Block view of the study programme

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Additional information
Information
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Legal framework
5 April 1991 : Royal Decree setting the standards which radiotherapy services must meet to be approved as medical-technical services (Royal Decree of 17/09/2005, Article 1 - M.B. of 18/10/2005, p. 44531) in the meaning of Article 44 of the coordinated Law on Hospitals of 07/08/1987 (M.B. of 17/04/1991, p. 7959).
Presentation
The training programme in radiotherapy and oncological treatment began in October 2011 in response to staff requests but also to bridge the gap in specialist training.
Identification of specific radiotherapy tasks highlighted a training need in order to ensure the optimal treatment of oncology patients, particularly in radiotherapy.
This training programme is aimed at a wide variety of disciplines because the skills and tasks associated with Radiotherapy - Oncology treatment are varied and multi-disciplinary. In order to ensure quality and safety of radiotherapy patient treatment, the technical and highly technological aspects of these treatments are our priority. We are committed to retaining personal contact with oncology patients.
Objectives of the programme: The certificate in radiotherapy and oncology treatment aims to train technologists and dosimetrists with the skills to conduct specific tasks connected to radiotherapy treatment. Qualification in their field of activity will enable professionals to evolve in their roles, to acquire autonomy, professionalism and to be responsible for their acts and the consequences.
Presentation
The general aims of this training are as follows :
* to ensure the individual is competent in the area of treatments and dosimetry in radiotherapy,
  |*]to obtain concrete understanding of managing oncology patients,
* to be able to keep oneself up-to-date with changing techniques and knowledge,
* to be qualified for the radiotherapy labour market.

Special conditions of access / students concerned
Must hold at least a degree in nursing (Bachelors, A1), technology, Masters or hold professional experience in radiotherapy in the area of oncology. Interested individuals are requested to contact the head of the course in order for their application to be considered (CV + copy of degree).
Duration of the training
The complete 10 credit course lasts one year (nine months), over three to four half-days per month.
Courses programme
Collegiality
Coordinator : Pr Coucke
M. Morana, Pr Jerusalem, Dr Piret, N. Frenay, V. Baart, M. Devillers, E. Lenaerts, M. Delgaudine

Block 1

Compulsory courses

MCER0245-1 *Basis of radiotherapy* - Philippe COUCKE 25 - - **4**

- Basics of medical physics (including dose districbutions)
- Basics of Biology of cancer
- Basics of cancers
- Conduct a simulation
- Simulation run
- Course of treatment
- Equipment and simples treatment techniques (simulator, low energy, liear accelerator, cobalt therapy, brachytherapy)
- Quality and safety management in oncology (including Iso and EFQM approaches)
- Interest of dosimetry in vivo

- Techniques of complex treatments : IMRT, VMAT, stereotactic

MCER0246-1 *Pathology* - Pascal PIRET 20 - - **3**

- Detailed description of the treatment of cancer diseases by location (gastrointestinal, breast, lung, brain, urogenital, gynecological, ENT, blood) including complex radiotherapy treatments

Optional courses

Choose one option from the following :

Option "DOSIMETRY"

MCER0247-1 *Dosimetrists* - Véronique BAART 20 - - **3**

- Information for achieving dosimetries
- Practical module on the use of IT tools
- Introduction to the dosimetry of complex treatment

Option "NURSING IN RADIOTHERAPY"

MCER0248-1 *Technologists* - Nathalie FRENAY 15 - - **3**

- Information allowing optimal management of patients in simulation and treatment
- Practical module on the use of computer interfaces (imaging, treatment, in vivo dosimetry, quality control, ...)

Assessment
Multiple choice examination and open questions will take place during April. A mark of 12/20 is required to obtain the certificate.
Registration
Where ? : ULg : Lifelong learning and continuing education
Documents to be presented : Registration approval from the Dean
Enrolment fees :
- 500 # (including the optional module)
- Modular enrolment : 250 #/module