



Regional Workshop on Strengthening Training, Quality of Care and Research for the Successful Implementation of Advances in Radiation Oncology and Diagnostic Imaging

Hosted by

Department of Radiation Oncology
Ege University Faculty of Medicine & Hospital, Izmir, Türkiye

22-24 October 2026

Ref. No.: MT-RER-6043- EVT2604253

Information Sheet

Purpose

The overall objective of the workshop is to discuss and share experience with Rays of Hope Anchor Centres to support the effective implementation of advances in diagnostic imaging, nuclear medicine and radiation oncology towards precision oncology, through enhanced education, quality of care and regional collaboration. The event will combine an educational component focused on recent developments and practical considerations in these fields with a networking and brainstorming component aimed at discussing regional priorities, identifying shared needs and opportunities, and updating the regional workplan for education and quality of care.

Working Language(s)

The working language of the event will be **English**.

Deadline for Nominations

Nominations received after **24 August 2026** will not be considered.

Project Background

Radiation medicine is an indispensable component of cancer management and is essential in the diagnosis, staging and follow-up of cancer patients, half of whom require radiotherapy, which is a powerful tool in the treatment of cancer. IAEA developed the Rays of Hope (RoH) initiative to establish a sustainable radiation medicine service in all Member States (MSs). The initiative is based on innovative research and a focus on sustainability and will build or strengthen radiation safety legislation and infrastructure, and will provide quality control, guidance, training, and equipment. The main problem of radiation medicine in the European TC (TCEU) region is the lack of skilled staff. Many MSs in the region are lacking formal training programmes in radiation medicine and continuing medical education programmes are limited or non-existent. Across the region radiation medicine infrastructure has been modernized, however full capacity of the modern equipment cannot be utilized due to the inadequate training of the personnel in many facilities in the TCEU region. The IAEA supports TCEU MSs by providing guidelines, publications, fellowships, courses, meetings, and educational events. Although some regional projects include education and training, there is a need to implement a project dedicated to the education and training of health professionals which will harmonize all these activities in an orchestrated manner. RoH is an excellent opportunity to provide long-term education and training to TCEU MSs. Selected anchor centres in the TCEU region, capable of organizing and providing educational activities, can be the foci of the project. The success of the proposed RoH project depends on long-term commitment and good collaboration between the IAEA, anchor centres and MSs.

Scope and Nature

The workshop will be organized as a three-day event combining educational sessions, peer exchange, networking and facilitated discussions among Rays of Hope Anchor Centres. The educational component will focus on recent and emerging advances in diagnostic imaging, nuclear medicine and radiation oncology that support precision oncology, including multimodality imaging, adaptive radiotherapy, theranostics, particle therapy, motion management and the integration of digital and AI-enabled approaches into clinical practice. The sessions will highlight practical considerations for implementing these advances in different regional contexts, with attention to education, training, quality management and safe, effective patient care.

The networking and brainstorming component will provide a structured forum for Anchor Centres to share their current educational capacities, quality assurance approaches, training models and implementation challenges. Through roundtable discussions and working group sessions, participants will identify regional gaps and priorities, explore opportunities for harmonizing training standards and quality assurance practices, and update the regional workplan for education and quality of care. The expected outputs include a clearer mapping of regional needs and capabilities, agreed priority actions, and a practical roadmap to strengthen collaboration among Anchor Centres over the subsequent implementation period.

Participation

Each participating Anchor Centre is expected to nominate up to 4 representatives, radiation oncologists, nuclear medicine physicians, radiologist and medical physicists, who can actively contribute to the educational and networking components of the event, share relevant institutional experience, and support follow-up actions within their Anchor Centre and region after the workshop.

Participants' Qualifications and Experience

The target audience for the workshop includes radiation oncologists, nuclear medicine physician, radiologist and medical physicists, who are designated counterparts from Rays of Hope Anchor Centres and are directly involved in the implementation of the Anchor Centre workplan. Participants should be familiar with their Centre's current workplan, including planned activities related to education, training, quality of care and the implementation of advances in radiation oncology and diagnostic imaging.

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Search for the relevant technical cooperation event (EVT2604253) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

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

Should online application submission not be possible, candidates may download the nomination form for the training course from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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