

International Conference on

Radiation protection in medicine

X ray vision

8–12 December 2025
Vienna, Austria

Ionizing radiation brings significant benefits to humankind in medical uses, such as the diagnosis and treatment of diseases. However, the use of ionizing radiation also carries a risk, and the unintended and unnecessary use of radiation in medicine should be avoided, creating the need for radiation protection implementation.

The latest research (UNSCEAR 2020/2021 Report Volume I) shows that about 4.2 billion medical radiological examinations are performed each year, and this number continues to grow: for example, more computed tomography scanners are being installed in clinics around the world to replace conventional X ray procedures, while in nuclear medicine therapy, there is increasing use of radionuclides for medical treatment. In addition, an estimated 6.2 million courses of radiation therapy treatment are performed each year. New medical radiation technology and procedures continue to be developed.

The IAEA, which plays a central role for health professionals, patients and the public on the safe and effective use of radiation in medicine, is holding an international conference on *Radiation Protection in Medicine – X Ray Vision* co-sponsored by the World Health Organization and the Pan American Health Organization, to review significant global developments in the radiation protection and safety of patients and health professionals, and to collaborate in identifying and addressing future challenges and opportunities.

Objectives

The conference will aim to:

- Review actions and developments to strengthen radiation protection in medicine over the last decade, especially focusing on actions taken in line with the Bonn Call for Action by all relevant parties;
- Consider the overall approach to the implementation of these actions and the harmonization of activities between international organizations and other stakeholders;
- Allow stakeholders to assess and look ahead at new developments impacting on radiation protection in medicine, so that future priorities can be formulated.

Main topics

The scope of the conference includes optimization and justification in medical exposure; safety in medical uses of ionizing radiation; and radiation protection of patients, medical staff and the public, when ionizing radiation is used for diagnosis, intervention, therapy or research. Topics are available on the conference website: [International Conference on Radiation Protection in Medicine: X Ray Vision](#).

Audience

The conference is directed at a wide audience with an interest in radiation protection in medicine. In particular: health professionals and referring medical practitioners; physicians practicing in radiological imaging, nuclear medicine and radiotherapy; representatives of patient organizations; health researchers, academics and communicators; regulatory authorities.

Key deadlines

- 30 May 2025:** Submission of poster abstracts through IAEA-INDICO
- Submission of Form B (together with Form A) through the InTouch+ platform
- 11 July 2025 or after:** Notification of acceptance of abstracts for poster presentation
- 18 July 2025:** Submission of Form C (together with Form A) through the InTouch+ platform
- 3 December 2025:** Submission of Form A only (no paper submission, no grant request) through the InTouch+ platform

Registration

No registration fee is charged.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants.

Language

The working language of the conference will be English.

IAEA contacts

Scientific Secretary of the conference

Ola Holmberg

Radiation Protection of Patients Unit
Radiation Safety and Monitoring Section
Department of Nuclear Safety and Security
Tel.: +43 1 2600 22718
Email: RADPROM2025@iaea.org

Administration and organization

Nancy Herter

Conference Services Section
Division of Conference and Document Services
Department of Management
IAEA-CN-338; EVT23006602
Tel.: +43 1 2600 21315
Email: Conference.Contact-Point@iaea.org

Conference web page

Please visit the IAEA conference web page regularly for new information regarding this conference:
www.iaea.org/events/radprom2025

Please include reference number IAEA-CN-339 in all communications.

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