



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP44_DIP_MED

Visiting Professor Program Academic year 2019/2020

DEPARTMENT OF MEDICAL SCIENCES

TEACHING COMMITMENT: 20 hours

The Visiting professor will teach in two different courses.

COURSE TITLE

Mechanisms associated with organ protection of drugs currently used to treat patients with cardiovascular diseases

TEACHING PERIOD

1st term

SCIENTIFIC AREA

Internal Medicine

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.

The same aim will be extended to the Physiology course.

LEARNING OBJECTIVES

Learning objectives (10 lines max)

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.

LAB ACTIVITIES

The Visiting Professor will be also involved in basic science research.

OTHER ACTIVITIES BESIDES THE COURSE

The Visiting Professor will be involved in seminars to PhD students and research fellows on her specific expertises in preclinical models of ischemia-reperfusion of the heart.

ADDITIONAL COURSE

COURSE TITLE

Mechanisms associated with organ protection of drugs currently used to treat cardiovascular patients
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TEACHING PERIOD

1st term

SCIENTIFIC AREA

Fisiology

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

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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).

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. Evaluate the pharmacological basis for the treatment of major cardiovascular diseases and appreciate the common side effects that these drugs can produce .
3. Have knowledge of new and emerging pharmacological treatments for cardiovascular disease.

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 and a strong background and leadership in mechanisms of organ protection of drugs currently used to treat patients with cardiovascular diseases.

CONTACT PERSON AT THE DEPARTMENT

Maria Felice Brizzi
mariafelice.brizzi@unito.it