

# 2015 ESTRO SCHOOL LIVE COURSE



## COMBINED DRUG-RADIATION TREATMENT: BIOLOGICAL BASIS, CURRENT APPLICATIONS AND PERSPECTIVES

15 - 18 November 2015 | Vienna, Austria

MULTIMODAL  
CANCER  
TREATMENT

### COURSE DIRECTOR

Barbara Jerezek-Fossa (IT)

### TEACHERS

Giuseppe Curigliano (IT)  
Jesper Grau Eriksen (DK)  
Robert Glynne-Jones (UK)  
Christophe Hennequin (FR)  
Li Tee Tan (UK)  
Martin Pruschy (CH)  
Kevin Harrington (UK)

### LOCAL ORGANISER

Karin Dieckmann

### PROJECT MANAGER

Carolina Goradesky

### TARGET GROUP

The course is aimed at radiation oncologists and medical oncologists involved in the multidisciplinary treatment of cancer.

### COURSE AIM

#### Course rationale

Effective cancer treatment necessitates both high efficacy of local treatment and combating sub-clinical systemic disease. Consequently, cancer therapy today involves various combinations of local and systemic treatment modalities. Of those, combining drugs and radiation has been attracting particular attention both in terms of its biological rationale and its potential of increasing the therapeutic outcome. The course aims at updating participants about established and emerging knowledge in this field. It will provide the key-messages that biological and clinical research is bringing to the oncology community nowadays.

#### Aims

- Updating participants about biological effects of combining drugs and radiation in normal and tumour tissue

- Presenting evidence-based clinical applications of combined modality treatment using drugs and radiation in major human malignancies
- Stimulating case-based discussion on the interdisciplinary treatment of cancer
- Presenting future perspectives for combining drugs and Radiation.

### LEARNING OUTCOMES

- Describe the rationale and mechanisms of action of combined drug radiation treatment in cancer
- Discuss the evidence for combined drug radiation treatment in different tumour sites
- Select patients for combined drug radiation treatment
- Decide on the optimum treatment strategy, sequencing and duration, for different patients.

### COURSE CONTENT

#### General lectures

- Biologic basis for combining drugs with radiation
- Combining drugs with radiation: Quantifying the therapeutic gain
- Combining new drugs with radiotherapy
- Radiation and non-cytotoxic drugs
- Hypoxic cell radiosensitizers
- Alteration of radiotherapy fractionation and concurrent chemotherapy
- Designing clinical trials for combined modality treatments

#### Site specific lectures including practical case discussions

- Personalizing cancer therapy: rationale and challenges
- Head and neck cancer
- Non small cell lung cancer
- Small cell lung cancer
- Breast cancer
- Prostate cancer
- Bladder cancer

- Cervical cancer
- Oesophageal cancer
- Gastric cancer
- Rectal cancer
- Anal canal
- Pancreas
- Brain tumours
- Lymphomas

### PREREQUISITES

- Be confident with basic mechanisms of radiotherapy and systemic treatment in oncology
- Know the basic principles of management of solid tumors
- Know different ways of delivering chemotherapy/systemic therapy in combination with radiotherapy.

### TEACHING METHODS

- 20 hours lectures
- 5 hours case discussions
- Presentation and critical discussion of the available evidence, discussion of clinical cases.

### METHODS OF ASSESSMENT

- MCQ
- Evaluation form

### KEY WORDS

radiotherapy, chemotherapy, combined modality, multidisciplinary approach, organ preservation, radiosensitization.

### WORKING SCHEDULE

The course starts on Sunday 15 November 2015 at 09:00 and ends on Wednesday 18 November 2015 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:

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### COURSE VENUE

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### LOCAL ORGANISER

Karin Dieckmann  
Radiation Oncologist  
Medical University of Vienna (AT)  
Karin.Dieckmann@akhwien.at

### TECHNICAL EXHIBITION

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

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### ACCOMMODATION

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

## PARTICIPANTS SHOULD REGISTER ONLINE AT: [WWW.ESTRO.ORG/SCHOOL](http://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](http://www.ogone.be) for more details) to settle your registration fee.

If online registration is not possible please contact us:

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E-mail: [education@estro.org](mailto: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.