

## EXAMINABLE AREAS FOR MEDICAL PHYSICS

Performs the generic skills, demonstrates adherence to health and safety, professional behaviour and the knowledge and understanding defined in the work-base module.

Demonstrate the ability to observe, assist and perform under direct supervision, some basic routine procedures whilst working in accordance with local rules and safety regulations.

Perform some full range equipment life cycle procedures as an equipment user.

### **Dose planning and virtual simulation:**

Produce a range of Radiotherapy dose treatment plans using imaging data, defined treatment parameters, dose calculations and simulation processes to assist in the safest and most effective treatment being delivered to the patient

### **Mould room:**

Make safe and appropriate immobilization devices in accordance with local protocols.

### **Brachytherapy:**

Participates in the preparation and delivery of Brachytherapy treatment procedures

### **Quality Control of Radiotherapy:**

Undertake quality control procedures for Radiotherapy Systems

### **Dose Measurement:**

Demonstrate the ability to use a range of dosimeters for a variety of dose measurement types in accordance with established procedures

### **Image Guidance:**

Use image guidance to check and modify treatment plans following local protocols

### **Radiotherapy Practice:**

Apply a professional approach to all activities undertaken within the radiotherapy department

Demonstrate the understanding / skill / ability to measure and record levels of radiation

Calibrate a range of radiation measuring devices

Safely use and transport radioactive sources

Perform a range of tasks in the personal dosimetry service

Perform Commissioning and routine Quality Assurance tests on a range of Ionizing and non-ionizing equipment

Participate in patient dosimetry procedures for both Ionizing and Non-ionizing Applications

Set up, optimize and operate imaging equipment safely so as to be able to produce the highest quality results for interpretation across a range of nuclear medicine investigations

Perform Radiation Surveys for Radiation installations

Perform a range of acquisition and recording techniques used when carrying out Diagnostic Imaging procedures in Nuclear Medicine.

Use a dose calibrator in the preparation and measurement of radioactivity

Perform a range of Nuclear Medicine therapy procedures used in the clinical treatment pathway of patients