

Joint ICTP-IAEA Workshop on Radiation Protection in Image-Guided Interventional Procedures



17 - 21 October 2022
An ICTP - IAEA Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9833/>
smr3743@ictp.it

The workshop aims to enhance knowledge on safety standards and good practice for radiation protection of patients and staff in image-guided interventional procedures, and to support improving practical skills and competences in this field.

Directors:

J. VASSILEVA, IAEA, Austria

Description:

The workshop will consist of lectures and practical sessions such as problem solving, case studies and information exchange among participants, who will gain knowledge on the safety aspects related to the use of imaging to guide various types of interventional procedures. The sessions will be highly intensive and interactive, and would expect participants to exhibit high degree of commitment and enthusiasm.

The workshop seeks to target experienced clinical medical physicists and radiation protection officers of departments performing image guided interventional procedures. Preference will be given to candidates who are also involved in providing training of interventionalists. The participant is expected to disseminate the contents of the workshop to other colleagues in their workplace and country.

Topics:

- Overview of image guided interventional procedures
- Radiation doses and related radiation risks for patient and staff
- State of the art of imaging technology
- Design of interventional radiology facility
- Occupational exposure monitoring and protective devices
- Quality assurance programme
- Patient dose assessment and monitoring
- Establishing and using DRLs
- Patient dose management and practical issues
- Optimization of radiation protection in different clinical applications
- Radiation protection in paediatric interventional procedures
- Radiation protection of pregnant patient and staff
- Prevention and management of overexposures
- Setting follow-up programme for patients at risk for tissue reactions
- International databases SAFRAD and ISEMIR
- International standards and guidance

Local Organiser:

R. PADOVANI, ICTP, Italy

Speakers:

G. BERNARDI, AOPN, Italy
P. BREGANT, ASUGI, Italy
L. DE PAOLI, Klagenfurt Clinic, Austria
A. KYLE JONES, MD Anderson Cancer Center, USA
A. ROGERS, NKS, UK
A. TRIANNI, APSS Trento, Italy

How to apply:

Online application:
<http://indico.ictp.it/event/9833/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

31 July 2022



The Abdus Salam
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for Theoretical Physics
www.ictp.it
Trieste, Italy

