



ISRS
EDUCATIONAL COURSE

**BASIC PRINCIPLES OF BRAIN RADIOSURGERY
AND STEREOTACTIC BODY RADIATION THERAPY**
JUNE 19, 2022; MILAN, ITALY

IMMEDIATELY PRECEDING THE 15TH ISRS CONGRESS

ISRS EDUCATIONAL COURSE

Basic Principles of Brain Radiosurgery and Stereotactic Body Radiation Therapy

Milan, Italy

June 19, 2022

President of ISRS (2019-2022) and Course Director
Laura Fariselli

Course Co-Director
Ciro Franzese

Faculty:

Stefano Arcangeli (Italy), Edoardo Boccardi (Italy), Alessio Bruni (Italy), Antonella Del Vecchio (Italy), Nadia Di Muzio (Italy), Laura Fariselli (Italy), Davide Franceschini (Italy), Ciro Franzese (Italy), Alberto Franzin (Italy), Niels Haasbeek (The Netherlands), Barbara Jereczek-Fossa (Italy), Douglas Kondziolka (USA), Alessandro La Camera (Italy), Marc Levivier (Switzerland), Marcello Marchetti (Italy), Giulia Marvaso (Italy), Rosario Mazzola (Italy), Maris Mezeckis (Latvia), Antonio Nicolato (Italy), Ian Paddick (United Kingdom), Zeno Perini (Italy), Piero Picozzi (Italy), Jean Régis (France), Silvia Scoccianti (Italy), Giorgio Spatola (Italy), Alessia Surgo (Italy), Constantin Tuleasca (Switzerland), Daniel Zwahlen (Switzerland).

Program

June 19, 2022 (Sunday)

Session I: General part (Red 2 Room)

Moderators: *Laura FARISELLI (Italy), Marc LEVIVIER (Switzerland), Ian PADDICK (United Kingdom)*

9:00 – 9:25 **Principles of radiosurgery.** *Douglas KONDZIOLKA (USA)*

9:25 – 9:50 **Basic radiosurgery: radiobiology.** *Constantin TULEASCA (Switzerland)*

9:50 – 10:15 **Quality assurance in radiosurgery.** *Ian PADDICK (United Kingdom)*

10:15 – 10:40 **Radiosurgery for brain metastases.** *Alberto FRANZIN (Italy), Silvia SCOCCIANTI (Italy)*

Coffee Break (10.40 – 11.00)

Session II: Brain RS (Blue 2 Room)

Moderators: *Antonella DEL VECCHIO (Italy), Jean REGIS (France), Daniel ZWAHLEN (Switzerland)*

From imaging to treatment of:

11:00 – 11:55 **Radiosurgery for AVM.** *Alessandro LA CAMERA (Italy), Edoardo BOCCARDI (Italy), Zeno PERINI (Italy)*

11:55 – 12:30 **Radiosurgery for Vestibular Schwannoma.** *Antonio NICOLATO (Italy), Marcello MARCHETTI (Italy)*

12:30 – 13:00 **Basic principles of radiosurgery in functional disease.** *Giorgio SPATOLA (Italy), Piero PICOZZI (Italy)*

Session II: Lung SBRT (Red 2 Room)

Moderators: *Nadia DI MUZIO (Italy), Niels HAASBEEK (The Netherlands), Barbara JERECZEK-FOSSA (Italy), Maris MEZECKIS (Latvia)*

11:00 – 11:20 **Indications to SBRT for central and peripheral primary lung cancer.** *Alessio BRUNI (Italy)*

11:20 – 11:40 **Patient's positioning and motion-control for lung SBRT.** *Alessia SURGO (Italy)*

11:40 – 11:55 Ablative SBRT: dose prescription and constraints for OARs. *Davide FRANCESCHINI(Italy)*

11:55 - 12:20 Indication to SBRT for prostate cancer (radical and post-operative setting). *Stefano ARCANGELI (Italy)*

12:20 - 12:45 Real-time tracking and adaptive treatments with different technologies (eg. Linac, Cyberknife, MRI-Linac). *Rosario MAZZOLA (Italy)*

12:45 - 13:00 Dose prescription and focal boost for prostate cancer. *Giulia MARVASO (Italy)*

Lunch Break (13.00 – 14.00)

14:00 – 17:30 Presentations & Hands-On with the participation of the leading SRS and SBRT companies: ELEKTA - BRAINLAB – ACCURAY (Red 2 Room)

14:00 – 17:30 Presentations & Hands-On with the participation of the leading SRS and SBRT companies: ZAP SURGICAL - VIEWRAY – VARIAN (Blue 2 Room)