STEREOTACTIC BODY RADIATION THERAPY: FROM PHYSICS TO CLINIC

FLORENCE (Italy) • October 4-6, 2018

Course directors:
Filippo Alongi, Verona - Pietro Mancosu, Milan

ID No. 416 - 238421
Crediti assegnati: 11,2

Professioni: Fisico-Medico Chirurgo
(discipline: Oncologia, Radioterapia,
Medicina Nucleare, Neuroradiologia, Radiodiagnostica)

Obiettivo formativo: contenuti tecnico-professionali
(conoscenze e competenze) specifici di ciascuna professione,
di ciascuna specializzazione e di ciascuna attività ultraspecialistica. Malattie rare.
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 4th

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

Session II • Chairs: R. Corvò, Genoa - S. Russo, Florence
15:00 Physics of IGRT in SBRT: from phantom to patient.  
L. Masi, Florence
15:20 Motion management for precise medicine. S. Corradini, Munich
15:40 Clinical results of SBRT for abdominal targets M. Scorsetti, Milan
16:40 Discussion time.
16:30 Selected abstracts.
17:05 Poster view and welcome cocktail.

Day II: Friday 5th

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 No CME Session - Satellite Symposia
Lunch
13:55 Welcome address. M. Brambilla (EFOMP President - Novara)
Session V • Chairs: V. Donato, Rome - F. R. Giglioli, Turin
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 6th

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 in Amsterdam. F. Lagerwaard, Amsterdam
10:00 SBRT clinical applications: MRI/Linac in Utrecht. W. S. C. Eppinga, Utrecht
10:30 Coffee break

Session VIII
Chairs: B. Jereczek, Milan - F. Banci Buonamici, Siena
11:00 Quality controls in SBRT. C. Marino, Catania
11:30 SBRT clinical applications: brain metastases. S. Scoccianti, 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 In-vivo dosimetry in SBRT. M. Esposito, Florence
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

AIFM AIRO ESTRO THASTRO members € 180,00
Non members € 360,00
Students AIFM AIRO members (30 places available) € 30,00

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.

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 20th 2018. Wire transfer or credit card costs will be applied.

No refund will be issued for cancellations received after September 20th 2018. All cancellations must be sent in writing via e-mail (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 sbt2018@symposium.it within 20th 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 15th September 2018. Accepted abstracts will be published in an online journal.

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Detailed information available on: www.aifm.it