

CHU ULG - RADIOTHERAPY DEPARTMENT



The radiotherapy department of the Université de Liège (ULg) is related to the University Hospital (CHU) of the university, and the head of this department is also involved in the organization of a University Certificate of Radiation Oncology and Management Responsibilities organized by the Department of Radiotherapy of the University Hospital of Liège, University of Liège.

Research axes & Expertise

- Optimization of radiotherapy by designing adapted immobilization devices (prone breast irradiation system).
- Operational risk management in health care: development of models able to predict efficacy of safety barriers.
- Radiobiology: impact of ionizing irradiation on metastatic and invasive capacity of human tumour models.
- Stereotactic body radiation therapy with tracking methodology: use of CyberKnife for ablative treatment of lung cancer.
- Implementation of new digital technologies in various fields: augmented reality for training in professional skills, connected health care, patient empowerment, health literacy.

Application fields

- Radiotherapy
- Radiobiology
- Radiation Physics
- Risk management
- Digital health

Major projects/partnerships/collaborations

- Sagitilt. prone breast immobilization device in collaboration with AERIANE (Gembloux) and ORFIT (Wijnegem/Antwerpen)
- Near incidents reporting and in silico modeling for safety barrier efficacy assessment (Labege)
- Process management (HEC-Liège)
- Digital health (collaborations with Comunicare®, Cynaptek®, Intersysto® and Solidaris)

Key figures

- ~20 people

Contact

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