

Faculty of Medicine



RPR3010

Questions spéciales de radioprotection

[40h]

Teacher(s): Philippe Clapuyt, François Jamar, Pierre Scalliet (coord.), Patrick Smeesters, Jean-Paul Trigaux, Stefaan Vynckier

Language: French

Level: Third cycle

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.

Other credits in programs

ESP31DS/RP	Première année du diplôme d'études spécialisées en santé publique (Physique d'hôpital)	Mandatory
ESP32DS/RC	Deuxième année du diplôme d'études spécialisées en santé publique (Contrôle physique en radioprotection)	Mandatory