



2017 ESTRO SCHOOL LIVE COURSE



Advanced Skills in Modern Radiotherapy

11-15 June 2017
Prague, Czech Republic

TARGET GROUP

Radiation therapy is rapidly evolving and this has great impact on the role of radiation therapists (RTTs). The target group for this course are radiation therapists who need to expand or refresh their understanding of modern radiation therapy treatment design and delivery and who want the tools to translate this theory into practice. We will provide a programme that will serve both the new and the more experienced radiation therapist. This course provides a complete package and comprehensive overview and will also help the participant in identifying the appropriate ESTRO courses for advanced education and personal development.

COURSE AIM

Although modern radiation therapy is a group effort of physicians, physicists and radiation therapists, this course aims at radiation therapists only. In this way we will be able to give an overview of the steps in modern radiation therapy with enough room and time for radiation therapist specific tools and skills. The theory taught in these sessions will be translated into practical sessions when possible.

LEARNING OUTCOMES

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

- Appreciate where modern radiation therapy is at with respect to pre-treatment imaging and target definition, treatment planning and image guidance
- Appreciate the importance of knowledge of the entire treatment chain of radiation therapy
- Comprehend and calculate geometrical uncertainties and margins

- Comprehend the physics of image registration and its influence on clinical image registration
- Appreciate the importance of quality assurance.

COURSE CONTENT

- Pre-treatment imaging modalities: what is available and how is it used in target definition?
- Patient preparation and immobilisation: what is (im)possible and is it still important in modern radiation therapy?
- Imaging modalities in the treatment room: what is available and how can it be used to find the target volume?
- Geometrical uncertainties and correction strategies: what are the uncertainties in modern radiation therapy and how do correction strategies affect PTV margins? How to calculate your own margins (workshop)?
- Image registration and evaluation: how to make the best use of the images at hand?
- Understanding algorithms, ROI's, correction reference points: how to create protocols for IGRT management (workshops and hands-on)
- Site specific advanced treatment and IGRT techniques
- Safety issues: the importance of incidence reporting and a feedback loop
- Implementing and managing advanced treatment techniques: how to implement new gained skills in your department in a multidisciplinary environment.

PREREQUISITES

Before commencing this course you should have an interest in all steps of radiation therapy.

ROADMAP



RADIOTHERAPY TREATMENT PLANNING AND DELIVERY



RADIATION THERAPIST

COURSE DIRECTOR

Rianne de Jong (NL)

TEACHERS

Elizabeth Forde (IE)
Mirjana Josipovic (DK)
Martijn Kamphuis (NL)
Jose Luis Lopez Guerra (ES)
Peter Remeijer (NL)
Sofia Rivera (FR)

LOCAL ORGANISER

Hana Stankusova
Radiation Oncologist
University Hospital Motol (CZ)

PROJECT MANAGER

Melissa Vanderijst

WORKING SCHEDULE

The course starts on 11 June 2016 at 08:30 and ends on 15 June 2016.

LANGUAGE

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

COURSE ORGANISATION

For any further information please contact ESTRO:
Melissa Vanderijst
Email: mvanderijst@estro.org
Tel: +32 2 775 93 31 - Fax: +32 2 779 54 94

COURSE VENUE

Faculty of Nuclear Sciences and Physical Engineering:
Brehova 7
115 19 Prague 1
Czech Republic

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities during this teaching course should contact ESTRO:
Melissa Vanderijst
Email: mvanderijst@estro.org
Tel: +32 2 775 93 31 - Fax: +32 2 779 54 94

ACCOMMODATION

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

TEACHING METHODS

Approximately (4,5 days/36h):

- 23 hours of lectures
- 3 hours of tutorials
- 10 hours of practical workshops.

METHODS OF ASSESSMENT

- MCQ
- Delineation exercise
- Evaluation form.

KEY WORDS

Radiation therapist (RTT), pre-treatment imaging, treatment planning, image guidance, geometrical uncertainties.

This course is using the FALCON platform (Fellowship in Anatomic deLineation and CONtouring) for the contouring exercises



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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E-mail: education@estro.org

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.