



Visiting Professor Program Academic Year 2023/2024

TEACHING COMMITMENT: 15 hours

COURSE TITLE

Polytherapy and Frailty in the Elderly: Medication Review, Adherence to Prescriptions

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Medicinal Chemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The whole course focuses on the concept of therapeutic adherence, on the prevalence of non-adherent behaviors, on the risks associated with non-adherent behavior of patients, especially in the frail elderly population affected by multimorbidity, often treated with complex polypharmacotherapy regimens.

Expertise is also provided regarding the information and educational tools that can be implemented to support an adherent attitude to the patient's therapy.

The visiting professor contribution should provide fundamentals for correct conceptualization of adherence, as well as a view of valid methods of adherence measurements, appropriate data analyses, and complete and accurate reporting of results.

LEARNING OBJECTIVES

The visiting professor should focus on the following specific learning objectives:

- (1) Description of the process of adherence to medications and of its component, and of the way these apply to different research questions and study designs
- (2) Descriptions of different measurement options available
- (3) Basic examples of calculation of adherence to medications from electronic healthcare data using tools for statistical computing

TUTORSHIP ACTIVITIES

The visiting professor can co-tutor Pharmacy students for their project thesis

LAB ACTIVITIES

N/A

OTHER ACTIVITIES BESIDES THE COURSE

The visiting professor will be involved in seminars and conferences inside the Department of Drug Science and Technology.

ADDITIONAL COURSE

COURSE TITLE

Pharmacoepidemiology and Drug-Drug Interaction

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Medicinal Chemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course focuses on safety of polytherapeutic regimens, on determinants of non-adherence and on the risks associated with non-adherent behavior of patients. The visiting professor contribution should provide fundamentals for analysis of database obtained from drug dispensing data, for prescriptions analysis, as well as a view of valid methods of adherence measurements, appropriate data analyses, and complete and accurate reporting of results.

LEARNING OBJECTIVES

The visiting professor should focus on the following specific learning objectives:

- (1) Descriptions of different measurement options available for analysis of database obtained from drug dispensing data

(2) Calculation of adherence to medications from electronic healthcare data using tools for statistical computing

TUTORSHIP ACTIVITIES

N/D

LAB ACTIVITIES

IT lab for data analysis and reporting

OTHER ACTIVITIES BESIDES THE COURSE

N/D

VISITING PROFESSOR PROFILE

The candidate to this position should have have a research profile focussed on analysis of drug prescription/dispensing databases and on evaluation of adherence to medication, as well as on the development and validation of statistical models to analyse adherence data.

Experience in teaching and presenting research methods on drug use and adherence studies is as well very appreciated.

CONTACT REFERENT

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