



# 1<sup>o</sup> Summer

# School *of* Clinical Adaptive Radiotherapy

Endorsed by  
**ESTRO**

Course Directors  
**Filippo ALONGI**  
**Luca NICOSIA**

IRCCS Sacro Cuore  
Don Calabria  
Hospital Cancer Care Center  
Negrar di Valpolicella, IT  
26 | 28 June  
2023

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 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.

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26 June 2023  
PROGRAM

- 09.00 Registration
- 09.30 Introduction to the course and greetings from the Faculty | **F. Alongi**
- 09.40 Introduction to the general concepts of adaptive radiotherapy | **M. Guckenberger**
- 10.00 Available technology, treatment modality (MR-based high- and low-T, CT-based) | **L. Nicosia**
- 10:20 The role of imaging (the choice of MR sequences, cone-beam CT, multiparametric MR) | **L. Boldrini**
- 10:40 Coffee break
- 11:00 Interactive familiarization session with contouring and planning systems | **R. Ruggieri**
- 12:30 Lunch

## Treatment of head-neck, and brain tumors

- 13.30 Clinical indications | **E. Tseng**
- 13.50 Presentation of clinical cases with technical and clinical details | **M. Buglione di Monale e Bastia**
- 14.30 Coffee break
- 14.45 Contouring and planning of clinical cases offline
- 16.00 Live treatment sessions
- 17.30 End of scientific session

27 June 2023  
PROGRAM

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## Treatment of urogenital tumors

- 09.30 Clinical indications | **A. Tree**
- 09.50 Presentation of clinical cases with technical and clinical details | **R. Mazzola**
- 10.20 Coffee break
- 10.45 Contouring and planning of clinical cases offline on Monaco
- 12.00 Live treatment sessions
- 13.00 Lunch

## Treatment of upper abdomen tumors

- 14.00 Clinical indications | **L. Dawson**
- 14.20 Presentation of clinical cases with technical and clinical details | **L. Nicosia**
- 15.00 Coffee break
- 15.15 Contouring and planning of clinical cases offline on Monaco
- 16.30 Live treatment sessions
- 18.30 End of scientific session

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28 June 2023  
PROGRAM

## Adaptive SBRT

- 09.30 Clinical indications | **S. Arcangeli**
- 09.50 Presentation of clinical cases with technical and clinical details | **M. Rigo**
- 10.20 Coffee break
- 10.45 Contouring and planning of clinical cases offline on Moebius/Eclipse
- 12.00 Live treatment sessions
- 13.00 Lunch

## Treatment of thoracic tumors

- 14.00 Clinical indications | **J. Hörner-Rieber**
- 14.20 Presentation of clinical cases with technical and clinical details | **N. Giaj-Levra**
- 15.00 Coffee break
- 15.15 Contouring and planning of clinical cases offline on Moebius/Eclipse
- 16.30 Live treatment sessions
- 17.30 Final greetings



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- Filippo **ALONGI** (Negrar di Valpolicella)
- Stefano **ARCANGELI** (Monza)
- Luca **BOLDRINI** (Rome)
- Michela **BUGLIONE DI MONALE E BASTIA** (Brescia)
- Laura **DAWSON** (Canada)
- Niccolò **GIAJ-LEVRA** (Negrar di Valpolicella)
- Matthias **GUCKENBERGER** (Zurich)
- Juliane **HORNER-RIEBER** (Heidelberg)
- Rosario **MAZZOLA** (Negrar di Valpolicella)
- Luca **NICOSIA** (Negrar di Valpolicella)
- Michele **RIGO** (Negrar di Valpolicella)
- Ruggero **RUGGIERI** (Negrar di Valpolicella)
- Alison **TREE** (London)
- Eric **TSENG** (Toronto)





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INFORMATION

## Congress Venue:

IRCCS Sacro Cuore Don Calabria | Hospital Cancer Center  
Viale Luigi Rizzardi, 4 - Negrar di Valpolicella (VR)

**ID ECM:** 387589 | Credits: 21

The Event is accredited for CME credits for n. 30 participants

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

The Event will be accredited for CME credits for the following categories:

• **Physicians** ( Oncology, Radiotherapy, Radiodiagnosics ) • **Medical Physicists** ( Physicists )

TO OBTAIN CREDITS will be necessary:

- Participate in all educational days • Complete the Customer Satisfaction
- Complete and pass the ECM questionnaire

The congress has been organized thanks to the unrestricted grants of:



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ADAPTIVE RADIATION THERAPY SYSTEM

## PROVIDER E SEGRETERIA ORGANIZZATIVA



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