



# **Regional Training Course on Practical Aspects of Paediatric Radiotherapy: Module I**

**Hosted by**

Princess Máxima Center for Paediatric Oncology  
in collaboration with the  
University Medical Center Utrecht

**15-19 December 2025**

**Ref. No.: TN-TC - RER6043 - EVT2503808**

## **Information Sheet**

### **Purpose**

The purpose of the event is to train the participants on the practical aspects of paediatric radiotherapy.

Learning objectives include:

- Gain comprehensive knowledge of the most common indications for radiotherapy in children and adolescents cancer care.
- Learn the principles and practices of multidisciplinary management in paediatric oncology.
- Master the techniques of modern treatment planning for paediatric tumours, including the generation of target volumes and understanding treatment constraints.
- Analyse and discuss common clinical case scenarios, as well as more challenging cases.

### **Working Language(s)**

The working language(s) of the event will be English.

## **Deadline for Nominations**

Nominations received after **15 October 2025** will not be considered.

## Project Background

Paediatric radiation oncology is an essential component in the multidisciplinary care for children with cancer. It provides the opportunity to improve overall survival, to reduce the rate of mutilating surgeries in the treatment of many solid tumours and contributes to improving quality of life as a palliative approach. Paediatric radiation oncology requires specialized knowledge and skills. However, access to training is limited to radiotherapy professionals, especially from LMICs. In addition, very often, training courses that are offered by leading institutions in HICs are not tailored to realities of paediatric radiotherapy service delivery in LMICs.

In April 2024, the IAEA, in collaboration with the WHO and Rays of Hope Anchor Centre Ege University Faculty of Medicine Department of Radiation Oncology, organised a regional workshop on the status of paediatric radiotherapy services. Development of structured practical paediatric radiotherapy training courses was indicated as one of strategic priority actions for improvement of paediatric radiotherapy services in the region. Between April 2024 and June 2025, the IAEA started working on developing dedicated regional training course in collaboration with Princess Máxima Center for Paediatric Oncology/University Medical Center Utrecht, newly appointed IAEA Collaborating Centre for paediatric radiation oncology, medical physics and nutrition. Regional trainings are implemented through RER6043 “Supporting Member States in Enhancing Cancer Management through Rays of Hope”, which supports education and training of radiotherapy professionals, including Anchor Centres in the region.

## Scope and Nature

The comprehensive course will cover all aspects of the major paediatric tumours management which are relevant for optimal radiotherapy. The Practical Paediatric Radiotherapy course will include two modules: a basis course and a refresher course. Module I, the basic course, focuses on paediatric solid tumours (neuroblastoma, renal tumours, Ewing sarcoma, rhabdomyosarcoma) and comprises a diverse range of activities, including lectures, presentations, practical sessions, and discussions. Module II will cover the most common CNS tumours and Hodgkin lymphoma/TBI.

Structure of the Module I:

- Five days training course with each day dedicated to one tumour type.
- Mornings are dedicated to didactic lectures and afternoon to practical sessions.
- Practical sessions will be arranged according to professional background of participants: for radiation oncologists, medical physicists and RTTs.
- All lectures will be interactive to promote knowledge exchange.
- The course will conclude with a multiple-choice exam.

## Participation

Regional training course will be available for clinically active paediatric radiotherapy teams in all Member States participating in RER6043. The team must include a paediatric radiation oncologist, a medical physicist involved in paediatric radiotherapy and a RTT working with paediatric patients. Because of highly interactive nature of the training course, the number of participants is limited to 45 persons. The course will be repeated every year, so all Member States-participants of the project will have an opportunity to train their paediatric RT teams throughout the duration of the project.

## Participants' Qualifications and Experience

Teams of radiotherapy professionals (radiation oncologists, medical physicists, RTTs), actively involved in treatment of children and adolescents with cancer are eligible for participation. Up to 5 professionals per team can apply, with at least one member per discipline. Participants must have sufficient proficiency in English.

Priority will be given to complete team applications and high-patient volume centres.

## 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 (**EVT2503808**) 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](mailto: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 AX Travel Management, or a travel allowance, 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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