



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Cardiocirculatory Apparatus

2021-2-I0201D138-I0201D213M

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#### Aims

To know how to recognize the clinical symptomatology of cardiovascular diseases

#### Contents

Pathophysiology and Clinical features of the following cardiovascular diseases:

- Chronic heart failure
- Chronic Coronary Syndrome
- Essential and secondary arterial hypertension
- Atrial fibrillation.
- Dislipidemia
- Basic concept of electrocardiography

#### Detailed program

- Chronic heart failure: pathophysiology, epidemiological mechanisms, types of decompensation (systolic and / or diastolic dysfunction). Diagnostic criteria of heart failure. Role of rehabilitation.
- Chronic coronary syndromes: Clinical presentation of acute myocardial infarction and chronic coronary syndromes. Clinical and instrumental diagnosis. Complications of myocardial infarction. Secondary prevention of coronary events. Coronary revascularization
- Atrial fibrillation: Diagnosis. Risk factors and causes, epidemiology. Clinical manifestations. Clinical and laboratory diagnostic criteria.
- Arterial Hypertension: Definition, diagnosis, epidemiology. Secondary causes of hypertension. Cardiovascular complications of hypertension. Prevention of hypertension. Role of lifestyle.
- Dyslipidemia: definition, diagnosis, epidemiology. Target and therapies.
- EKG: basic interpretation of normal and pathological one.

## **Prerequisites**

Basic skills of cardiovascular pathophysiology, cardiovascular pathology and cardiovascular semeiotics

## **Teaching form**

Synchronous videotaped lectures with use of power-point presentations with exposure of the fundamental clinical aspects, differential diagnosis of the problems of interest.

## **Textbook and teaching resource**

International guidelines concerning major cardiovascular diseases

## **Semester**

second semester (April 2021)

## **Assessment method**

Interaction with students during the frontal lesson, through questions relating to fundamental points of the topics covered. Evaluation by e-mail of questionnaire in times strictly following the frontal lesson.

## **Office hours**

To be agreed with students, by e-mail contact

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