

2017 ESTRO SCHOOL LIVE COURSE



Image-Guided Radiotherapy and Chemotherapy in Gynaecological Cancer: Focus on MRI Based Adaptive Brachytherapy

22-26 October 2017
Prague, Czech Republic

TARGET GROUP

The course is aimed at radiation and gynaecological oncologists, medical physicists and radiation therapist (RTTs) involved in gynaecological tumour treatments, interested in the implementation of EBRT and brachytherapy image guidance. Course participants should have specific interest in and/or beginning experience with implementation of advanced MRI based brachytherapy and advanced EBRT techniques (IMRT/IGRT).

COURSE AIM

- To provide a comprehensive overview on the whole field of gynaecological radiation therapy focussing on brachytherapy and external irradiation in cervix cancer, endometrial cancer and vaginal cancer
- To provide an overview on evidence-based medicine (including concomitant chemoradiation)
- To introduce image-based target concepts of GTV, CTV and PTV in gynaecological radiation oncology including both EBRT and brachytherapy
- To learn to know about advanced image-based EBRT and brachytherapy including techniques and treatment planning
- To enable practical implementation of advanced concepts and techniques in EBRT and brachytherapy.

LEARNING OUTCOMES

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

- Understand comprehensive multi-modality approach to GYN cancers with special emphasis on radiation oncology
- Understand the rationale and apply concepts of advanced brachytherapy techniques in

clinical practice.

- Perform contouring, treatment planning and image guidance for EBRT and brachytherapy in clinical practice
- Adopt, refine and implement advanced radiation techniques including image guidance in GYN Cancers.

COURSE CONTENT

- Normal and pathologic anatomy of female pelvis
- Image based anatomy including US, CT and MRI
- CTV/ITV/PTV for external irradiation
- GTV, CTV, PTV at diagnosis and at time of brachytherapy
- Combination of external irradiation and brachytherapy
- Different application techniques in brachytherapy
- Image requirements for irradiation
- Different techniques of treatment planning for brachytherapy
- Image based dose volume assessment applying DVH parameters
- Dose volume constraints for GTV, CTVs and organs at risk
- Dose, dose-rate and fractionation and overall treatment time
- Radiobiological effects from combined external irradiation and brachytherapy, linear quadratic model
- Prescribing, recording and reporting including ICRU 89 and GEC-ESTRO recommendations
- Nodal dose evaluation, including external irradiation and brachytherapy
- Nodal and parametrial boosts
- Therapeutic outcome: radiochemotherapy, image based EBRT and brachytherapy
- EMBRACE studies

ROADMAP



RADIOTHERAPY TREATMENT PLANNING
AND DELIVERY



RADIATION ONCOLOGIST, MEDICAL PHYSICIST,
RADIATION THERAPIST, OTHER SPECIALIST

COURSE DIRECTORS

Richard Pötter (AT)
Kari Tanderup (DK)

TEACHERS

Johannes Dimopoulos (GR)
Christine Haie-Meder (FR)
Nicole Nesvacil (AT)
Remi Nout (NL)
Taran Paulsen-Hellebust (NO)
Peter Petrow (FR)
Ina Jürgenliemk-Schulz (NL)

LOCAL ORGANISER

Hana Stankusova
Radiation Oncologist
University Hospital Motol (CZ)

PROJECT MANAGER

Melissa Vanderijst

WORKING SCHEDULE

The course starts on 22 October 2017 at 08:30 and ends on 26 October 2017.

LANGUAGE

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

COURSE ORGANISATION

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

COURSE VENUE

Novotel Praha Wenceslas Square
Katerinska 38
Praha 2
Czech Republic

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities during this teaching course should contact ESTRO:
Melissa Vanderijst
E-mail: 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

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: 14 hours
- Tutorials: 6 hours
- Practical Workshop: 8 hours
- Case Discussion: 2 hours
- Videos: 5 hours

Description: The tutorials include discussions of contouring guidelines, various processes involved in advanced brachytherapy techniques and quality assurance. The case discussions and practical hands on demonstration covers a direct learning process involved in approach, contouring exercises, evaluation and discussions in different clinical situations.

METHODS OF ASSESSMENT

- Contouring (FALCON tool) and dose planning exercises (pre- and post-course homework)
- Interactive feedback through audience voting on specific questions during lectures
- MCQ (interactive session at the end of the course)
- ESTRO teaching course evaluation form

KEY WORDS

Evidence based multi-modality management guidelines, Image Guided Adaptive Brachytherapy (IGABT) in GYN cancers, contouring guidelines for external beam and brachytherapy in GYN cancers, IMRT and IGRT for GYN cancers.

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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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.