

Information

Professor Ph. COUCKE

Service de radiothérapie

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Presentation

Over the last decade, radiotherapy has evolved towards a speciality, with the specialist known as a clinical oncologist with a particular qualification in radiotherapy. The multidisciplinary nature of the speciality requires advanced training in various domains. Theoretical knowledge in physics and radiobiology constitute the foundations of modern radiotherapy. At the same time, the biology of tumors must be taught prior to the acquisition of a clinical competence in the various methods of treating cancer.

Added to a basic training (radiophysics, radiobiology, radioprotection, biology of cancer, therapeutic principles, legislation) is an advanced training course relating to oncology in general (epidemiology, prevention, screening, anatomopathology, semiology, diagnostic methods, staging, prognostic factors, therapeutic results), the general principles of the treatment (surgical and medical oncology, palliative care, psychosocial aspects), radiotherapy (methods used according to the disease, applied physics and dosimetric planning, technical aspects techniques of curietherapy, imagery, quality control), treatment by cytostatic methods (general and particular indications, applied clinical pharmacology, elaboration and prescription of therapeutic protocols, care and treatment of secondary effects) as well as research in oncology (evaluation of results, applied statistics, participation in therapeutical trials, translateral research).

Duration

* Five years of study: two years of basic training (FUS) and three years of specialised training.

Teaching collegiality

Coordinator : Philippe COUCKE

Daniel GILLAIN, Chantal HUMBLET, Roland HUSTINX, Nicolas JANSEN, Véra PIRLET, Françoise MALCHAIR, Philippe MARTINIVE, Michel MEURISSE, Jean-Olivier DEFRAIGNE, Philippe GILLET, Guy JERUSALEM.

First Year

Compulsory courses

RAON0001-1	<i>Inter-university theory courses : Lessons from the Belgian Association of radiotherapy and oncology (ABRO) : Radiophysics, radiobiology, radioprotection, clinical oncology, radiation oncology, medical informatics, 1st year - COLLÉGIALITÉ</i>	40	-	-	15
RAON0002-1	<i>University theory courses and seminars : Radiophysics, radiobiology, radiation protection, clinical oncology, radiation oncology, medical informatics, 1st year - COLLÉGIALITÉ - [150h SEM]</i>	50	-	[+]	15
MSTG2015-1	<i>Placements, 1st year - COLLÉGIALITÉ - [11half-d Internship]</i>	-	-	[+]	30

Second year

Compulsory courses

RAON0001-2	<i>Inter-university theory courses : Lessons from the Belgian Association of radiotherapy and oncology (ABRO) : Radiophysics, radiobiology, radioprotection, clinical oncology, radiation oncology, medical informatics, 2nd year - COLLÉGIALITÉ</i>	40	-	-	15
RAON0002-2	<i>University theory courses and seminars : Radiophysics, radiobiology, radiation protection, clinical oncology, radiation oncology, medical informatics, 2nd year - COLLÉGIALITÉ - [150h SEM]</i>	50	-	[+]	15
MSTG2015-2	<i>Placements, 2nd year - COLLÉGIALITÉ - [11half-d Internship]</i>	-	-	[+]	30

Third year

Compulsory courses

RAON0001-3	<i>Inter-university theory courses : Lessons from the Belgian Association of radiotherapy and oncology (ABRO) : Radiophysics, radiobiology, radioprotection, clinical oncology, radiation oncology, medical informatics, 3rd year - COLLÉGIALITÉ</i>	40	-	-	15
RAON0002-3	<i>University theory courses and seminars : Radiophysics, radiobiology, radiation protection, clinical oncology, radiation oncology, medical informatics, 3rd year - COLLÉGIALITÉ - [150h SEM]</i>	50	-	[+]	15

MSTG2015-3 *Placements, 3rd year - COLLÉGIALITÉ - [11half-d Internship]* - - [+] **30**

Fourth year

Compulsory courses

RAON0001-4 *Inter-university theory courses : Lessons from the Belgian Association of radiotherapy and oncology (ABRO) : Radiophysics, radiobiology, radioprotection, clinical oncology, radiation oncology, medical informatics, 4th year - COLLÉGIALITÉ* 40 - - **15**

RAON0002-4 *University theory courses and seminars : Radiophysics, radiobiology, radiation protection, clinical oncology, radiation oncology, medical informatics, 4th year - COLLÉGIALITÉ - [150h SEM]* 50 - [+] **15**

MSTG2015-4 *Placements, 4th year - COLLÉGIALITÉ - [11half-d Internship]* - - [+] **30**

Fifth year

Compulsory courses

RAON0001-5 *Inter-university theory courses : Lessons from the Belgian Association of radiotherapy and oncology (ABRO) : Radiophysics, radiobiology, radioprotection, clinical oncology, radiation oncology, medical informatics, 5th year - COLLÉGIALITÉ* 40 - - **15**

RAON0002-5 *University theory courses and seminars : Radiophysics, radiobiology, radiation protection, clinical oncology, radiation oncology, medical informatics, 5th year - COLLÉGIALITÉ - [150h SEM]* 50 - [+] **15**

MTFE2037-1 *Final work - COLLÉGIALITÉ* - - - **15**

MSTG2015-5 *Placements, 5th year - COLLÉGIALITÉ - [11half-d Internship]* - - [+] **15**