



RER6033 | Regional Training Course on the Role of Advanced Imaging in Clinical Radiotherapy (AMPR)

Hosted by

The Government of Russian Federation

through the

Association of Medical Physicists of Russia (AMPR)

Moscow, Russian Federation

3 October 2017 – 7 October 2017

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Information Sheet

A. Purpose

The course is to provide theoretical and practical training in medical physics aspects of imaging and patient specific QA in treatment planning and verification, applicable to 3-D conformal radiation therapy, intensity modulated radiation therapy (IMRT) and image guided radiotherapy (IGRT).

It is expected that the participants will gain in-depth knowledge of imaging and dosimetry used for treatment planning and verification of dose delivery, including equipment and methodology, and related QA procedures. The course will use the IAEA material published in Radiation Oncology Physics: a Handbook for Teachers and Students (IAEA 2005), the IAEA Human Health Report 8: Development of Procedures for In Vivo Dosimetry in Radiotherapy; the IAEA Human Health Series 19:

Quality Assurance Programme for Computed Tomography: Diagnostic and Therapy Applications, as

well as ICRU 50 and ICRU 83 reports.

B. Working Language(s)

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

C. Deadline for Nominations

Nominations received after 23 July 2017 will not be considered.

D. Scope and Nature

The course will consist of deductive lectures and practical sessions followed by discussions with the course participants. The course programme will include lectures on imaging and patient specific QA in radiation therapy treatment planning and verification as recommended by the IAEA and ICRU.

E. Participation

The meeting is open to 21 participants from Member States.

Each country is invited to nominate **one or more participants** who must match the profile described in the corresponding paragraph, indicating the order of priority.

F. Participants' Qualifications and Experience

The participants should be radiotherapy physicists working in radiation therapy departments. Fluency in written and spoken Russian is required. This training course is not intended for radiation oncologists nor radiologists.

G. Application Procedure

Candidates wishing to apply for this event should complete their applications on the InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, Nomination Forms for Training Courses are available from the IAEA website: <http://www.iaea.org>. Applications should contain sufficient information to establish that the nominees have the required qualifications. Completed applications need to be endorsed by the relevant national authority, i.e. the National Liaison Office and submitted through the established official channels.

H. 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.

I. 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.

J. 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.

K. Organization

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Subsequent correspondence on scientific matters should be sent to the Programme Management Officer and correspondence on other matters related to the meeting to the Administrative Contact.