



IAEA

Atoms for Peace
and Development

International Conference on Radiation Protection in Medicine: X Ray Vision

**IAEA Headquarters
Vienna, Austria**

8–12 December 2025

**Organized by the
International Atomic Energy Agency (IAEA)**

In co-sponsorship with the

World Health Organization (WHO)
and the
Pan American Health Organization (PAHO)

Announcement and Call for Papers

A. Background

Ionizing radiation brings huge 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 IAEA was requested by its General Conference in 1999 to organize an international conference on radiation protection of patients. This conference was held in March 2001 in Malaga, Spain, and set in motion an international action plan, guiding international efforts in patient protection.

Considering trends and developments, the IAEA decided to hold its second conference on radiation protection in medicine in 2012 in Bonn, Germany. The conference aimed to focus efforts in this area and develop a strategy for the following decade so as to maximize the positive impact of future international work. This resulted in the [Bonn Call for Action](#).

During the five years following the Bonn conference, initiatives were taken by professional societies to form regional radiation protection campaigns. An increasing number of articles appeared in journals in the area of patient, occupational and public medical radiation protection. There were also technological advances in imaging, therapy and dosimetry equipment with a focus on radiation protection.

Five years after the Bonn conference, the progress of implementation of the [Bonn Call for Action](#) and appraisal of advances in the field was discussed at the third conference on radiation protection in medicine in 2017 at the IAEA headquarters in Vienna. On the topic of international cooperation emphasis was placed on the development of the Bonn Call for Action implementation toolkit, and on sharing available implementation resources created by different organizations.

More than a decade after the Bonn Call for Action was agreed, there is a strong need for formulating a position on priorities for the next decade, identifying future challenges and opportunities. In this regard the IAEA has decided to hold the next conference on this topic at its Headquarters in Vienna from 8 to 12 December 2025.

B. Purpose and Objectives

The purpose of the event is to review significant global developments in the radiation protection and safety of patients and health professionals, taking into account current trends and advances in medical radiation technology and procedures, and to identify future challenges and opportunities. The impact of the decade-long Bonn Call for Action on strengthening radiation protection in medicine will be assessed in line with the vision of formulating a robust strategy for the next decade.

The objectives include:

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

C. Themes and 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 public, when ionizing radiation is used for diagnosis, intervention, therapy or research. The conference will cover, but is not limited to, the following topical areas:

- Activities relating to the Bonn Call for Action, and their impact.
- Justification in the use of radiation in medicine.
- Radiation protection of patients and staff in diagnostic radiography, fluoroscopy and computed tomography.
- Radiation protection in mammography, dental and maxillofacial imaging and other diagnostic modalities.
- Radiation protection of patients and staff in interventional procedures.
- Radiation protection in medical exposures of children and pregnant women.
- Radiation protection of patients and staff in radiotherapy including brachytherapy.
- Learning from unintended and accidental exposures in medicine.
- Radiation protection of patients, staff and the public in diagnostic and therapeutic nuclear medicine and hybrid imaging.
- How are we strengthening radiation safety culture in healthcare?
- How are we fostering and improving the radiation benefit/risk dialogue?
- How are we meeting radiation protection challenges in design and implementation of new medical technologies, including artificial intelligence?
- How are we meeting challenges in patient dose recording, tracking and data management?
- Regional radiation safety campaigns.
- Topics for future research and development in medical radiation protection.

D. Structure

The conference's format will be single track with plenary sessions, without parallel sessions. Representatives from health professions, international organizations, academia and authorities will be delivering oral presentations and participating in panel discussions.

The **opening session** will include welcome addresses from the IAEA and the Conference President, followed by opening talks from the co-sponsors. This session will be further complemented by a keynote presentation on the importance and unique aspects of radiation protection in medicine.

A series of twelve **topical sessions** will cover selected areas of radiation protection in medicine. The topic of each session will be introduced by a chairperson, followed by three invited presentations and a

summary of the session-related contributed abstracts presented by a rapporteur. Each topical session will conclude with a plenary discussion.

Three round table discussions on radiation protection for patients will be dedicated to identifying recommendations for future actions. After an introduction of the topic by the chairperson, brief statements will be delivered by the panel members. Following a summary of the relevant contributed abstracts by a rapporteur, a plenary discussion involving the audience will take place.

Finally, during the **concluding session**, the chairpersons of the topical sessions and round table discussions will present their summaries and the Conference President will present the conference findings, conclusions and recommendations on the way forward. The IAEA and the co-sponsors will close the conference.

E. Expected Outcomes

The conference is expected to benefit relevant and interested parties in the international community, as well as the patients, considering that the discussion and information exchange will help to:

- Formulate new findings and priorities relating to radiation protection and safety in medical uses in the next decade, building on the Bonn Call for Action;
- Strengthen the position of and improve radiation protection in medicine globally, taking into account the diverse challenges in radiation protection in medicine nationally, regionally and globally;
- Identify approaches to radiation protection challenges from imaging and therapy modalities that have developed over the last years, or that are still under development;
- Strengthen the radiation safety culture in medicine globally.

F. Target Audience

The conference is directed at a wide audience with an interest in radiation protection in medicine. In particular:

- Health professionals, e.g. physicians practising in radiological imaging, nuclear medicine and radiotherapy; referring medical practitioners;
- Medical physicists, medical radiation technologists; radiopharmacists; radiation protection professionals and engineers;
- Healthcare managers, health economists and risk communication experts;
- Representatives of patient organizations and manufacturers; health researchers and academics;
- Representatives of health authorities and regulatory authorities with a special responsibility in this field;
- The IAEA highly encourages the participation of women, early career professionals and individuals from developing countries.

G. Call for Papers

Contributions on the topics listed in Section C are welcome as poster presentations. All submissions, apart from invited papers, must present original work, which has not been published elsewhere.

G.1. Submission of Abstracts

Abstracts (approximately 150 to 200 words on one A4 page, may contain any charts, graphs, figures and references) should give enough information on the content of the proposed paper to enable the Programme Committee to evaluate it. Anyone wishing to present at the conference must submit an abstract in electronic format using the conference's file submission system ([IAEA-INDICO](#)), which is accessible from the conference web page (see Section Q). The abstract can be submitted through this system until **2 May 2025**. Specifications for the layout will be available on IAEA-INDICO. The system for electronic submission of abstracts, IAEA-INDICO, is the sole mechanism for submission of contributed abstracts. Authors are encouraged to submit abstracts as early as possible. The IAEA will not accept submissions via email.

In addition, authors must register online using the InTouch+ platform (see Section H). The online registration together with the auto-generated Participation Form (Form A) and Form for Submission of a Paper (Form B) must reach the IAEA no later than **2 May 2025**.

IMPORTANT: The Programme Committee will consider uploaded abstracts only if these two forms have been received by the IAEA through the established official channels (see Section H).

G.2. Acceptance of Abstracts

The Secretariat reserves the right to exclude abstracts that do not comply with its technical or scientific quality standards and that do not apply to one of the topics listed in Section C.

Authors will be informed by **20 June 2025** as to whether their submission has been accepted as a poster, for presentation at the conference. Accepted abstracts will also be reproduced in an unedited electronic compilation of abstracts which will be made available to all registered participants of the conference.

G.3 Proceedings

Following the conference, the IAEA will publish a report. The proceedings will be made available to read online.

H. Participation and Registration

All persons wishing to participate in the event must be designated by an IAEA Member State or should be a member of an organization that has been invited to attend.

Registration through the InTouch+ platform:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):

- Persons with an existing NUCLEUS account can [sign in here](#) with their username and password;
- Persons without an existing NUCLEUS account can [register here](#).

2. Once signed in, prospective participants can use the InTouch+ platform to:

- Complete or update their personal details under ‘Basic Profile’ (if no financial support is requested) or under ‘Complete Profile’ (if financial support is requested) and upload the relevant supporting documents;
- Search for the relevant event (**EVT2306602**) under the ‘My Eligible Events’ tab;
- Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating authority’ (if an invited organization is not listed, please contact Conference.Contact-Point@iaea.org);
- If applicable, indicate whether a paper is being submitted and complete the relevant information;
- If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
- Based on the data input, the InTouch+ platform will automatically generate Participation Form (Form A), Form for Submission of a Paper (Form B) and/or Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application together with the auto-generated form(s) will be transmitted automatically to the required authority for approval. If approved, the application together with the form(s) will automatically be sent to the IAEA through the online platform.

NOTE: Should prospective participants wish to submit a paper or request financial support, the application needs to be submitted by the specified deadlines (see section N).

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

If it is not possible to submit the application through the InTouch+ platform, prospective participants are requested to contact the IAEA’s Conference Services Section via email: Conference.Contact-Point@iaea.org.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency’s Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

I. Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the conference. The IAEA has, however, limited funds at its disposal to help cover the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA’s view, the participant will make an important contribution to the conference.

If participants wish to apply for a grant, they should submit applications to the IAEA using the InTouch+ platform through their competent national authority (see Section H). Participants should ensure that applications for grants are:

1. Submitted by **2 May 2025**;
2. Accompanied by Grant Application Form (Form C); and
3. Accompanied by Participation Form (Form A).

Applications that do not comply with the above conditions cannot be considered.

Approved grants will be issued in the form of a lump sum payment that usually covers **only part of the cost of attendance**.

J. Distribution of Documents

A preliminary and final programme will be made available on the conference web page (see Section P) prior to the start of the conference. The electronic compilation of abstracts will be accessible free of charge to participants registered for the conference.

K. Working Language

The working language of the conference will be English. All communications must be sent to the IAEA in English.

L. Venue and Accommodation

The conference will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

Participants must make their own travel and accommodation arrangements. Hotels offering a reduced rate for participants are listed on <https://www.iaea.org/events>. Please note that the IAEA is not in a position to assist participants with hotel bookings, nor can the IAEA assume responsibility for paying fees for cancellations, re-bookings and no-shows.

M. Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria as early as three months but not later than four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

For more information, please see the Austria Visa Information document available on <https://www.iaea.org/events>.

N. Key Deadlines and Dates

Submission of abstracts through IAEA-INDICO	2 May 2025
Submission of Form B (together with Form A) through the InTouch+ platform	2 May 2025
Submission of Form C (together with Form A) through the InTouch+ platform	2 May 2025
Notification of acceptance of abstracts for poster presentation	20 June 2025
Submission of Form A only (no paper submission, no grant request) through the InTouch+ platform	3 December 2025

O. Conference Secretariat

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on administrative matters to the IAEA's Conference Services Section.

P. Conference Web Page

Please visit the IAEA conference [website](#) regularly for new information regarding this conference.