

## COURSE SYLLABUS

### **Radiopharmaceuticals**

2021-3-I0303D036-I0303D050M

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#### **Aims**

Learn the fundamental aspect of chemical classification, mechanism of action, general safety and approved clinical indications of radiopharmaceuticals used in Nuclear Medicine.

#### **Contents**

The course aims to provide students with basic knowledge on biological and kinetics and safety properties of radiopharmaceuticals used in Nuclear Medicine.

#### **Detailed program**

Fundamental of pharmacological and regulatory basis of radiopharmaceuticals used in diagnostic or therapy: physico-chemical properties; stability, pharmacokinetics and mechanism of action; approved clinical indication, safety, and Summary of Product Characteristics. Students will learn how to prepare radiopharmaceutical doses and how to perform quality control test.

## **Prerequisites**

## **Teaching form**

During Covid-19 emergency lessons will be performed by remote not sincronized with some sincronized videoconference

## **Textbook and teaching resource**

The teacher will provide other educational materials

## **Semester**

First semester

## **Assessment method**

The **written test** includes 25 multiple choice questions (1 correct answer among 5 options) about all the topics of the course. The written test is evaluated with a mark ranging from 0 to 30. If the mark is superior to 18/30, the oral test will follow. The **oral test** consists in the evaluation of the knowledge acquired among the course topics through open questions, possibly related to the mistakes made during the written test.

## **Office hours**

By appointment required by mail

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