

## Faculty of Medicine



### RDTH2MC Master complémentaire en radiothérapie-oncologie (Complementary Master of Radiotherapeutic-Oncology)



#### Programme management

MINT Département de médecine interne

Academic Supervisor : Pierre Scalliet

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#### Teaching Committee

President : P. Scalliet

Members : GREGOIRE Vincent, KIRKOVE Carine, RENARD Laurette, RICHARD Françoise. One representative from the MACCS.

#### Selection Committee

The Selection Committee is composed of the members of the Teaching Committee, to which are added two guest members and two coopted members.

#### Study objectives

This complementary master's programme aims to prepare doctors to become officially recognised holders of the particular professional title of specialist Doctor in radiotherapeutic-oncology (Ministerial decree of 08.12.1980 published on 03.03.1980, modified by the ministerial decrees of 24.07.1990 and 11.04.1999).

#### Admission conditions

- The applicant must hold the degree title of Doctor in Medecine or be a Doctor from a member country of the European Union authorising medical practice in Belgium.
- The applicant must be in possession of a document attesting that, at the end of the selection exams, he was retained as a specialist candidate in Cardiology, in a Belgian medical faculty.

The juridical context and practical procedures regarding these selection tests can be obtained from the secretary's office.

Degree holders from outside the European Union are only allowed to register on the programme in the context of procuring a university certificate for partially specialised training for the duration of two years (if they are in the process of doing a specialisation in their country of origin) or for an in-depth specialised training course for the duration of one year (if they are already recognised as specialists in their own country).

The Royal Decree of the 30.05.2002, relating to the planning of the l'offre médicale published on the 14.06.2002, applies to those candidates wishing to obtain the title of specialist doctor in Radio-therapy oncology(those candidates are thus counted among the general practitioner candidates or specialists in the context of the numerus clausus).

#### Admission procedures

Applications for admission must be addressed to the academic supervisor.

The organisation of the entrance selection tests is arranged in accordance with the calendar and the general examination rules and regulations.

#### General structure of the programme

The training course comprises full time apprenticeships in recognised services and teaching centres. It lasts for at least five years, full-time, including at least two years of foundation studies and at least three years of higher studies. The apprenticeship project established by the university stage coordinator must be approved by the ministerial validation committee for the speciality. These periods of practical training include being on call.

#### Programme content

Parallel to his practical training, the specialist candidate will follow a university training programme organised as follows :

**First part - Foundation studies**

Two years of studies consisting of ("basic" subjects) :

- Theoretical courses : Atomic Physics, nuclear physics and radiation, Dosimetry and radiotherapy, general and special Radiobiology, Basic notions of radio-protection, Complements of radio-protection, special questions on radio-protection, Current techniques in irradiation, Radiophysicochemistry, Radiogenetics.
- Seminars
- A period of supervised hospital training

The theoretical sessions of the first two years form part of the specific university training programme (FUS, in French).

**Second part - Higher studies**

Three years of studies consisting of ("clinical" subjects) :

- Theoretical courses : Complements in cancerology, Complements in chemotherapy and antitumoral hormone therapy, Radio-therapy Techniques (including physical, dosimetric, radiobiological bases and clinical aspects), Tumour Pathology and radiopathology, Pharmacology
- Seminars : Seminars on diagnosing cancer
- A period of supervised hospital training : Oncology Policlinic (Oncological Chemotherapy)

**Evaluation****First part**

An evaluation of knowledge on the "basic" subjects is carried out at the end of the second year.

Further to the application of the Royal Decree of 16 March, 1999, at the end of his first two years of training, the candidate will receive an attestation proving that he has successfully accomplished a specific university training course.

**Second part**

An evaluation of knowledge on the "clinical" subjects corresponding to the higher studies is carried out at the end of the fifth year.

By way of reminder, an evaluation of knowledge is carried out on a national level at the end of the fourth year. This aims to test the "clinical" topics corresponding to the studies of the second part of the training course.

A **dissertation** (level of undergraduate, or a publication judged to be equivalent) is required. This will then be defended in public.

Besides this, an attestation of competence in radio-protection and in the basic disciplines (physics of ionizing rays, dosimetry, radiobiology) issued by the University is compulsory to obtain the ministerial recognition allowing the use of ionizing rays in radiotherapy.

Upon fulfilment of the above-described training requirements, the teaching committee will award the academic title in radiotherapy-oncology.

This title does not replace official recognition by the ministerial validation committee. It attests to the successful completion of an academic and scientific study programme in the context of specialised training leading to this validation.

A **Ph.D** in medical sciences, orientation : radiotherapy-oncology may be undertaken by the candidates who have obtained more than a 70% score in the exams and who have presented their undergraduate dissertation. This Ph.D (clinical orientation) must be of the standard level required for a Ph.D in terms of its originality and volume of data contained.