



2017 ESTRO SCHOOL LIVE COURSE



Comprehensive and Practical Brachytherapy

5-8 March 2017
Budapest, Hungary

TARGET GROUP

The course is aimed primarily at trainees in radiotherapy, radiation oncologists, medical physicists and radiation therapists (RTTs) wishing to acquaint themselves with the latest developments. This course is also highly recommended as an essential basis for the advanced course on 3D imaged-based brachytherapy for prostate and gynaecological malignancies.

COURSE AIM

To cover the basic and general principles of brachytherapy: historical notes on evolution of brachytherapy, sources, after loading systems, imaging for brachytherapy, dosimetry, the essentials of ICRU reports, uncertainties in brachytherapy, radiobiology of different time dose patterns (LDR, HDR, PDR and permanent implants), radioprotection, and organisation of a brachytherapy department

- To discuss different technical and dosimetrical aspects of interstitial, endoluminal and endocavitary brachytherapy
- To discuss the main clinical subjects: gynaecological (cervix, endometrium), head and neck (oral cavity, oropharynx), urology (a.o. prostate seed implants), breast (a.o. APBI), skin, soft tissue sarcomas, and paediatric malignancies
- To illustrate practical examples of brachytherapy treatment planning
- To provide exercises for practical understanding.

LEARNING OUTCOMES

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

- Essentials of brachytherapy sources, physics, applicators and afterloaders
- Essentials of brachytherapy dose planning, possibilities and pitfalls of stepping source optimisation techniques
- Essentials of low dose rate, high dose rate and pulsed dose rate radiobiology
- Indications and contraindications of brachytherapy in clinical oncology

COURSE CONTENT

Sources used in brachytherapy

- Physics and dose calculation
- Image-guided brachytherapy
- Dosimetric uncertainties
- Clinical radiobiology in brachytherapy: general principles and practical examples
- Radioprotection and afterloaders
- Optimisation of stepping source brachytherapy
- Permanent seed and HDR prostate implants
- Interstitial brachytherapy
- Place of intracavitary brachytherapy in cervix, endometrium and vaginal cancer
- Place of endoluminal brachytherapy in oesophageal and bronchus carcinoma
- Brachytherapy for breast, bladder, anal canal, head and neck, and skin cancer
- Brachytherapy for pediatric malignancies
- Recommendations for recording and reporting in interstitial, intracavitary and endoluminal brachytherapy
- Practical examples of interstitial, intracavitary and endoluminal brachytherapy for clinicians
- Applicator localisation for treatment planning
- Permanent and temporary brachytherapy treatment planning
- Practical exercises.

ROADMAP



RADIOTHERAPY TREATMENT PLANNING AND DELIVERY



RADIATION ONCOLOGIST, MEDICAL PHYSICIST, RADIATION THERAPIST

COURSE DIRECTOR

Bradley, Pieters (NL)

TEACHERS

Dimos, Baltas (DE)
José Luis, Guinot Rodríguez (ES)
Peter, Hoskin (UK)
Emmie, Kaljouw (NL)
Renaud, Mazon (FR)
Erik, van Limbergen (NL)

LOCAL ORGANISER

Csaba, Polgár
National Institute of Oncology
Budapest, Hungary
polgar@oncol.hu

PROJECT MANAGER

Luis, Teixeira

WORKING SCHEDULE

The course starts on 5 March 2017 at 8:30 and ends on 8 March 2017 at 13:00.

LANGUAGE

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

COURSE ORGANISATION

For any further information please contact ESTRO:
Luis Teixeira
E-mail: lfteixeira@estro.org
Tel : +32 2 775 93 40
Fax : +32 2 779 54 94

COURSE VENUE

Novotel Budapest City
63-67, Alkotás utca,
1123 BUDAPEST HUNGARY
h0511-sl@accor.com

TECHNICAL EXHIBITION

Companies interested in exhibition opportunities during this teaching course should contact ESTRO:
Luis Teixeira
E-mail: lfteixeira@estro.org
Tel : +32 2 775 93 40
Fax : +32 2 779 54 94

PREREQUISITES

Before commencing this course participants should be qualified or in training as a medical doctor, medical physicist or RTT in the field of brachytherapy.

TEACHING METHODS

- 21 hours of lectures
- 5 hours of case discussions.

This course consists of didactic lectures, practical sessions with applicators, with interactive sessions on physics and clinical aspects and examples.

METHODS OF ASSESSMENT

- Evaluation form
- MCQ.

KEY WORDS

Brachytherapy, basic course, clinical aspects, state-of-the-art implantation techniques, physics.

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.