

2016 ESTRO SCHOOL LIVE COURSE




CLINICAL PRACTICE AND IMPLEMENTATION OF IMAGE-GUIDED STEREOTACTIC BODY RADIOTHERAPY

5 - 9 June 2016 | Athens, Greece



 RADIO THERAPY
TREATMENT PLANNING
AND DELIVERY

WHO? 

COURSE DIRECTORS

Matthias Guckenberger (CH)
Dirk Verellen (BE)

TEACHERS

Karin Dieckmann (AT)
Mischa S. Hoogeman (NL)
Morten Hoyer (DK)
Coen Hurkmans (NL)
Stephanie Lang (CH)
Alejandra Méndez Romero (NL)

LOCAL ORGANISER

Kouloulias Vassilis

PROJECT MANAGER

Carolina Goradesky

TARGET GROUP

The course is aimed at all professionals in the field of radiation oncology, who are involved in the clinical practice of SBRT and cranial SRS at any point in the treatment chain: radiation oncologists, physicists and radiation therapists (RTTs) with a dedicated focus on SBRT and SRS. The course targets both individuals who are currently at the planning stage of establishing a clinical stereotactic programme, as well as individuals who already have a current stereotactic practice. The importance of integrating all professionals into a team will be highlighted.

COURSE AIM

- To learn about the historical background and development of cranial radiosurgery (SRS) and stereotactic body radiotherapy (SBRT)
- To understand the radiobiological consequences of hypo-fractionated, inhomogeneous dose distributions
- Cranial radiosurgery: to discuss the practice of frame-less image-guided versus frame-based stereotactic cranial radiosurgery

- To identify potential sources of uncertainties in the work-flow of SBRT: imaging, target delineation, treatment planning, treatment delivery and treatment evaluation
- To offer an overview of available treatment planning and delivery technologies and how to integrate these in clinical practice of SBRT
- To compare available technologies and help define applicability for particular use.
- To give an evidence-based review on potential indications for SBRT: early stage NSCLC, primary and secondary liver metastases, prostate cancer, vertebral metastases, oligometastases, re-irradiation
- To give an overview of normal-tissue toxicity, tolerability and radiological changes in SBRT
- To learn how to establish and implement a safe and clinical programme for SBRT.

LEARNING OUTCOMES

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

- Build a team to implement and practice SRS, SRT and SBRT
- Understand the technical and physical requirements for SRS, SRT and SBRT
- Know the clinical rationale of SRS, SRT and SBRT and their limitations
- Understand the radiobiological basis of very high fraction doses
- Know the details of indication, practice and outcome of SBRT for early stage NSCLC
- Know the current clinical evidence for SRS, SRT and SBRT in the various clinical indications.

COURSE CONTENT

This five day ESTRO teaching course will support establishment and further development a clinical stereotactic programme. The following items will be

covered with special focus on specific requirements for SBRT:

- Radiobiology of hypo-fractionated, inhomogeneous dose distributions for normal tissue and cancer cells
- Uncertainties in clinical practice of SBRT and SRS
- Technological means for compensation of these uncertainties at all stages of radiotherapy treatment
- Evidence-based clinical practice of SBRT and potential indications for SBRT
- Requirements for building and further development of a clinical stereotactic programme.

On Sunday, a historical background of stereotactic radiotherapy will be given followed by the radiobiological and technological background; different technological platforms will be demonstrated followed by a debate discussing the fast spread of stereotactic radiotherapy in our community. The teaching lectures on Monday will review and discuss the technology and physical practice of SBRT and SRS; on Tuesday, various clinical aspects will be discussed and SBRT for early stage NSCLC will be reviewed in detail. All teaching lectures will focus on the multi-disciplinary character of SBRT. Interaction and discussion between the professional groups is highly encouraged. Workshops will be organised on Tuesday and Wednesday, which will focus on different tumours sites: a practical approach to these indications will be demonstrated by case presentations and discussions. The last day will focus on the establishment of a clinical stereotactic programme and close with a panel discussion.

PREREQUISITES

Before commencing this course participants should:

- Know the basics of image-guided

- radiotherapy
- Have experience and knowledge about advanced radiotherapy treatment planning
 - Have a basic understanding of radiobiological modelling.

TEACHING METHODS

- 19 hours of lectures
- 8 hours of practical workshops
- 1 hour of case discussions.

METHODS OF ASSESSMENT

- MCQ
- Evaluation form.

KEY WORDS

Stereotactic body radiotherapy, radio-surgery, stereotactic radiotherapy, image guided radiotherapy.

WORKING SCHEDULE

The course starts on 05 June 2016 at 09:00 and ends on 09 June 2016 at 13:00.

LANGUAGE

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

PRACTICAL ORGANISATION

Course organisation

For any further information please contact ESTRO:

Carolina Goradesky
E-mail: cgoradesky@estro.org
Tel : +32 2 761 06 58
Fax : +32 2 779 54 94

Course venue

Royal Olympic Hotel
28-34 Athanasiou Diakou Str. 117 43
Athens, Greece
Tel: +30 210 92 88 400 or +30 210 92 33 317

Local organiser

Kouloulas Vassilis
Radiation Oncologist
Attikon University Hospital
Athens, Greece

Technical exhibition

Companies interested in exhibition opportunities during this teaching course should contact ESTRO:

Carolina Goradesky
E-mail: cgoradesky@estro.org
Tel : +32 2 761 06 58
Fax : +32 2 779 54 94

Accommodation

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

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

Rue Martin V, 40 • B-1200 Brussels

Tel.: +32 2 775 93 39 • Fax: +32 2 779 54 94

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.