

## e-IRMER

A comprehensive e-learning resource for healthcare professionals who request or use diagnostic X-rays



# e-IRMER

**Ionising Radiation (Medical Exposure) Regulations**

- **Satisfies UK theoretical training requirements** for the medical exposure of patients to ionising radiations
- **Provides essential training** for doctors, nurses, radiographers, clinical technologists and other healthcare workers
- **Produced in the UK by the Institute of Physics and Engineering in Medicine (IPEM) and e-Learning for Healthcare**

*e-IRMER* is a web-based learning resource that supports the training of healthcare staff under the Ionising Radiation (Medical Exposure) Regulations 2000 (Amended 2006), (IR(ME)R). It is aimed at all healthcare staff who use X-rays for the diagnosis of patients – specifically operators, practitioners and referrers.

### An essential learning resource

*e-IRMER* provides the theoretical knowledge and understanding expected of referrers, such as doctors and other registered healthcare professionals. It also provides the core underpinning theory required under IR(ME)R for operators and practitioners.

## key features at a glance

- **Professional accreditation**  
*e-IRMER* has been developed in partnership with, and certified by, the IPEM. It satisfies the UK's regulatory theoretical training requirements for healthcare staff involved in diagnostic X-rays.
- **Multi-professional use**  
*e-IRMER* is aimed at non-radiological staff but it is also useful as a refresher or continuing professional development resource for radiographers and radiologists.
- **Convenient, easy access**  
Learners can study at their own pace and in their own time – at home, on the move or in the workplace. *e-IRMER* can be accessed via the Internet using a standard PC or laptop.
- **Interactive content**  
The learning content includes interactive features such as images and self-assessment exercises.
- **High-quality training**  
*e-IRMER* gives learners access to the same high-quality content – delivering consistent training for all.

In partnership with:



**IPEM** Institute of Physics and  
Engineering in Medicine

**NHS**  
Health Education England



Learners can dip into the content as required and revisit sessions as many times as needed. Self-assessment exercises test their knowledge, helping to reinforce learning on key themes. Users can track their progress online and print off certificates to provide evidence of training to their employer and also to the UK's Care Quality Commission for any inspections.

e-IRMER supports and enhances traditional learning, helping to fill in

knowledge gaps and providing a comprehensive reference tool. It is also an excellent educational resource for local training programmes.

### Flexible training

The learning material can be accessed 24/7 via the Internet, providing quick and convenient access. Learners can study around their professional commitments, without having to take time out of the workplace.

e-IRMER offers benefits for healthcare service providers too. New staff can complete their regulatory training online immediately rather than having to wait for a face-to-face training session. Furthermore, all staff have access to the same high-quality resources, regardless of their location.

e-IRMER offers an interactive learning resource for all healthcare professionals involved in X-ray work.

**PURCHASE NOW**

*“e-IRMER equips healthcare staff with the theoretical knowledge and understanding to ensure the highest levels of patient safety during medical exposures to X-rays.”*

**Stephen Evans, Head of Medical Physics,  
Northampton General Hospital NHS Trust**

## e-IRMER course modules

- Fundamental Physics of Radiation
- Radiation Protection
- Legal Requirements
- Diagnostic Radiology

## e-IRMER course content

- Interpretation of the regulations
- The basic physics associated with ionising radiations
- The risks associated with ionising radiations
- The radio-biological effects of exposure to ionising radiations
- The production of X-rays
- The applications of ionising radiations for diagnostic X-ray imaging (nuclear medicine to follow)
- Practical examples of how to reduce patients' exposures to ionising radiations
- Practical examples of the roles of duty holders

