

Experts in radiophysics H/F

Informations générales



Entité de rattachement

Description du poste

Métier

Métiers Médico-techniques - Expert(e) en Physique Médicale

Intitulé du poste

Experts in radiophysics H/F

Type de contrat

CDI

Durée contractuelle

Temps plein

Durée contractuelle en %

100%

Description de la mission

The Medical Physics Expert (MPE) carries out the tasks of medical physics in all services using X-rays for diagnostic purposes in collaboration with the other members of the medical physics team.

A definition of the missions of the experts in radiophysics (MPE) in radiotherapy, nuclear medicine and radiology is presented in the Royal Decree of 20/07/2001 and its modifications in the Royal Decree of 20/02/2020.

The MPE is part of the common radiophysics service of the CUSL, the St-Jean Hospital in Brussels and the St-Pierre Hospital in Ottignies. The MPE is hierarchically dependent on the medical radiophysics service but functionally dependent on the services in which he performs his activities within the H. uni network.

- He participates in writing the specifications for invitations to tender, in the technical analysis of tenders and in the choice of equipment used in his field.
- He is responsible for the acceptance, commissioning and post-maintenance quality control of the equipment.
- He actively participates in the development of new projects related to the optimisation of techniques.
- He ensures that he develops and maintains his skills in his field of medical physics in order to keep his accreditation as required by the Royal Decree
- He participates in the teaching and training of the different members of the medical physics teams

- He supervises trainees
- He contributes to the analysis of events which have led or could have led to accidental or unintentional exposure.
- He collaborates, if necessary, in the development of corrective actions but also in proactive risk analysis.
- He participates in the development of procedures for each medical practice implemented in his field.
- He is involved in clinical audits.

ACTIVITIES related specifically to services using X-rays for radiotherapy.

- He is responsible for patient dosimetry, in collaboration with the other teams
- He is responsible for the machine dosimetry on the three site
- He is responsible for the dosimetry of radioactive source for Brachytherapy
- He has to participate in the scheduling of shifts during radiotherapy treatments.
- He is assisted in his tasks by Medical Physics Assistants (MPA).

ACTIVITIES related specifically to services using X-rays for diagnostic

- He is responsible for the dosimetry of patients undergoing medical exposure, including physical measurements to assess the dose received by these persons.
- He contributes to the optimisation of radiation protection of patients.
- He is responsible for the technical validation of internal and external dose studies.
- He participates in the department's quality assurance projects.
- He actively collaborates, within a multidisciplinary team, in two documented optimisation projects per year and per department in which at least one CT scan or interventional radiology equipment is used.
- He is responsible for the annual conformity check of the radiology departments' equipment and related departments using medical radiology equipment.

Profil

Required qualifications (degree(s), training, specific knowledge) :

- Degree in Physics (Master's degree) or equivalent.
- Recognized as an expert in medical physics in radiotherapy and in radiology by the AFCN (Federal Agency for Nuclear Control)
- If you do not have the double accreditation, you are ready to follow the internship to obtain it.

Desired qualifications :

- Computer skills and practical programming skills.
- Good knowledge of English (written and spoken), possibly Dutch
- A PhD, preferably in medical physics is an asset

Desired experience (know-how):

- Experience in medical physics activities in radiology (5 years of experience is an asset to be a training supervisor)
- Possible participation in publications

Specific skills

- You have a research, development and innovation orientation.
- You have the ability to manage development and innovation projects.
- You have a critical mind, you are rigorous and precise.
- You enjoy working in a multidisciplinary team, you are a good communicator and a good listener.
- You are willing to participate actively in national and international working groups in your field of expertise.
- You have didactic skills and enjoy supervising students.

Specific features of the function

- Within the framework of the joint radiophysics department in the H.uni network, the candidate for the position of expert in radiophysics will have 80% of time dedicate to the radiotherapy specialty and 20% of time dedicate to the radiology specialty

Avantages

We offer you:

- An attractive salary package: resumption of your seniority valued in the function, oversalary higher than the minimum rate of the joint committee in case of irregular services, end-of-year bonus
- A varied and exciting function in a state-of-the-art work environment
- A friendly, multidisciplinary and meaningful atmosphere
- Access to numerous training courses for the continuous development of your skills
- Career opportunities in the context of internal mobility
- A wooded site easily accessible (public transport or free parking) and local shops (food, pharmacy)
- 20 days of statutory leave plus 4 days of sector-specific leave and 4 days of extra-legal leave

Les avantages en tant que membre du personnel de Saint-Luc



Critères candidat

Niveau d'études requis

Master