



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) endorsed course”

Spring Meeting FUNCTIONAL TARGETS

March 11th, 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. Angelo Franzini – 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, 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
Tel. +39 02 23942547 – Fax +39 02 23942465
E-mail: formazione@istituto-besta.it

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 (*A. Franzini*)
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