

## **RADIATION PROTECTION AND QUALITY ASSURANCE FOR RADIOLOGY DEPARTMENTS 2023**

### **ABOUT THE COURSE**

This course is designed to provide Core of Competence training for diagnostic radiographers to act as Radiation Protection Supervisor. It may also be beneficial to Radiology Managers who have overall responsibility for the management of radiation protection in their departments. Module 1 of the course aims to provide basic radiation protection training and is aimed at all staff involved with diagnostic radiology.

The course follows the Health & Safety Executive's syllabus for Radiation Protection Supervisors and covers the requirements of the IRR 2017 and IR(ME)R 2017 regulations as well as other relevant legislation and guidance. It also offers practical training for staff that are responsible for quality assurance testing on all types of X-ray equipment.

**Module 1** takes place on the Thursday. It provides basic training in radiation protection which is a mandatory requirement for all staff in diagnostic radiology. This forms the first part of the Core of Competence for RPSs.

**Module 2** takes place on the Friday and is dedicated to lectures and group problem-solving sessions on issues related to the management of radiation protection and the role of the Radiation Protection Supervisor. The module completes the Core of Competence.

**Delegates must attend Modules 1 & 2 to gain certification as a Radiation Protection Supervisor.**

The course aims to be friendly and informal to help create an ideal learning environment.

**Materials and Resources:** At the end of the course, all delegates will be provided with a wide range of useful resources to facilitate the management of radiation protection and regulatory compliance. These are covered in the course fee and include:

- A Radiation Protection Supervisors Handbook
- A Quality Assurance Handbook
- A template for Employer's Procedures requirement under IR(ME)R 2017
- A spreadsheet for setting and monitoring local diagnostic reference levels
- Radiation risk assessment templates (interactive documents)
- Electronic copies of the course presentations

## **COURSE CONTENTS**

- 1. BIOLOGICAL EFFECTS OF RADIATION** – stochastic and deterministic effects, radiation risks and their context
- 2. REGULATIONS & GUIDANCE** – the regulatory framework from the Health & Safety Executive, CQC, professional bodies, etc.
- 3. IONISING RADIATIONS REGULATIONS 2017** – implementation, risk assessment, incident reporting, personal dose monitoring, local rules, RPS role
- 4. IONISING RADIATION (MEDICAL EXPOSURE) REGULATIONS 2017** – implementation, duty holders, procedures and protocols, incident reporting
- 5. PATIENT DOSE AND DRLS** – quantities, assessment, values, risks, diagnostic reference levels (DRLs)
- 6. DOSE OPTIMISATION FOR STAFF AND PATIENTS** – principles and practice
- 7. MANAGEMENT OF RADIATION PROTECTION** – record keeping, handbooks, resources provided by RPC.
- 8. DUTIES OF THE RPS** – local rules, risk assessment, personal dose monitoring, compliance audits.
- 9. QUALITY ASSURANCE** – requirements, implementation, records, interpretation and actions to take following adverse results
- 10. PRACTICAL SESSIONS (1): QUALITY CONTROL TESTING OF X-RAY EQUIPMENT** – radiography (including digital), fluoroscopy and mammography.
- 11. PRACTICAL SESSIONS (2): RADIATION PROTECTION & PATIENT DOSIMETRY**

### **Testimonials:**

*“One of the best RPS courses I’ve ever been to. The standards in lesson delivery, knowledge & presentation was exemplary. The food and drinks reception were a lovely bonus”.*

*“The course was excellent and very well run.”*

*“Very enjoyable, content was very comprehensive.”*

*“Thank you for a lovely, well planned course. I have a good understanding of the RPS job role and have acquired knowledge of radiation protection for both myself and my patients.”*

For further info please e-mail: [info@sghrpc.co.uk](mailto:info@sghrpc.co.uk)