

Faculty of Medicine



RDGN3120 Methods, techniques and quality control in medical imaging

[25h+5h exercises]

Teacher(s): Philippe Clapuyt, Guy Cosnard, Etienne Danse, André Noël Dardenne, Jean-François De Wispelaere, Thierry Duprez, Pierre Goffette, Cécile GRANDIN, Frank Hammer, Marc LACROSSE, Baudouin Maldague (coord.), Jacques Malghem, Bernard Van Beers, Bruno Vande Berg

Language: French

Level: Third cycle

Aims

To offer to students in radiology the specialized knowledge about the methods of medical imaging. The technology and the cost-effectiveness of each radiological method will be underscored.

Main themes

In this annual course, the technology and the use of the diverse imaging methods are discussed. Films, videos and numerical slides presentations are used, and medical equipments are presented.

Content and teaching methods

- Technology and practical use of conventional Xrays (including numeric radiology), sonography, computed tomography, magnetic resonance imaging and nuclear medicine (including positron emission tomography).
- Characteristics of contrast agents
- Accidents related to radiological procedures
- Quality control in medical imaging
- Information technology
- Relations with patients and staff

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Examination consisting in multiple choice questions

Programmes in which this activity is taught

ESP3DS/R Diplôme d'études spécialisées en santé publique (radioprotection, experts pour établissements de classe 1)

Other credits in programs

ESP31DS/RP Première année du diplôme d'études spécialisées en santé publique (Physique d'hôpital) Mandatory