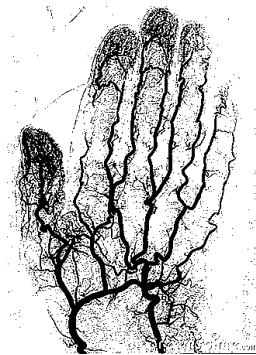
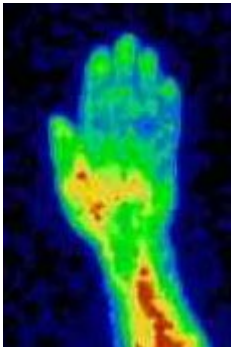


# The profession of medical radiology technician

Technical branch in medical radiology



# Medical radiology technician



Bachelor 3 years

A health profession

Midwife

nutrition and dietetics

nursing care

medical radiology technician

medical radiology technician

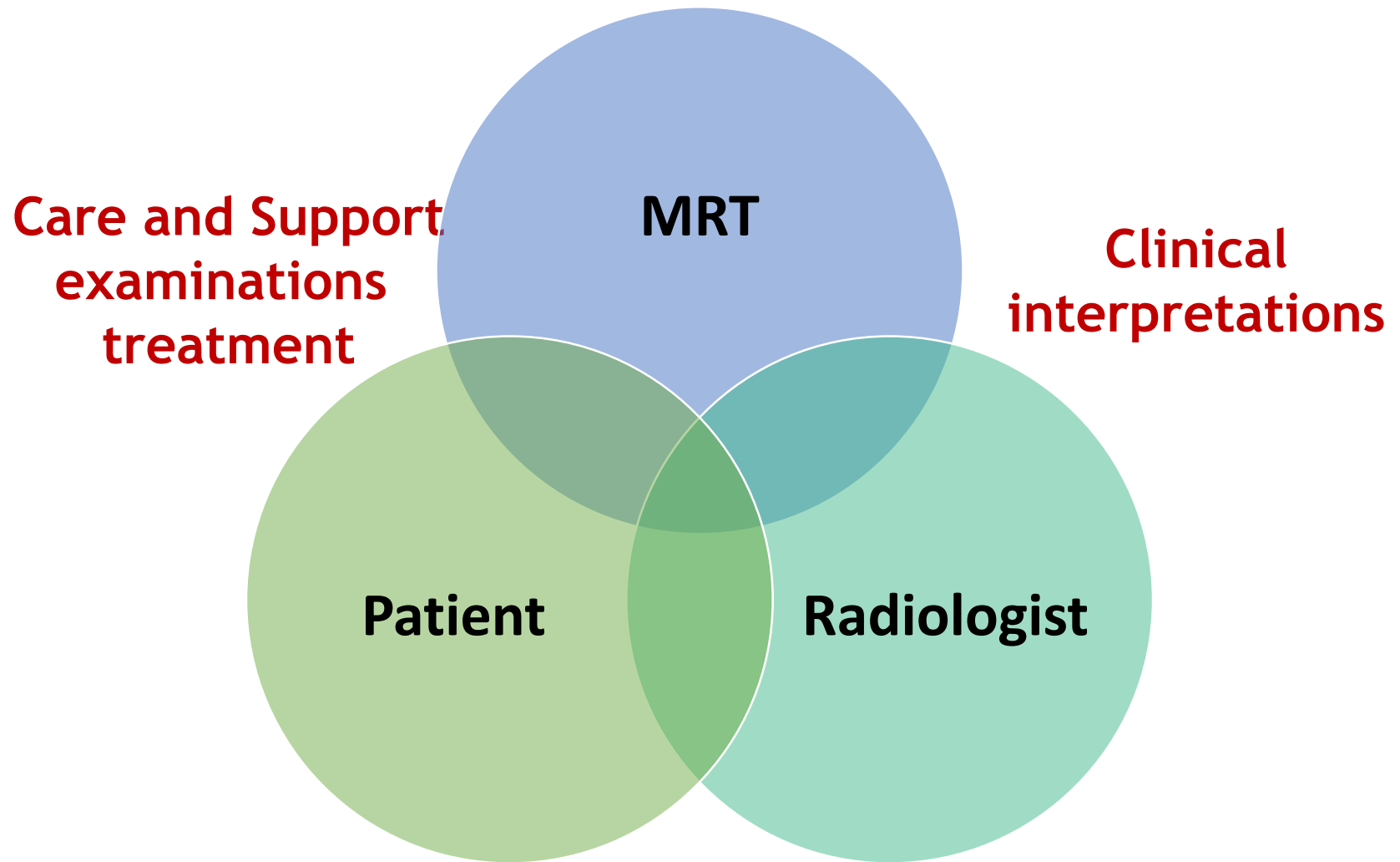


# MRT (Medical Radiology Technician)



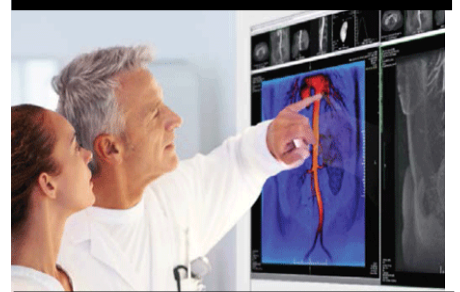
**technology and human relations**





# Objectives of the MRT

- ✓ Take charge of, supervise and inform patients..
- ✓ Preparation, positioning, and acquisition of images for diagnostic and/or therapeutic purposes.
- ✓ Handling and injection of contrast products or tracers.
- ✓ Carry out post-processing of images and judge their quality.
- ✓ Mastering sophisticated equipment and advanced techniques.
- ✓ Be an expert in radiation protection.



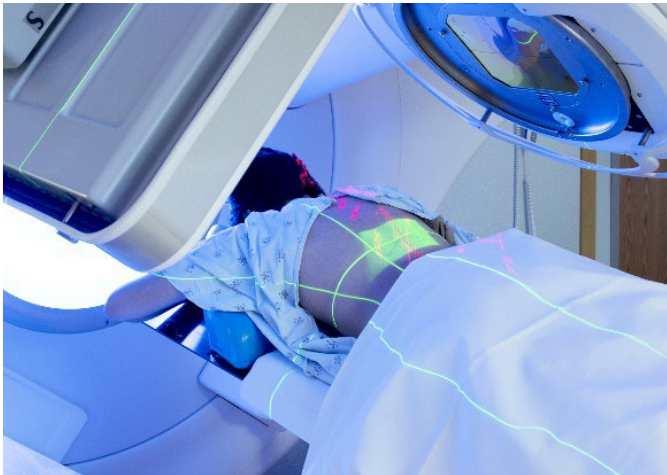
# The fields of radiology



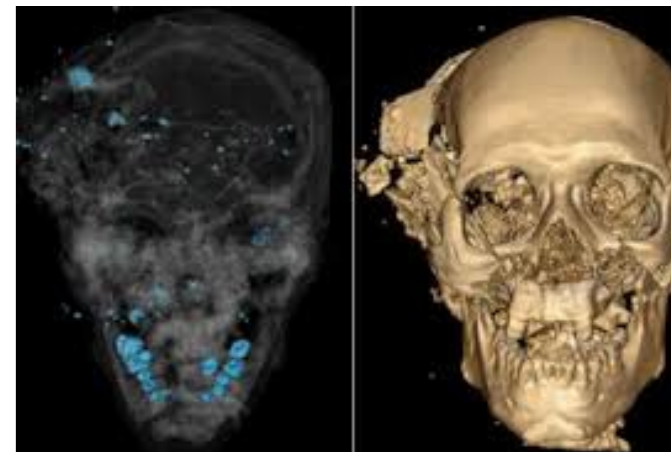
**RDGI** – General and interventional radiodiagnosis



**MN** – Nuclear medicine



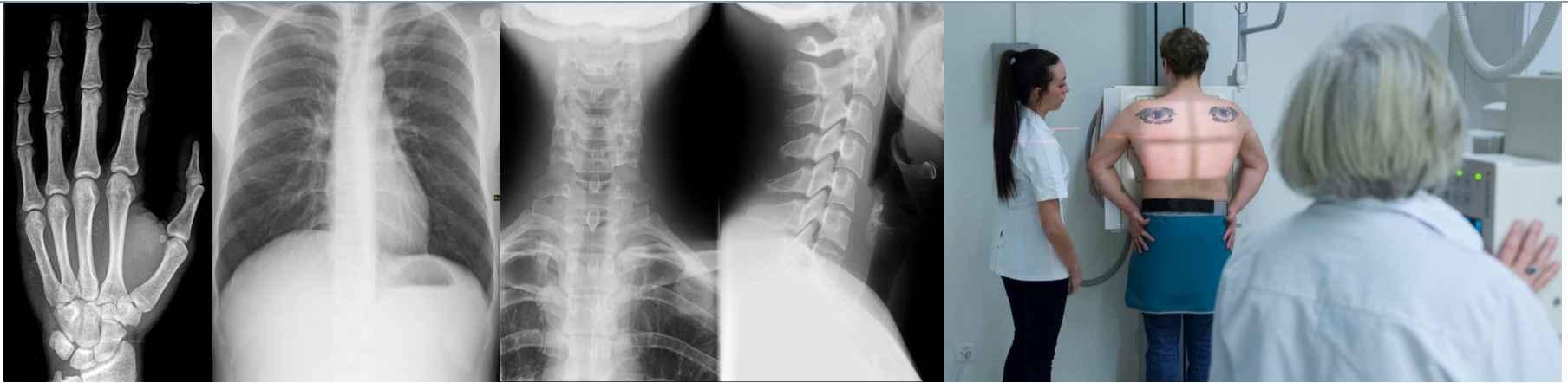
**RO** – Radio-Oncology



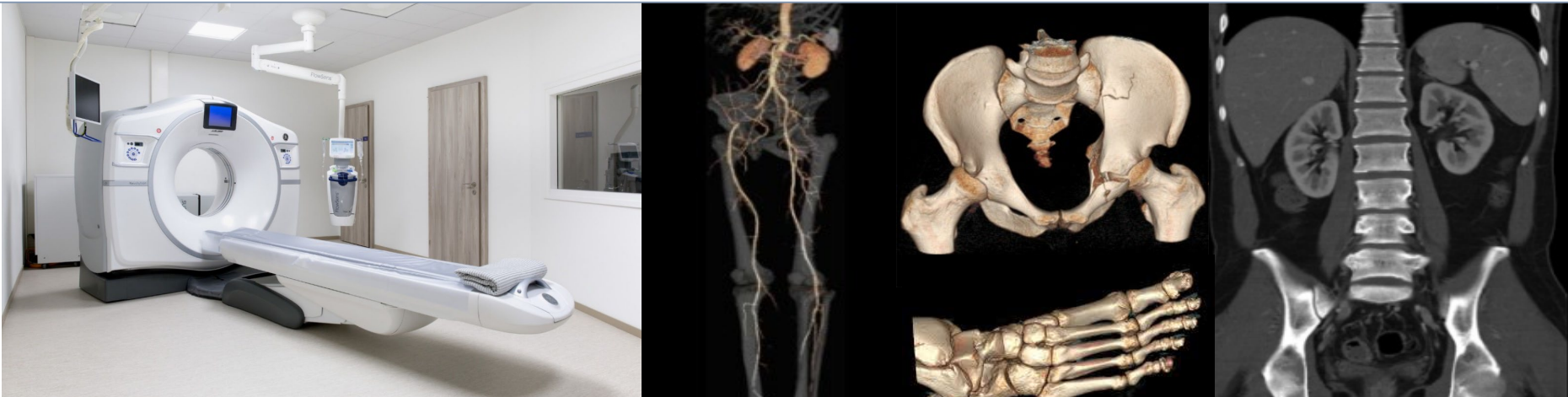
**RF** – Forensic radiology



## RADIOGRAPHY

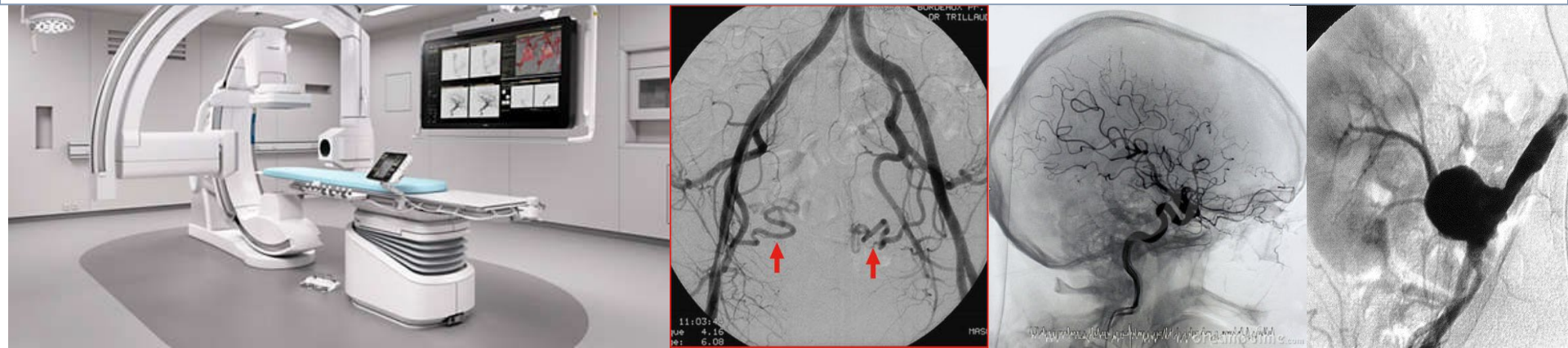


## CT- SCANNER

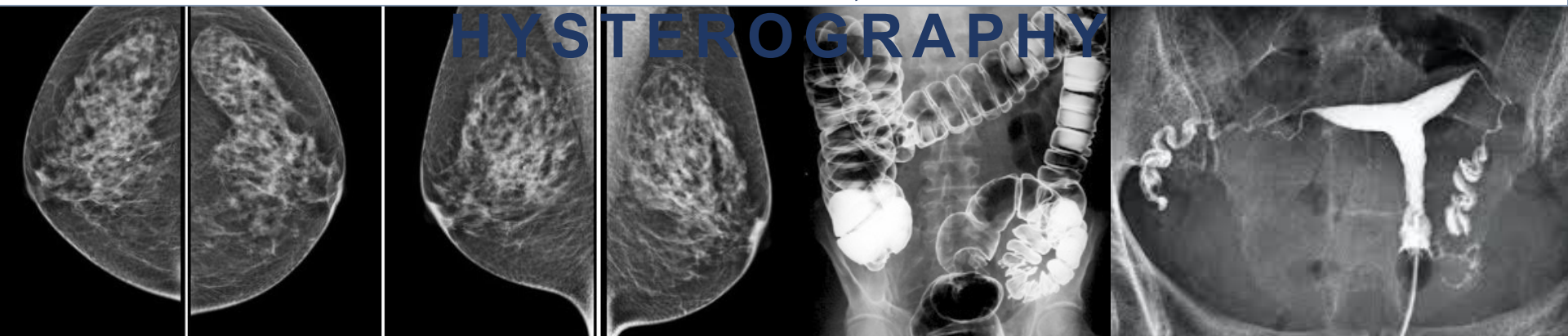




## Interventional examinations



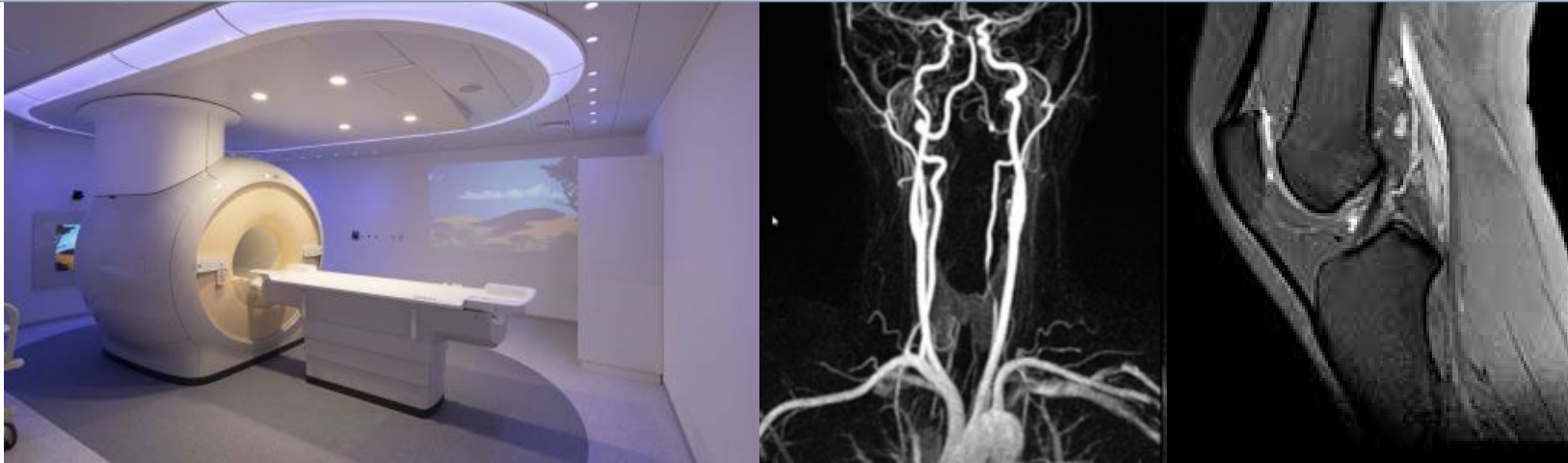
## MAMMOGRAPHY, TRANSIT & HYSTEROGRAPHY





# RDGI – General and interventional radiodiagnosis

## MRI/ magnetic resonance imaging



## Ultrasound



# MN – Nuclear Medicine

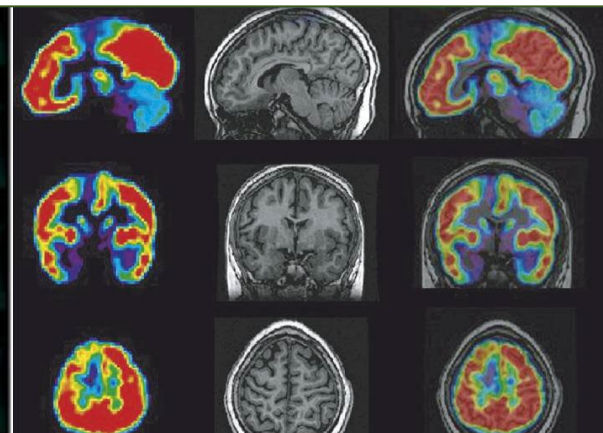
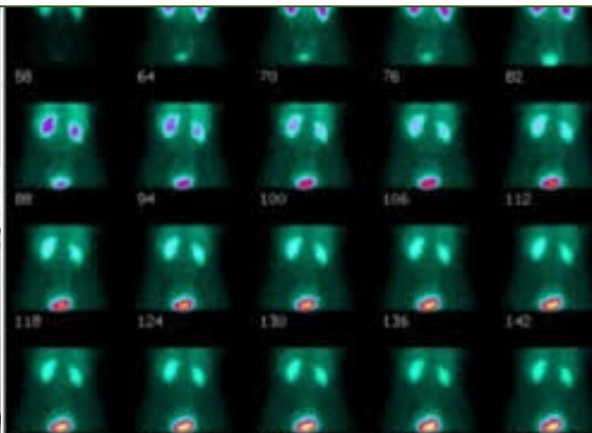


**Principle:** injection of radioactive substances administered in small quantities to determine how an organ functions and how it looks.

## PREPARATION OF THE RADIOACTIVE PRODUCT



## ACQUISITIONS



# RO – Radio-Oncology

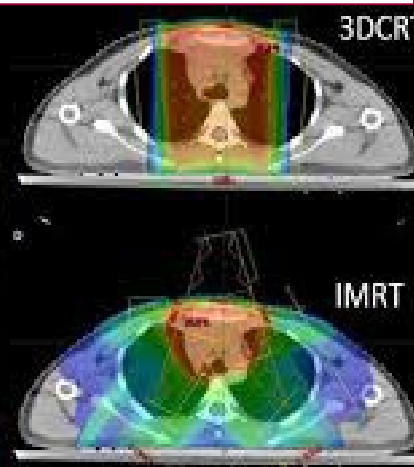
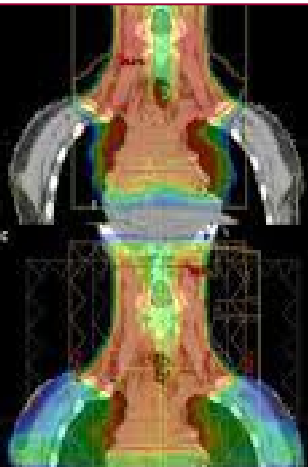
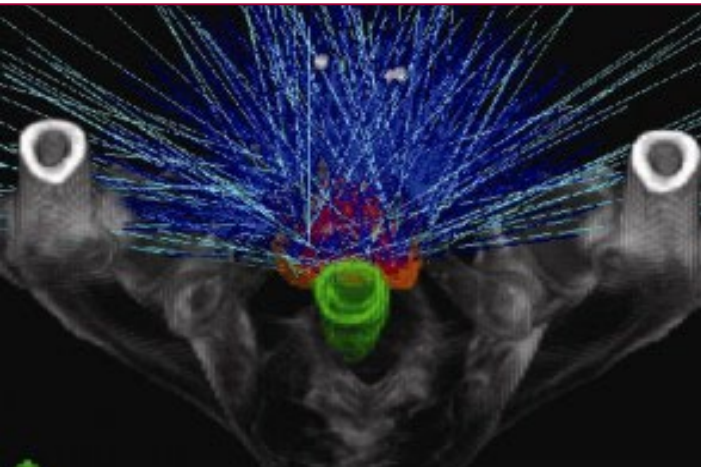


Treatment of cancerous diseases using ionizing radiation: X-rays, gamma rays, electrons or protons

## TREATMENT ROOM



## DOSIMETRY



# CONDITIONS OF ADMISSION

## Specific pathway

- Certificate of general knowledge with a health option + Specialized Maturity in Health
- Health CFC + Professional Maturité
- Certificate of general knowledge + Health CFC
- Diploma ES in health
- Bachelor's or Master's degree (Swiss) in medicine, pharmacy, osteopathy, psychomotricity or speech therapy
- Diploma in a non-specific pathway + Certificate of successful completion of complementary health modules (preparatory year)

## No specific pathway

- Gymnasium maturity
- CFC other than health + professional diploma in health and social work
- Certificate of general knowledge + CFC other than health
- professional or technical maturity other than health
- Specialized maturity other than health
- ES diploma other than health
- Bachelor's, Master's, Doctorate other than health (e.g. psychology, biology, etc.)
- French general baccalaureate
- Other foreign title

Preparatory year called  
« Modules Complémentaires  
Santé »

Inscription en Bachelor

# The MRT programm in brief



3 years of Bachelor' degree  
6 semesters



Bachelor of science HES-SO in  
Technical in medical radiology  
(180 crédit ECTS)



~ 5000 à 6500 CHF  
beginning

Looking forward to seeing you at the graduation ceremony 😊



# Professional perspectives

- Technician in hospitals, private practices
- Medical imaging companies (application engineer, sales technician)
- International cooperation and humanitarian aid
- Teaching and research

# Thanks for your attention!