

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

2-6 September 2018 | Spain, Madrid

This course provides understanding of the rationale for advanced image guided external beam and brachytherapy techniques in gynaecological cancer. With this course you will learn tools to update and change clinical practice in your institution.

TARGET GROUP

The course is aimed at radiation and gynaecology 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 initial experience with implementation of advanced MRI based brachytherapy and advanced EBRT techniques (IMRT/IGRT).

COURSE AIM

- 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
- Provide an overview on evidence-based medicine (including concomitant chemoradiation)
- Introduce image-based target concepts of GTV, CTV and PTV in gynaecological radiation oncology including EBRT and brachytherapy

- Provide an understanding of advanced image-based EBRT and brachytherapy including techniques and treatment planning
- 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 a comprehensive multi-modality approach to gynaecological 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 gynaecological cancers.

COURSE CONTENT

- Normal and pathologic anatomy of female pelvis assessed with clinical examination and imaging: US, CT and MRI
- Image requirements for contouring and treatment planning
- GTV-T, CTV-T, ITV-T, CTV-E, GTV-N, CTV-N, PTV for external irradiation
- GTV-T, CTV-T at diagnosis and at time of brachytherapy
- Image guidance and techniques for external beam radiotherapy
- Nodal boosts and dose evaluation, including external irradiation and brachytherapy

ROADMAP



RADIOTHERAPY TREATMENT PLANNING AND DELIVERY



RADIATION ONCOLOGIST, MEDICAL PHYSICIST, RADIATION THERAPIST, OTHER SPECIALIST

COURSE DIRECTORS

Richard Pötter (AT)
Kari Tanderup (DK)

TEACHERS

Daniel Berger (AT)
Ina Jürgenliemk-Schulz (NL)
Umesh Mahantshetty (IN)
Nicole Nesvacil (AT)
Remi Nout (NL)
Primoz Petric (QA)
Jamema Swamidas (IN)
Li Tee Tan (UK)

LOCAL ORGANISER

Sofia Cordoba Largo, Radiation Oncologist, Madrid, Spain

PROJECT MANAGER

Alessandra Nappa, ESTRO office (BE)

WORKING SCHEDULE

The course starts on 2 September 2018 at 08:30 and ends on 06 September 2018.

LANGUAGE

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

COURSE ORGANISATION

For any further information please contact ESTRO:
Alessandra Nappa
E-mail: anappa@estro.org
Tel: +32 2 775 93 43
Fax: +32 2 779 54 94

COURSE VENUE

NH Ventas
C/ Biarritz, 2
28028 Madrid

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities during this teaching course should contact Alessandra Nappa – Project Manager
Email: anappa@estro.org
Tel: +32 2 775 93 43
Fax: +32 2 779 54 94

ACCOMMODATION

To book your room, please visit the course page on our website: www.estro.org/school

- Different application techniques in brachytherapy
- Techniques of treatment planning for brachytherapy
- Image based dose volume assessment applying DVH parameters
- Dose volume constraints for GTV, CTVs and organs at risk for external beam radiotherapy and brachytherapy
- Radiobiological effects from combined external irradiation and brachytherapy, linear quadratic model
- Combination of external beam irradiation and brachytherapy
- Dose, dose-rate, fractionation, overall treatment time
- Prescribing, recording and reporting including ICRU 89 and GEC-ESTRO recommendations
- Therapeutic outcome: radiochemotherapy, image based EBRT and brachytherapy
- EMBRACE studies

PREREQUISITES

Before commencing this course participants should have:

- Basic knowledge of principles and experience with multi-modality management of gynaecological cancers
- Basic knowledge of and experience with radiological patho-anatomy relevant to gynaecological cancers
- Experience with existing external beam and brachytherapy workflows and processes in gynaecological cancers
- Be prepared to submit homework prior to the course (instructions for homework will be distributed 2-4 weeks before initiation of the course)

TEACHING METHODS

- Lectures: 14 hours
- Tutorials: 6 hours
- Practical workshops: 8 hours
- Case discussions: 2 hours
- Videos: 5 hours.

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 gynaecological cancers, contouring guidelines for external beam and brachytherapy in gynaecological cancers, IMRT and IGRT for gynaecological 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

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.