



Associazione Italiana  
Radioterapia e Oncologia clinica

Endorsed by:



EFOMP



ESTRO



# STEREOTACTIC BODY RADIATION THERAPY: FROM PHYSICS TO CLINIC

**FLORENCE (Italy) • October 4-6, 2018**

Course directors:

Filippo Alongi, *Verona* - Pietro Mancosu, *Milan*



The course will be accredited in Italy  
for Continuous Medical Education by AIFM,  
national CME provider (ID No. 416)

## COMMITTEES

### Course Directors:

**Filippo Alongi**, *University of Brescia & Sacro Cuore Hospital, Negrar (Verona)*

**Pietro Mancosu**, *Humanitas Cancer Center, Rozzano (Milan)*

### Scientific committee:

#### Radiation Oncology

Paolo Bastiani, *AUSL Toscana Centro - Florence*

Pierluigi Bonomo, *Careggi Hospital - Florence*

Barbara Jereczek, *University of Milan & IEO Hospital, Milan*

#### Medical Physics

Francesca Romana Giglioli, *Città della Salute Hospital - Turin*

Stefania Pallotta, *University of Florence & Careggi Hospital, Florence*

Serenella Russo, *AUSL Toscana Centro - Florence*

### Abstract selection Committee:

#### Radiation Oncology

Renzo Corvò, *University of Genoa*

Lorenzo Livi, *University of Florence & Careggi Hospital, Florence*

Stefano Magrini, *University of Brescia & Spedali Civili Hospital, Brescia*

#### Medical Physics

Carlo Cavedon, *University Hospital of Verona*

Michele Stasi, *Mauriziano Hospital - Turin*

Cinzia Talamonti, *University of Florence & Careggi Hospital, Florence*

## Objectives

Modern radiotherapy is increasingly evolving towards a reduction in the number of fractions. Stereotactic Body Radiotherapy (SBRT), or as more recently defined, SABR (Stereotactic Ablative Body Radiotherapy), is a radiation therapy approach in which high radiation doses are delivered in few fractions focused on small extracranial tumors with rapid dose fall off outside the target. In particular, SBRT/SABR is becoming elective therapy, in several anatomic districts, both for primitive tumors and for metastatic lesions. These results were achieved thanks to a multidisciplinary effort with strong involvement of highly qualified and skilled professionals together with technological progress both in imaging and in treatment delivery.

Since we consider this multidisciplinary approach as the key of success, the Italian Association of Radiation Oncology (AIRO) and the Italian Association of Medical Physics (AIFM) organize the 3rd edition of the joint symposium on SBRT within the Fuligno monastery area in Florence.

**Day I - Thursday 4<sup>th</sup>****Session I** • Chairs: *S. Magrini, Brescia - M. Stasi, Turin*

13:30 Welcome messages.

*S. Magrini (AIRO President - Brescia)**M. Stasi (AIFM President - Turin)*

14:00 Lectio magistralis. The future perspective of SBRT.

*U. Ricardi (ESTRO President - Turin)*14:30 Lectio magistralis. Technologies for SBRT. *C. Cavedon, Verona*15:00 *Coffee break***Session II** • Chairs: *R. Corvò, Genoa - S. Russo, Florence*

15:30 Physics of IGRT in SBRT: from phantom to patient.

*L. Masi, Florence*15:50 Motion management for precise medicine. *S. Corradini, Munich*16:10 Clinical results of SBRT for abdominal targets *M. Scorsetti, Milan*

16:40 Discussion time.

17:00 Selected abstracts.

17:30 Poster view.

**Day II: Friday 5<sup>th</sup>****Session III** • Chairs: *P. Bastiani, Florence - M. Iori, Reggio Emilia*

08:30 Lectio magistralis. Geometrical uncertainties in SBRT from imaging and image-guidance to planning and margins.

*B. Heijmen, Rotterdam*09:00 Radiomics in SBRT: the clinical perspective. *V. Valentini, Roma*09:30 Radiomics in SBRT: the physicist's perspective. *M. Avanzo, Aviano*

10:00 Discussion time.

10:30 *Coffee break***Session IV** • Chairs: *S. Pergolizzi, Messina - S. Pallotta, Florence*11:00 Immunology in SBRT. *A. Filippi, Pavia*11:30 Physics of nanoparticles in SBRT. *L. Strigari, Rome*12:00 The DEGRO experience in dosimetric and clinical multicenter studies: what next? *O. Blanck, Kiel*

12:30 Selected abstracts.

13:00 *Lunch*13:55 Welcome address. *M. Brambilla (EFOMP President - Novara)*

**Session V • Chairs: V. Donato, Rome - F. Banci Buonamici, Siena**

- 14:00 Physics of SBRT in proton therapy. *M. Schwarz, Trento*
- 14:30 Unconventional fractionation in clinical hadrontherapy.  
*R. Orecchia, Milan*
- 15:00 Plan analysis in SBRT. *V. Hernandez, Reus*
- 15:30 Selected abstracts.
- 16:00 *Break*

**Session VI • Chairs: P. Bonomo, Florence - C. Talamonti, Florence**

- 16:30 SBRT clinical applications: prostate. *G. Simontacchi, Florence*
- 17:00 Autoplanning in SBRT.  
*L. Marrazzo, Florence - C. Fiandra, Turin*
- 17:30 Learning from every SBRT patient treated.  
*M. Van Herk, Manchester*
- 18:00 Poster views.

**Day III - Saturday 6<sup>th</sup>**

**Session VII • Chairs: L. Livi, Florence - L. Spiazzi, Brescia**

- 08:30 Lectio magistralis. Precision radiotherapy through advanced imaging. *A. Chiti, Milan*
- 09:00 Physics of MRI/Linac. *M. De Spirito, Roma*
- 09:30 SBRT clinical applications: MRI/Linac. *F. Lagerwaard, Amsterdam*
- 10:00 Question time.
- 10:30 *Coffee break*

**Session VIII**

*Chairs: B. Jerezek, Milan - F. R. Giglioli, Turin*

- 11:00 In-vivo dosimetry in SBRT. *M. Esposito, Florence*
- 11:30 SRT clinical applications: brain metastases.  
*S. Scocianti, Florence*
- 12:00 Small field dosimetry: IAEA483/ICRU91 views.  
*N. Jornet, Barcelona*
- 12:30 Selected abstracts.
- 13:00 *Lunch*

**Session IX • Chairs: F. Alongi, Verona - P. Mancosu, Milan**

- 14:00 SBRT clinical applications: re-treatment. *M. Trovò, Udine*
- 14:30 Quality controls in SBRT. *C. Marino, Catania*
- 15:00 ICRU91 - Where to normalize the dose:  
symposium with the whole faculty.
- 16:00 Best presentations awarding and conclusion.

**VENUE**

Centro Formazione Montedomini "Il Fuligno"  
Via Faenza, 48 - 50123 Firenze

**REGISTRATION FEES**

<i>AIFM AIRO ESTRO THASTRO members</i>	<b>€ 180,00</b>
<i>Non members</i>	<b>€ 360,00</b>
<i>Students AIFM AIRO members (30 places available)</i>	<b>€ 30,00</b>

*Medical physicist/physician joint registration: a discount of 20% on the applicable individual net fee (without VAT) will be applied for all joint registrations (1 medical physicist + 1 physician).*

*Registrations will have to be made individually by both registrants on the same day.*

*Name of the colleague applying for the reduced rate will be required.*

*The fee includes: admission to all scientific sessions, course kit, refreshments as per program.*

**REGISTRATION PROCEDURES**

The course will be accredited for 150 participants.

The capacity of the main room is 100 seats. Another room will be videoconnected to the main hall (60 seats available).

Available seats (80) for attendees in the main room will be reserved on a first-come-first-served basis.

More information is available on the website:

[www.fisicamedica.it/formazione](http://www.fisicamedica.it/formazione).

Applications for registration will be accepted according to the chronological order of arrival. The registration will be confirmed after the payment of the fee (wire transfer or credit card are available).

The fee must be paid upon the registration for the Course.

**CANCELLATION POLICY**

The full amount of the registration fee (except for the processing fee (€ 20) will be refunded for cancellations received before **September 20<sup>th</sup> 2018**.

Wire transfer or credit card costs will be applied.

No refund will be issued for cancellations received after **September 20<sup>th</sup> 2018**.

All cancellations must be sent in writing via e-mail

([segreteria.aifm@symposium.it](mailto:segreteria.aifm@symposium.it)) to the course secretariat.

Cancellation confirmation will be sent within one week.

**CALL FOR ABSTRACTS**

The main program will include oral and poster sections for both Physicists and Radiation Oncologists. In particular the best oral communications (under 35/in training) will be awarded with a cash prize.

Abstracts must be sent to [sbrt2018@symposium.it](mailto:sbrt2018@symposium.it) within 20<sup>th</sup> July 2018.

Abstracts must be submitted and presented at the conference in English.

Abstracts submitted for presentation will be reviewed by experts in the field of the subject. Notification of outcome of abstract submission will be sent by email by **15<sup>th</sup> September 2018**. Accepted abstracts will be published in an online journal.

More information are available on the course website:

[www.fisicamedica.it/formazione](http://www.fisicamedica.it/formazione).

*Detailed information available on:*

**[www.aifm.it](http://www.aifm.it)**

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