Radiation protection awareness of healthcare staff – an essential issue in medical uses of ionizing radiation

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With the rapid advancement in medical use of ionizing radiation for both diagnostic and therapeutic purposes, the importance of radiation protection for healthcare professionals involved in the performance of radiological procedures, along with patient protection, has become more prominent. Accordingly, the International Atomic Energy Agency (IAEA) has established several safety standards and provides training materials and other resources to support improving radiation protection competence of the staff. In this regard, the general safety guide (GSG-7) provides general guidance on occupational radiation protection programmes. For the medical applications, this is complemented by the Specific Safety Guide (SSG-46) as well as safety reports, training materials, posters, and other informational resources on the Radiation Protection of Patient (RPOP) Website.

General Safety Guide (GSG-7) and Specific Safety Guide (SSG-46)

https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1785_web.pdf

https://www-pub.iaea.org/MTCD/Publications/PDF/PUB1775_web.pdf

RPOP Website (www.iaea.org/resources/rpop)

Radiation Protection of Patient (RPOP) – the leading resource for health professionals, patients and public on the safe and effective use of radiation in medicine.

For health professionals

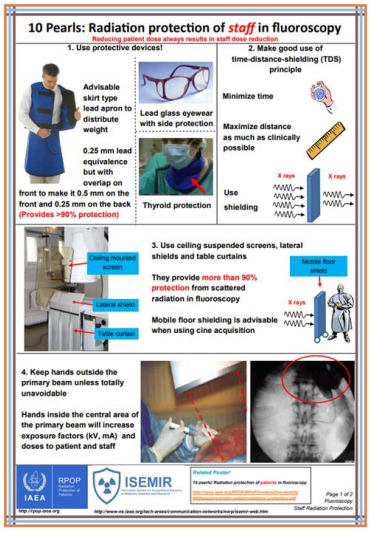
For patients and public

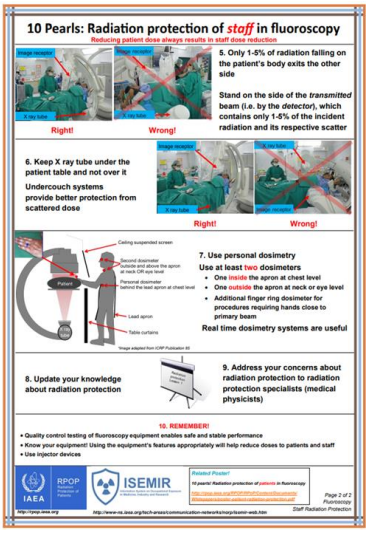
Training material on the RPOP webpage which includes occupational radiation protection in medicine (https://www.iaea.org/resources/rpop/resources/training-material)

- Diagnostic and interventional radiology (English, Spanish, Russian)
- Nuclear medicine (English, Spanish, Russian)
- Cardiology (English, Russian)
- PET/CT (English)
- Dental radiology (English, Spanish)
- Radiation Protection in Interventional Procedures: Practical Tutorials (English)

Poster (https://www.iaea.org/resources/rpop/resources/posters-and-leaflets)

10 Pearls: Radiation protection of staff in fluoroscopy (in 30 different languages)





Other resources

Summary of the IAEA Technical Meeting on Developing Effective Methods for Radiation Protection Education and Training of Health Professionals (https://www.iaea.org/sites/default/files/21/04/technical-meeting-on-developing-effective-methods-for-radiation-protection-education-and-training-of-health-professionals.pdf)

Bonn Call for Action Implementation Toolkit
https://gnssn.iaea.org/main/bonn-toolkit/Pages/Bonn-Call-for-Action-Implementation-Toolkit.aspx