



Fondazione I.R.C.C.S.  
Istituto Neurologico Carlo Besta

Sistema Socio Sanitario



Regione  
Lombardia

**B & B BRAIN AND BODY  
RADIOSURGERY  
2018-2019**

**“International Stereotactic Radiosurgery  
Society (ISRS) endorsement course”**

**Spring Meeting  
FUNCTIONAL TARGETS**

**March 11<sup>th</sup>, 2019**

**Biblioteca Scientifica  
Fondazione IRCCS  
Istituto Neurologico Carlo Besta  
Via Giovanni Celoria n. 11 – Milano**

**Required Sponsorship:**

Società Italiana di Neurochirurgia (SINCH)  
Società dei Neurologi Neurochirurghi Neuroradiologi  
Ospedalieri (SNO)

**CHAIRPERSONS:**

**Dr. Laura Fariselli** – Istituto Neurologico C. Besta  
**Dr. Marcello Marchetti** – Istituto Neurologico C. Besta

**De Curtis Marco** – Neurologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**De Martin Elena** – Physicist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Del Vecchio Antonella** – Health Physics Service – Ospedale San Raffaele, Milano  
**Eleopra Roberto** – Neurologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Fariselli Laura** – Radiation Oncologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Franceschetti Silvana** – Neurologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Franzin Alberto** – Neurosurgeon – Poliambulanza Brescia  
**Franzini Angelo** – Neurosurgeon – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Fumagalli Maria Luisa** – Physicist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Garbelli Rita** – Biologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Ghielmetti Francesco** – Physicist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Gnatkovsky Vadym** – Neurologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**La Camera Alessandro** – Neurosurgeon – ASST Grande Ospedale Metropolitano Niguarda, Milano  
**Lo Russo Giorgio** – Neurosurgeon – ASST Grande Ospedale Metropolitano Niguarda, Milano  
**Longhi Michele** – Neurosurgeon – Azienda Ospedaliera Universitaria Integrata, Verona  
**Marchetti Marcello** – Radiation Oncologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Marras Carlo** – Neurosurgeon – Ospedale Pediatrico Bambino Gesù, Roma  
**Messina Giuseppe** – Neurosurgeon – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Picozzi Piero** – Neurosurgeon – Humanitas Research Hospital, Milano  
**Regis Jean** – Neurosurgeon – Hopitaux Marseille

**Rossi Davide** – Neurologist – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano  
**Salmaggi Andrea** – Neurologist – ASST Lecco  
**Servello Domenico** – Neurosurgeon – Istituto Ortopedico Galeazzi, Milano  
**Tringali Giovanni** – Neurosurgeon – Fondazione IRCCS Istituto Neurologico Carlo Besta, Milano

Radiosurgery and functional disorders have a long common history. When Lars Leksell, in the first '50s, conceived the radiosurgery approach he certainly had in mind the treatment of such disorders and also probably one of the oldest papers about radiosurgery reports about the radiosurgical treatment for trigeminal neuralgia. As a matter of fact, to date, the literature evidences support the role of radiosurgery management of trigeminal neuralgia, tremor, oncological pain and epilepsy. Indication, results and perspectives will be debated today.

### PARTICIPANTS

Specialists and graduate students in Radiotherapy – Neurosurgery – Radiosurgery – Health Physics – Neurology – Neuroradiologist

**Maximum number of attendees: 40**

### REGISTRATION

Registration is compulsory. Registration will be accepted in order of arrival and until all available seats. **For registration, please send an e-mail to [formazione@istituto-besta.it](mailto:formazione@istituto-besta.it), with:**

**Object: B&B 11/03/2019**

- **NAME AND SURNAME**
- **PLACE AND DATE OF BIRTH**
- **E-MAIL ADDRESS**
- **PROFESSION**
- **WORK ADDRESS**

The participation fee (€ 50,00) will be paid by bank transfer to the attention of: Fondazione IRCCS Istituto Neurologico C. Besta – Tesoriere Ente: BANCA POPOLARE DI SONDRIO – Agenzia 9 – Viale Romagna, 24 Milano – ABI 05696 – CAB 01608 – CIN A – C/C 6200/21 – IBAN IT26 A056 9601 6080 0000 6200 X21

**Participation is free for: students; AIRO – SIB – SINCH members; specialists of Besta Neurological Institute**

Ufficio Formazione, Aggiornamento e Didattica  
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**March 11th, 2019**

09.00 – 09.15 Introduction (*L. Fariselli – M. de Curtis – M. Marchetti – A. Franzini*)

### LECTURES

**(chairmen: S. Franceschetti – G. Lo Russo)**

09.15 – 09.45 Lecture: Functional neurosurgery. Past, present and future (*A. Franzini – C. Marras*)

09.45 – 10.15 Lecture: Radiosurgery for Functional disorders (Epilepsy and Tremor) (*J. Regis*)

10.15 – 10.30 Questions

### TRIGEMINAL NEURALGIA

**(chairmen: C. Marras – M. Longhi)**

10.30 – 10.45 The surgical point of view. Microvascular decompression (MVD) and percutaneous techniques (*TBD*)

10.45 – 11.00 Radiosurgery is not a wizard. True, indication and results (*A. Franzini*)

11.00 – 11.15 Discussion (Discussant: *G. Tringali – A. La Camera*)

11.15 – 11.30 Coffee Break

**(chairmen: A. Salmaggi – TBD)**

11.30 – 11.45 Treatment complication (somewhat bothersome to very bothersome trigeminal numbness) management, an open issue (Discussant: *A. Franzini – M. Longhi – M. Marchetti*)

### Technical point of view.

**Planning strategy comparison**

11.45 – 12.00 The gamma plan and the isocentric techniques (*A. Del Vecchio*)

12.00 – 12.15 The Multiplan and the conformal techniques (*E. De Martin*)

12.15 – 12.30 Discussion

12.30 – 13.30 Lunch

### TREMOR, what if not DBS

**(chairmen: R. Eleopra – D. Servello)**

13.30 – 13.50 VIM radiobiology (*J. Regis*)

13.50 – 14.10 Radiosurgical thalamotomy for tremor and pain. Indications and results (*P. Picozzi*)

14.10 – 14.30 MRgFus a new perspective (*G. Messina*)

14.30 – 14.45 Discussion (Discussant: *M. Marchetti – M. Longhi*)

### EPILEPSY

**(chairmen: M. de Curtis – G. Lo Russo)**

14.45 – 15.05 Imaging/neuropathologic correlation in cortical dysplasia studies (*R. Garbelli*)

15.05 – 15.25 Computer-assisted identification of the epileptogenic (*V. Gnatkovsky*)

15.25 – 15.45 The MEG and epileptogenic network identification (*D. Rossi*)

15.45 – 16.00 Discussion

16.00 – 17.30 **HANDS-ON**

*M. Longhi – M. Marchetti – P. Picozzi – A. Franzini – A. Del Vecchio – M.L. Fumagalli – F. Ghielmetti – E. De Martin*