

2017 ESTRO SCHOOL LIVE COURSE



Image Guided Radiotherapy in Clinical Practice

29 October - 2 November 2017
Athens, Greece

TARGET GROUP

The course is aimed at all professionals in the field of radiation oncology that are involved in target localisation at any point in the treatment chain, this includes radiation oncologists, radiation physicists, and radiation therapists (RTTs). A good understanding of issues related to target delineation, target localisation and patient set-up is a prerequisite as well as some experience in the field. As the emphasis will be on the integration of image guidance and adaptive techniques as well as their practical implementation, the “team effort” is important. Simultaneous participation of physicists, radiation oncologists and radiation technologists is strongly encouraged.

COURSE AIM

- To cover both theoretical and practical aspects related to the clinical implementation of in-room imaging and plan adaptation in radiotherapy
- To review imaging techniques that can be applied in the workflow of conformal radiotherapy and understand how individual links in the chain of events will influence clinical outcome (from treatment prescription to preparation and planning, to patient set-up and verification)
- To identify potential sources of errors in target delineation/ localisation and how IGRT can be of help, with special emphasis on conformal radiotherapy, intensity modulated radiotherapy, adaptive radiotherapy and management of organ motion
- To discuss the concept “target delineation – target localisation” at each particular step in the treatment chain and identify appropriate techniques to increase both efficiency as well as efficacy
- To discuss the concept of treatment adaptation

and its implementation in the context of the present technological capabilities

- To offer an overview of available technologies and how to integrate these in clinical practice
- To compare available strategies and help define applicability for particular use
- To present the functionality of the equipment and technology, and identify limitations of a particular method
- To present practical recommendations for establishing an efficient image-guided workflow through optimal integration of available technologies and to emphasise the importance of teamwork and training
- To present the components of a QA strategy of IGRT systems.

LEARNING OUTCOMES

By the end of this course participants should be able to:

- Understand the principles of image guided and adaptive radiotherapy
- Be able to implement image guidance for major patient groups in their home clinic
- Understand the relevant choices for the selection of the best image guidance protocol for their home situation
- Know the potential benefits of various image guidance and ART protocols.

COURSE CONTENT

This is a 5-day course organised to identify the influence of image guidance at important steps in the workflow of radiation therapy. The following items will be covered in view of in-room imaging for therapy guidance:

- Image guidance required for treatment prescription
- Image guidance in treatment preparation and treatment planning

ROADMAP



RADIOTHERAPY TREATMENT PLANNING
AND DELIVERY



RADIATION ONCOLOGIST, MEDICAL PHYSICIST,
RADIATION THERAPIST

COURSE DIRECTORS

Coen Rasch (NL)
Marianne Aznar

TEACHERS

Parag Parikh (USA)
Rianne de Jong (NL)
Andrew Hope (Canada)
Helen McNair (UK)
Uwe Oelfke (UK)
Jan-Jakob Sonke (NL)
Marcel van Herk (UK)

LOCAL ORGANISERS

Efi Koutsouveli, Medical Physicist
Hygeia Hospital (Hellenic Association of MP's public
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Christos Antypas, Medical Physicist
Aretaion Hospital, University of Athens (HAMP's
responsible for education)

PROJECT MANAGER

Carolina Goradesky

WORKING SCHEDULE

The course starts on October 29th 2017 at 13:00 and
ends on November 2nd 2017.

LANGUAGE

The course is conducted in English.
No simultaneous translation will be provided.

COURSE ORGANISATION

For any further information please contact ESTRO:
Carolina Goradesky
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Tel : +32 2 761 06 58 - Fax : +32 2 779 54 94

COURSE VENUE

Electra Palace Hotel
18 Nikodimou Street, Plaka, Athens,
Athina 105 57, Greece
+30 21 0337 0000

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities
during this teaching course should contact ESTRO:
Carolina Goradesky
E-mail: cgoradesky@estro.org
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ACCOMMODATION

To book your room, please download the
accommodation form from the ESTRO website:
www.estro.org/school

- Image guidance in patient set-up and target localisation during treatment
- Strategies and software tools for adaptive RT
- Image guidance in treatment follow-up.

PREREQUISITES

Before commencing this course you should have:

- Basic knowledge of principles and experience with multi-modality management of GYN cancers
- Basic knowledge of and experience with radiological patho-anatomy relevant to GYN cancers
- Experience with existing external beam and

brachytherapy workflows and processes in GYN cancers

- Knowledge about GEC ESTRO recommendations and the ICRU report 89.

TEACHING METHODS

- Lectures and workshops
- Regular breakout sessions for MDs, physicists and radiation therapists (RTTs).

Time will be allocated as follows:

- 23 hours of lectures
- 3 hours of tutorials
- 4 hours of case discussions / exercise.

METHODS OF ASSESSMENT

- MCQ
- Evaluation form.

KEY WORDS

Image guidance, adaptive radiotherapy.

PARTICIPANTS SHOULD REGISTER ONLINE AT: WWW.ESTRO.ORG/SCHOOL

These pages offer the guarantee of secured online payments. The system will seamlessly redirect you to the secured website of OGONE (see www.ogone.be for more details) to settle your registration fee.

If online registration is not possible please contact us:

ESTRO OFFICE

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REGISTRATION FEES

Please check the early deadline date on our website

	EARLY FEE	LATE FEE
In-training members*	450 €	625 €
Members	600 €	725 €
Non members	750 €	850 €

*Radiation Therapist (RTT) members are eligible for the in-training fee

The fee includes the course material, coffees, lunches, and the social event.

Reduced fees are available for ESTRO members working in economically less competitive countries. Check the eligible countries and the selection criteria on the website of the ESTRO School.

ESTRO goes green: Please note that the course material will be available online. No course book will be provided during the courses.

ADVANCE REGISTRATION AND PAYMENT ARE REQUIRED. ON-SITE REGISTRATION WILL NOT BE AVAILABLE.

Since the number of participants is limited, late registrants are advised to contact the ESTRO office before payment, to inquire about availability of places. Access to homework and/or course material will become available upon receipt of full payment.

INSURANCE AND CANCELLATION

The organiser does not accept liability for individual medical, travel or personal insurance. Participants are strongly advised to take out their own personal insurance policies.

In case an unforeseen event would force ESTRO to cancel the meeting, the Society will reimburse the full registration fees to the participants, ESTRO will not be responsible for the refund of travel and accommodation costs.

In case of cancellation, full refund of the registration fee minus 15% for administrative costs may be obtained up to three months before the course and 50% of the fee up to one month before the course. No refund will be made if the cancellation request is postmarked less than one month before the start of the course.