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Associazione Italiana
Radioterapia e Oncologia clinica



IRCCS Sacro Cuore
Don Calabria
Hospital Cancer Care Center
Negrar di Valpolicella, IT
26 | 28 June 2024

2 **SUMMER** **SCHOOL OF** **CLINICAL ADAPTIVE** **RADIOTHERAPY**



Course Directors
Filippo ALONGI
Luca NICOSIA



Online adaptive radiotherapy is a new therapeutic procedure which allows for daily treatment plan adaptation. This approach can be performed with MR- or CT-based linacs. The promise of this new technology is to increase the therapeutic ratio of treatments by safely sparing organs at risk while increasing treatment accuracy. The novelty of this technological and clinical approach induces clinicians and operators to change their usual paradigm by performing new personalized solutions. With the availability of several machines with different structural and imaging characteristics, an insight to efficiently exploit the strengths of each available technology in the appropriate clinical setting is necessary. Therefore, a wide and comprehensive course is of outmost importance to speed-up the learning curve and develop appropriate treatment workflow.

The present Summer School is dedicated to all Radiation Oncologists and Medical Physicists with expertise in clinical adaptive treatments, but also to those who are going to implement such technology or want to become familiar with it. The course has a keen practical approach with real clinical cases, contouring and planning sessions, and live treatments on the machines.

- 8:40 Appointment at “**Sala Covegni Fr. Perez**” (IRCCS Sacro Cuore)
- 9:00 Introduction and greetings from the faculty | **Filippo Alongi & Luca Nicosia**
- 9:20 Vision of adaptive RT. From available technology to daily approach | **Matthias Guckenberger**
- 9:40 Available technology, treatment modality (MR-based high- and low-T, CT-based) | **Luca Nicosia**
- 10:00 Current evidence and development of adaptive radiotherapy in pelvic tumors | **Thomas Zilli**
- 10:20 Current evidence and development of adaptive radiotherapy in abdomen tumors | **Martijn Intven**
- 10:40 *Coffee break*
- 11:00 Current evidence and development of adaptive radiotherapy in head-and-neck tumors | **Berardino De Bari**
- 11:20 Current evidence and development of adaptive radiotherapy in brain tumors | **Giuseppe Minniti**
- 11:40 Current evidence and development of adaptive radiotherapy in thoracic tumors | **Felipe Counago**
- 12:00 Current status and future developments of CT-based adaptive radiotherapy | **Mohamed Shelan**
- 13:00 *Lunch*
- 14:00 Live treatment sessions | divided by work group; Facilitators/discussant: **Faculty**
- 15:30 Closing day 1

- 8:45 Appointment at “**Centro di Formazione**” (IRCCS Sacro Cuore)
- 9:00 Status and future developments of CT-based adaptive radiotherapy (presenting advanced IGRT) | **Patrik Sibolt**
- 9:20 Status and future developments of MR-linac (presenting Comprehensive Motion Management) | **Ruggero Ruggieri**
- 9:40 Hands-on session for CT-based and MR-based systems | divided by work group; Facilitators/discussant: **Faculty**
- 11:00 *Coffee break*
- 11:30 Hands-on session for CT-based and MR-based systems | divided by work group; Facilitators/discussant: **Faculty**
- 13:30 *Lunch*
- 14:30 Live treatment sessions | 2 groups at Unity and Ethos with experts
- 16:00 Closing day 2

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PROGRAM

- 8:45 Appointment at “**Centro di Formazione**” (IRCCS Sacro Cuore)
- 9:00 Tips and tricks of adaptive plan optimization | **Riccardo Filippo Borgese**
- 9:20 Elekta EVO - Adapt at your rhythm | **Roberto Pellegrini**
- 9:40 Hands-on session for CT-based and MR-based systems | divided by work group;
Facilitators/discussant: **Faculty**
- 11:00 *Coffee break*
- 11:30 Hands-on session for CT-based and MR-based systems | divided by work group;
Facilitators/discussant: **Faculty**
- 13:30 *Lunch*
- 14:30 Clinical application and studies of adaptive radiotherapy and systemic therapies with
particular focus on prostate and breast cancer | **Faculty**
- 15:30 Daily clinical practice with adaptive radiotherapy at Sacro Cuore. QA session on adaptive
workflow | **Faculty**
- 16:00 Final wrap-up

FACULTY



Andrea Gaetano **ALLEGRA** (Negrar di Valpolicella, Italy)

Filippo **ALONGI** (Negrar di Valpolicella, Italy)

Nicola **BIANCHI** (Negrar di Valpolicella, Italy)

Riccardo Filippo **BORGESE** (Negrar di Valpolicella, Italy)

Michela **BUGLIONE DI MONALE E BASTIA** (Brescia, Italy)

Felipe **COUNAGO** (Madrid, Spain)

Berardino **DE BARI** (Neuchatel, Switzerland)

Antonio **DE SIMONE** (Negrar di Valpolicella, Italy)

Niccolò **GIAJ-LEVRA** (Negrar di Valpolicella, Italy)

Matthias **GUCKENBERGER** (Zurich, Switzerland)

Davide **GURRERA** (Negrar di Valpolicella, Italy)

Martijn **INTVEN** (Utrecht, The Netherlands)

Giuseppe **MINNITI** (Rome, Italy)

Stefania **NACCARATO** (Negrar di Valpolicella, Italy)

Luca **NICOSIA** (Negrar di Valpolicella, Italy)

Edoardo **PASTORELLO** (Negrar di Valpolicella, Italy)

Roberto **PELLEGRINI** (Elekt AB Stockholm, Swedish)

Francesco **RICCHETTI** (Negrar di Valpolicella, Italy)

Michele **RIGO** (Negrar di Valpolicella, Italy)

Ruggero **RUGGIERI** (Negrar di Valpolicella, Italy)

Mohamed **SHELAN** (Bern, Switzerland)

Patrik **SIBOLT** (Copenhagen, Denmark)

Gianluisa **SICIGNANO** (Negrar di Valpolicella, Italy)

Thomas **ZILLI** (Lugano, Switzerland)



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Congress Venue:

IRCCS Sacro Cuore Don Calabria | Hospital Cancer Center

Viale Luigi Rizzardi, 4 - Negrar di Valpolicella (VR)

Course Directors: Filippo **ALONGI** | Luca **NICOSIA**

The event will be for the following categories:

- **Radiation Oncologists**
- **Physicists**

Registration

The registration fee includes the admission to the scientific sessions and the certificate of attendance.

Member **ESTRO**: € 450,00 | Non-member **ESTRO**: € 550,00 | Member **AIRO**: € 450,00 | Non-member **AIRO**: € 550,00

Online registration available on our website www.summerschoolnegrar.com

Organizing Secretariat



CONTACT

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