TRAINING COURSES – Radiation Dosimetry and Protection cc

Radiation Protection Officer

Outcomes:

- Be able to identify and handle radioactive sources
- Knowledge of the characteristics and dangers of radioactive material
- Knowledge of the legal and specific requirements for identifying and handling radioactive material
- Be able to identify the risks associated with radioactive material
- How to handle, label, use and dispose of radioactive material
- Biological effects
- Safety and security of radioactive sources
- Radiation risks
- Safe Operating Procedures
- How to detect radiation
- The transport of radioactive sources
- Knowledge how to control radioactive material
- Workplace emergency procedures
- Radiation quantities
- How to prevent radiation accidents

Radiation Protection in iodine-131 radionuclide therapy

Outcomes:

- ^{131}I properties
- The “radioactive” patient
- The nursing area
- Decontamination
- Containment of a spill
- Radioactive waste
- Emergency procedures
- When patient may be discharged
- Accidents
- Emergency preparedness

Dose optimization in interventional radiology

Outcomes:

- Radiation effects and symptoms
- Stochastic and deterministic effects
- Dose limits
- Radiation burns
- Dose optimization
- Identification of procedures where patient doses are consistently unusually high
- Monitoring staff occupational doses
- Monitoring patient doses
- How to optimize patient and staff doses
- Dose trends

CPD accreditation

All our training courses have been accredited for Continuous Professional Development by the HPCSA

Radiation awareness

Outcomes:

- What are radioactive sources and x-rays?
- The necessity to be correctly informed about radiation
- Perceptions
- Radiation risks compared to everyday risks
- Radiation protection
- Responsibilities as a non radiation worker
- Radiation effects
- Radiation and Pregnancy