



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP81_DIP_MED

Visiting Professor Program Academic year 2022/2023

TEACHING COMMITMENT: 22 hours

COURSE TITLE

Cardiovascular Pharmacology

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Cardiovascular disease

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course will aim to extend student's knowledge and understanding of cardiovascular pharmacology as applied to 'real-world' (individual and patient/lifestyle based) in an internal medicine context.

Cardiovascular Pharmacology: Preview of CVS physiology 2-hour-lecture before the beginning of CVS pharmacology. Cardiovascular system and its diseases. Hypertension (etiology, treatment). Myocardial ischemia (aetiology, treatment symptomatic, treatment prophylactic, new concepts). Heart failure (aetiology, treatment for acute heart failure, treatment for chronic heart failure). Cardiac arrhythmias (aetiology, treatment).

CVS case-learning: students were given CVS cases, and asked to present the pathophysiology, tests need to be ordered to aetiology, and treatment. Cases included heart failure, angina, myocardial infarction, arrhythmia, and hypertension.

LEARNING OBJECTIVES

At the end of this rotation the student will be able to:

1. Describe and assess the molecular and cellular actions of drugs that affect the cardiovascular system;

2. Classify the major cardiovascular drugs in current use by their actions at a cellular and molecular level;
3. Evaluate the pharmacological basis for the treatment of major cardiovascular diseases and appreciate the common side effects that these drugs can produce;
4. Have knowledge of new and emerging pharmacological treatments for cardiovascular disease;
5. Establish protocols for the consistent application of current practice guidelines for the treatment of common cardiovascular conditions.

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

N/A

OTHER ACTIVITIES BESIDES THE COURSE

Seminars to research fellows

ADDITIONAL COURSE

COURSE TITLE

Cardiovascular disease: from bench to bedside

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Fisiopatologia medica

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

Cardiovascular Pharmacology: Preview of CVS physiology 2-hour-lecture before the beginning of CVS pharmacology. Cardiovascular system and its diseases. Hypertension (etiology, treatment). Myocardial ischemia (aetiology, treatment symptomatic, treatment prophylactic, new concepts). Heart failure (aetiology, treatment for acute heart failure, treatment for chronic heart failure). Cardiac arrhythmias (aetiology, treatment)

Preclinical models of different cardiovascular diseases.

LEARNING OBJECTIVES

1. Describe and assess the molecular and cellular actions of drugs that affect the cardiovascular system.
2. Describe different models of diseases involving the cardiovascular system

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

Show the methodology to perform treatment in preclinical model of cardiovascular diseases

OTHER ACTIVITIES BESIDES THE COURSE

Dissemination conferences

VISITING PROFESSOR PROFILE

The candidate needs to have extensive experience in clinical pharmacology and molecular techniques applied to internal medicine setting. The candidate has to demonstrate extensive teaching experiences in official University Courses, either by official teaching courses or by Lectures. The candidate needs to possess a strong background and leadership within clinical pharmacology in internal medicine setting.

CONTACT PERSON AT THE DEPARTMENT

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