



CONFERENCES

Course on the basis of Stereotactic Body Radiation Therapy for physicists

25-27 March 2020, Milan, Italy

Scientific Committee:

Cristina Garibaldi, European Institute of Oncology (Milan)

Claudio Fiorino, San Raffaele Hospital (Milan)

Cristina Lenardi, University of Milan (Milan)

Pietro Mancosu, Humanitas Cancer Center, Rozzano (Milan) – course director

Modern radiotherapy is increasingly evolving towards a reduction in application of the number of fractions. Stereotactic body radiotherapy (SBRT), or as more recently defined, stereotactic ablative body radiotherapy (SABR), is a radiation therapy approach in which high radiation doses are delivered in a few fractions. It is focused on small extracranial tumours with rapid dose fall-off outside the target. In particular, SBRT/SABR is becoming the elective therapy in several anatomical areas, both for primitive tumours and for metastatic lesions. Technological progress both in imaging and in treatment delivery has favoured the adoption of this technique.

The main aim of this three-day course is to help medical physicists, who work in both large and small centres, to learn the proper implementation of effective SBRT treatment. The course is specifically designed for medical physicists; however, radiation oncologists, radiation therapists and other professional figures who work in radiotherapy are welcome to join.

The course will be hosted at Fondazione UNIMI (ex Fondazione Filarete), V. le Ortles 22/4 Milano (<https://www.fondazionefilarete.com/it/index.html>). The site is close to the Prada Foundation and the future Olympic village of the Winter Games 2026 Milan-Cortina.

A special fee for members of the European Society for Radiotherapy and Oncology (ESTRO)/the European Federation of Organisations for Medical Physics (EFOMP)/the Thai Society of Therapeutic Radiology and Oncology (THASTRO)/the Italian Association of Radiation Oncologists (AIRO)/the Italian Association of Medical Physicists (AIFM) of €200 (including lunch, coffee break and course material) will be applied. A further discount for members in training will be applied (€50).

Programme highlights will include:

Radiobiology and clinical issues of SBRT

Imaging for volume definition from a physicist's perspective

Dosimetry and planning in SBRT

Image-guided radiotherapy

Quality assurance and safety.

Important dates:

Deadline for registration: 11 March 2020

For specific questions, please do not hesitate to contact us (pietro.mancosu@humanitas.it)

We look forward to seeing you in Milan!