





4.00 credits

40.0 h

Q2

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| Teacher(s) | De Patoul Nathalie ;Dumitriu Dana Ioana ;Dumont Damien ;Gheysens Olivier ;Jamar François (coordinator) ;Lhommel Renaud ;Lichtherte Sébastien ;Sterpin Edmond ;Vaandering Aude ; |
| Language : | French |
| Place of the course | Bruxelles Woluwe |
| Main themes | Unsealed sources: specific operational radioprotection; problems in a TEP unit, international recommendations and specific legislation; quality control; dose to patient evaluation (advanced discussions) ; dose optimisation ; conditions for hospitalisation and waste disposal (type of instructions, new radioprotection techniques, special paediatric questions). Radiotherapy: specific operational radioprotection; legislation and international norms ; quality control and quality assurance program ; evaluation and optimisation of dose to patient (advanced discussion) ; new techniques in radioprotection ; specific paediatric question ; sealed sources in brachytherapy ; procedures for loading and unloading sources ; quality control and source storage conditions ; type of instructions to the patients. Imaging: specific operational radioprotection; legislation and international norms ; quality control and quality assurance program ; evaluation and optimisation of dose to patient (advanced discussion) ; new techniques in radioprotection ; specific paediatric question Detailed regulation for control/ European directives. PS : part of RPR2120 (Evaluation of the risk of radioactive rejections in the environment in normal and accidental situation and emergency plans for the nuclear risks) must be followed as prerequisite : iodine administration in the event of nuclear accident. |
| Learning outcomes | |
| Faculty or entity in charge | CRPR |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Advanced Master in Radiotherapy-Oncology | RDTH2MC | 4 | |  |
| Certificat universitaire en physique d'hôpital | RPHY9CE | 4 | |  |
| Master [120] in Physics | PHYS2M | 4 | |  |
| Master [120] in Medical Physics | PHMD2M | 3 | |  |