

ESTRO 2025 – Multidisciplinary Pre-meeting course

Practical guide to combine novel systemic therapies and radiation therapy

Friday, 2 May 2025, from 08:30 to 17:00

Course directors:

- Dirk De Ruyscher, Radiation Oncologist, Maastricht University Medical Center+, Department of Radiation Oncology (Maastro), GROW Oncology, The Netherlands
- Icro Meattini, Radiation Oncologist, Florence University Hospital, Italy

Faculty:

- Carlotta Becherini, Clinical Oncologist, AOU Careggi, University of Florence, Italy
- Pierluigi Bonomo, Radiation Oncologist, Radiation Oncology, Azienda Ospedaliero-Universitaria Careggi, Florence, Italy
- Paolo Bossi, Medical Oncologist, Humanitas University – Milan, Italy
- Luis Castelo-Branco, Medical Oncologist, IOSI Oncologist Institute of Southern Switzerland
- Fernanda Herrera, Radiation Oncologist, Centre Hospitalier Universitaire Vaudois, Switzerland
- Anita Mahajan, Radiation Oncologist, Mayo Clinic, United States
- Maja Maraldo, Clinical Oncologist, Copenhagen University Hospital – Rigshospitalet, Denmark
- Andreas Rimner, Radiation Oncologist, University of Freiburg, Germany
- Brita Singer Sorensen, Radiobiologist Aarhus University, Denmark
- Monique De Jong, Radiation Oncologist, Netherlands Cancer Institute, The Netherlands

Programme

| Time slot | Title | Teacher |
|---------------|---|------------------------|
| 08:30 - 09:00 | Welcome and introduction | Course Directors |
| 09:00 - 09:45 | Rationale to combine systemic agents with radiation therapy | |
| | <ul style="list-style-type: none"> ▪ Clinical oncologist perspective | A. Chalmers (UK) |
| | <ul style="list-style-type: none"> ▪ Medical oncologist perspective | L. Castelo-Branco (CH) |
| 09:45 - 10:30 | Standard clinical applications of combining radiation with medication | |
| | <ul style="list-style-type: none"> ▪ Breast cancer | I. Meattini (IT) |
| | <ul style="list-style-type: none"> ▪ Lung cancer | D. De Ruyscher (NL) |
| | <ul style="list-style-type: none"> ▪ Head and Neck | TBC |

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|---------------|---|-------------------------|
| 10:30 - 11:00 | <i>COFFEE BREAK</i> | |
| 11:00 - 11:30 | What have we learned from paediatric patients and central nervous system tumours | A. Mahajan (US) |
| 11:30 - 12:00 | Combinations to improve tumour control including organ preservation | P. Bonomo (IT) |
| 12:00 - 12:30 | Promising new agents, including radionuclides, to combine radiation with in localized and oligo-disease | A. Rimner (DE) |
| 12:30 - 14:00 | <i>LUNCH BREAK</i> | |
| 14:00 - 14:30 | Geriatric oncology – combined treatment for older adults | P. Bossi (IT) |
| 14:30 - 15:00 | Prevention of toxicity of combinations, treatment, and survivorship: technical aspects. | M. Maraldo (DK) |
| 15:00 - 15:30 | Toxicity of combined modality and how to prevent adverse events: medical aspects | L. Castelo-Branco (CH) |
| 15:30 - 16:00 | <i>COFFEE BREAK</i> | |
| 16:00 - 16:30 | Medical and supportive care measures to prevent and treat side effects | M. de Jong (NL) |
| 16:30 - 16:50 | Promising new radiation qualities (e.g. FLASH, GRID) to combine with radiotherapy | B. Singer Sorensen (DK) |
| 16:50 - 17:00 | Closing Comments | Course Directors |