



UNIVERSITÀ DI PISA

Department of Translational research

Master in Oncologic Imaging

Academic year 2020-2021

Kindly supported by the European Society of Oncologic Imaging

Admission Requirements:

Medical Degree and Board certification in Radiology or in Nuclear Medicine

The Master is fully based on e-Learning

Learning objectives:

To provide integrated notions of Radiology and Nuclear Medicine in oncologic imaging, with regard to diagnostic and therapeutic pathways.

Total Academic Credits: 60

Minimum frequency percentage: 80%

Official language: English

Cost of the Master: 1000 euros

Deadline for registration: November 6th, 2020

Registration to University Portal (required to access to the Master application):

<https://www.studenti.unipi.it/Home.do>

Starting date: December 2020

Director of the Master: Prof. Emanuele Neri

Chair of the ESOI Research Committee

Associate Professor University of Pisa

Chair Diagnostic Radiology Unit 3, Pisa University Hospital

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Registration contact:

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Master program*

The Master includes the following Modules

Imaging Techniques

Physical principles of modern radiological and hybrid imaging equipment required in oncologic imaging.

Imaging biomarkers

Physical principles and applications of imaging biomarkers in oncology.

The Module is divided into two parts:

- 1) physical principles: the student acquires an adequate basic knowledge on the nature and classification of imaging biomarkers and on the development and clinical validation pathways.
- 2) clinical applications: the main imaging biomarkers in oncology will be illustrated, which, by passing the validation phase, can be used in the clinical setting.

Diagnostic pathways

The module provides specific knowledge on the appropriate use of integrated imaging (radiological and nuclear medicine) in the various diagnostic and therapeutic oncological pathways.

Evaluation of response to treatment

The Module covers the various systems (RECIST, iRECIST, etc) used in clinical trials to assess the response to oncological treatments.

Multidisciplinary teams

The Module allows to attend virtual multidisciplinary oncological teams. The lessons in the classroom will provide knowledge to deal with a multidisciplinary management of clinical oncological cases, according to a path defined as follows:

- 1) structure of a multidisciplinary oncology group;
- 2) preparation of the cases that will be discussed;
- 3) professional issues

Final exam

The final exam consists in the discussion of the Master's thesis

*ESOI webinars will be included in the Master Modules, accordingly to the scheduled topics