





4.00 credits

40.0 h

Q2

Teacher(s)	De Patoul Nathalie ;Dumitriu Dana Ioana ;Dumont Damien ;Dupont Michaël ;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)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Certificat universitaire de contrôle physique en radioprotection (Classe I)	RCPA9CE	4		
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		