



Endorsed by<sup>7</sup>  
**ESTRO**

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**

# SCIENTIFIC RATIONALE



Online adaptive radiotherapy is a new therapeutic procedure which allow 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 workow.

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.

- 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

- 9:00 Status and future developments of MR-linac (presenting Comprehensive Motion Management) | **Ruggero Ruggieri**
- 9:20 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

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

28 June 2024  
PROGRAM

- 9:00 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 |
- 15:30 Daily clinical practice with adaptive radiotherapy at Sacro Cuore. QA session on adaptive workflow |
- 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)  
Rosario **MAZZOLA** (Negrar di Valpolicella, Italy)  
Giuseppe **MINNITI** (Rome, Italy)  
Stefania **NACCARATO** (Negrar di Valpolicella, Italy)  
Luca **NICOSIA** (Negrar di Valpolicella, Italy)  
Edoardo **PASTORELLO** (Negrar di Valpolicella, Italy)  
Francesco **RICCHETTI** (Negrar di Valpolicella, Italy)  
Michele **RIGO** (Negrar di Valpolicella, Italy)  
Ruggero **RUGGIERI** (Negrar di Valpolicella, Italy)  
Mohamed **SHELAN** (Bern, Switzerland)  
Gianluisa **SICIGNANO** (Negrar di Valpolicella, Italy)  
Thomas **ZILLI** (Lugano, Switzerland)

Patronage requested:  
**Associazione Italiana Radioterapia  
 e Oncologia Clinica**

## 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:

- **Physicists;**
- **Radiation Oncologists.**

## Registration

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

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

Online registration available on our website [www.summerschoolnegrar.com](http://www.summerschoolnegrar.com)

## Organizing Secretariat



### CONTACT

Phone: **+39 011 0267950**

Fax: **+39 011 0267954**

E-mail: [segreteria@hdcons.it](mailto:segreteria@hdcons.it)

Web: [www.hdcons.it](http://www.hdcons.it)

CLIC HERE  
 TO SUBSCRIBE



Verona, **26 | 28** June 2024



Endorsed by<sup>7</sup>  
**ESTRO**

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

**2**

**SUMMER**

**SCHOOL OF  
CLINICAL ADAPTIVE  
RADIOTHERAPY**

