



The Abdus Salam
**International Centre
for Theoretical Physics**



Joint ICTP-IAEA Workshop on Radiation Protection in Diagnostic and Therapeutic Nuclear Medicine

Description:

The workshop provides specialized training on safety standards and best practices for radiation protection of patients and staff in nuclear medicine, thereby supporting the reduction of potential radiation risks and fostering a strong safety culture while ensuring optimal patient care.

MORE INFORMATION:

The clinical applications of nuclear medicine procedures are rapidly expanding, offering substantial benefits to patients. However, the introduction of new technologies, procedures, and radiopharmaceuticals necessitates specific safety measures to ensure the radiation protection of both patients and staff.

This workshop is designed to enhance knowledge and facilitate the exchange of expertise to ensure the safe application of nuclear medicine techniques in both diagnosis and treatment, while addressing the challenges and risks posed by the continuous evolution in this field.

Primarily targeted at experienced clinical medical physicists in nuclear medicine, this workshop is particularly relevant for those from departments planning to introduce new methods or radiopharmaceuticals into clinical practice. Participants are expected to present their department's radiation protection programme.

TOPICS:

- Nuclear medicine facility planning and shielding calculations
- Management of radioactive materials and radiation waste
- Workplace and personal dose monitoring practices
- Radiation protection during the production and administration of radiopharmaceuticals
- Practical strategies for optimizing radiation protection of patients and staff members
- Release of patients following diagnostic or therapeutic procedures
- Nuclear medicine procedures during pregnancy and breastfeeding
- Prevention and management of incidents and incident reporting mechanisms
- Safety culture

TOPICS:

S. Chauvie, Santa Croce e Carle Hospital, Cuneo, Italy

J. Kurth, Department of Nuclear Medicine, Rostock University Medical Center, Germany

M. Marengo, University of Bologna and Veneto Institute of Oncology, Castelfranco Veneto, Italy

F. Vanhavere, SCK CEN, Belgium



10 - 14 November 2025



Trieste, Italy



Deadline:

25 August 2025

DIRECTOR:

C. Rizk, (IAEA, Austria)

LOCAL ORGANISER:

M. Esposito, (ICTP, Italy)

FURTHER INFORMATION:



E-mail: smr4112@ictp.it

Web: <https://indico.ictp.it/event/10877>

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.

