UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Cardiocirculatory Apparatus

2425-2-I0201D138-I0201D213M

Aims

To know how to recognize the clinical symptomatology of cardiovascular diseases as well the basic principle of their diagnosys and therapies.

Contents

Pathophysiology and Clinical features of the following cardiovascular diseases:

- Chronic heart failure.
- Acute and Chronic Coronary Syndrome.
- Essential and secondary arterial hypertension.
- Atrial fibrillation.
- Dislipidemia.
- Valvulopathy.
- Basic concept of electrocardiography and echocardiography.
- Gender differences in cardiovascular diseases.

Detailed program

- Chronic heart failure: pathophysiology, epidemiological mechanisms, types of decompensation (systolic and / or diastolic dysfunction). Diagnostic criteria of heart failure. Role of rehabilitation.
- Acute and 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: diagnosys. 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.
- Dislipidemia: definition, diagnosys, epidemiology. Target and therapies.
- Valvulopathy: aortic stenosis. Aortic rigurgitation. Mitralic stenosis. Mitralic regurgitation.
- EKG: basic interpretation of normal and pathological one.
- Echocardiography: kinesis and segmentation of left ventricle. Valvulopathy.
- Gender differences in cardiovascular diseases: to analyze and evaluate with a medical and scientific approch and in a gender based view with the aim to improv not only the knowledge on aspect determining gener differences but also the appropriateness of medical intervention in order to give higher attention on anamnestic, instrumental and laboratory data in relatioship to patients gender.

Prerequisites

Basic skills of cardiovascular physiopathology, cardiovascular pathology and cardiovascular semeiotics.

Teaching form

8 hours of didattic teaching in attendance.

Textbook and teaching resource

International guidelines concerning major cardiovascular diseases.

Semester

Second semester.

Assessment method

As described in the general course Syllabus

Office hours

To be agreed with students, by e-mail contact.

Sustainable Development Goals

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