definition and pathophysiology, cardiological consequences, therapy, relevant aspects in dentistry
Antiplatelet and anticoagulant therapies in the cardiological patient: types of drugs, cardiological indications, management in a patient undergoing dental procedures

Prerequisites

See course prerequisites.

Teaching form

The lessons are held in a dispensed mode with lectures, in presence;
Up to 25% of the teaching hours may be conducted remotely in synchronous mode.
The course language is Italian

Textbook and teaching resource

Harrison – Principles of Internal Medicine.
Slides and reference articles (upon request) provided by the instructors to the students

Semester

See general course syllabus

Assessment method

The exam takes place in written mode with mandatory oral.
Written mode: closed response test
Oral modality: interview on the topics included in the teaching modules and on the exam texts.
The results of the Academic Year will be communicated through the "Exam Exam Calendar"; changes will be possible to the date of the oral interview in relation to the number of students and unforeseen events.
There are no ongoing tests.

Office hours

By appointment with email to the teacher (grzegorz.bilo1@unimib.it)

Sustainable Development Goals

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