MODERN BRACHYTHERAPY TECHNIQUES
13 - 16 March 2016 | Florence, Italy

COURSE DIRECTORS
Erik van Limbergen (BE)
Bradley Pieters (NL)

TEACHERS
Dimos Baltas (DE)
Peter Hoskin (UK)
Renaud Mazeron (FR)

LOCAL ORGANISERS
Lorenzo Livi
Isacco Desideri

PROJECT MANAGER
Luis Teixeira

TARGET GROUP
The course is aimed primarily at trainees in radiotherapy, radiation oncologists, radiation physicists and radiation therapists (RTTs) willing to update themselves on 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 basis and general principles of brachytherapy: historical notes on evolution of brachytherapy, sources, after loading systems, imaging for brachytherapy, dosimetry, radiobiology of different time dose patterns (LDR, HDR, PDR and permanent implants), radioprotection, and organisation of a brachytherapy department
• To discuss different technical and dosimetric 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, skin, soft tissue sarcomas, and paediatric malignancies.

LEARNING OUTCOMES
By the end of this course participants should be able to know the:
• Essentials of brachytherapy sources, physics, applicators and afterloaders
• Essentials of brachytherapy dose planning, and 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
• Radiobiology of permanent implants
• Interstitial brachytherapy
• Place of intracavitary brachytherapy in cervix, endometrium and vaginal cancer
• Place of endoluminal brachytherapy in oesophageal and bronchus carcinoma
• Brachytherapy for bladder cancer
• Recommendations for recording and reporting in interstitial, intracavitary and endoluminal brachytherapy
• Emerging sources
• Practical examples of interstitial, intracavitary, and endoluminal brachytherapy for clinicians
• Practical exercises and interactive sessions for physicists.

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

TEACHING METHODS
• 21 hours of lectures
• 5 hours of case discussions.

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

METHODS OF ASSESSMENT
• Evaluation form
• MCQ.

KEY WORDS
Brachytherapy, basic course, clinical aspects, modern implantation techniques, physics.

WORKING SCHEDULE
The course starts on Sunday 13 March 2016 at 9:00 and ends on Wednesday 16 March 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:
Luis Teixeira
E-mail: lfteixeira@estro.org
Tel.: +32 2 775 93 37
Fax: +32 2 779 54 94

Course venue
Convitto della Calza
Piazza Della Calza 6 Florence
FI, 50125
Italy
www.calza.it/en/home.html

Local organisers
Lorenzo Livi
Radiation Oncologist
University of Florence
Florence, Italy
Isacco Desideri
Radiation Oncologist
University of Florence
Florence, Italy

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 37
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

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<th>EARLY FEE</th>
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<tr>
<td>In-training members*</td>
<td>450 €</td>
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*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 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.

WWW.ESTRO.ORG/SCHOOL