

INFORMAZIONI PERSONALI

Dott. Marco Rossi

rossi.marco@gmail.commarco.rossi2@unimi.it

05/11/1987 | Italia

Formazione Accademica

Posizione attuale	RTD A MED27 - Dipartimento di Oncologia e Onco-Ematologia - Università degli studi di Milano
30/10/20	Diploma di Specialità in Neurochirurgia Titolo: "Supratotal resection in low grade gliomas: feasibility, safety and oncological results" Relatore Prof. Lorenzo Bello - Dott. Marco Riva
01/11/2015 - 30/10/2020 (prevista)	Specialità in neurochirurgia Università degli studi di Milano <ul style="list-style-type: none"> • 2015-2019 Humanitas Research Hospital - Direttore Prof. Bello • Gen 2020 - Aug 2020 Policlinico di Milano - Direttore Prof. Bello • Aug 2020 - Nov 2020 Istituto Ortopedico Galeazzi - Direttore Prof. Bello
28/07/2014	Laurea in Medicina e Chirurgia Università degli studi di Milano <ul style="list-style-type: none"> ▪ 110/110 L - ISCED 6 ▪ thesis: "STUDY OF THE MOTOR OUTPUT FROM PRIMARY MOTOR CORTEX: ANALYSIS OF CORTICAL AND SUBCORTICAL RESPONSES AND CLINICAL IMPLICATION" ▪ Relatore: Prof. Lorenzo Bello - Prof. Gabriella Cerri - Università degli studi Milano
16/07/2009	Laurea Triennale in Biotecnologie Mediche Università degli studi di Milano <ul style="list-style-type: none"> ▪ 108/110 - ISCED 5 ▪ thesis: "DEFINITION OF A PROTOCOL FOR RNA EXTRACTION FROM PLASMA FOR THE ANALYSIS OF CIRCULATING miRNA" ▪ Relatore: Prof. Paolo Corradini - Istituto dei tumori di Milano
Lug 2006	Maturità Scientifica Liceo Scientifico Tecnologico J. Torriani Cremona

Presentazioni a congressi

Sett 2020	Optimized resection of Infiltrating Brain Tumor, CODMAN - Online
Nov 2019	Asian Low Grade Glioma Network Annual Meeting Singapore (invited speaker)
Sett 2019	EANS 2019 Annual Meeting. Dublin (Ireland)
	Optimized resection of Infiltrating Brain Tumor, Strasbourg (France)
Giu 2019	ELGGN Annual Meeting, London (UK)
Apr 2019	Korean Intraoperative neurophysiology society, Seul (South Korea)
Ott 2018	EANS 2018 Annual Meeting, Brussels (Belgium)
Giu 2018	ELGGN Annual Meeting, Lisbon (Portugal)
Mag 2018	Surgery Follow Function, Graz (Austria)
Apr 2018	International Brain Mapping Course, New Orleans (USA)
Mar 2018	Annual EANS Young Neurosurgeon Meeting, Oxford (UK)
Nov 2017	JNS 2017 Annual Meeting, Nagoya (Japan)
Ott 2017	EANS 2017 Annual Meeting, Venice (Italy)
	ISIN 2017, Seul (Korea)
Giu 2017	Low grade glioma network meeting Blibao (Spain)
Nov 2016	EANO Meeting 2016, Mannheim (Germany)
	Glioma Conference 2016, Singapore
Ott 2016	Gliomas: Update on Molecular and Clinical Aspect, Singapore
Sett 2016	EANS 2016 Annual meeting, Athens (Greece)
	AANS Tumor Symposium, San Diego (USA)
Giu 2016	Low grade glioma network meeting, Graz (Austria)
Nov 2015	ISIN meeting, Rio de Janeiro (Brazil)

Corsi frequentati

Ott 2018	Second International Brani Mapping Course New Orleans (USA)
Giu 2017	Annual World Course in Advanged Brain Tumour Surgery, London (UK)
Mag 2016	AANS First International Brain Mapping Course, Chicago (USA)
Lug 2015	Low grade glioma network meeting Paris (France)
Apr 2015	5th Annual EANS Young Neurosurgeons' Meeting San Sebastian (Spain)
Nov 2014	Surgical Brain Mapping 2014 - from signal to iMaging Verona (Italy)
Ott 2014	EANO annual meeting 2014 Torino (Italy)

- Sett 2014 | SINch annual meeting 2014 (Italian Society of Neurosurgery)
Vicenza (Italy)
- CUSA Neuro Course, Strasbourg (France)

ESPERIENZA LAVORATIVA

- Lug 2014 -> Ott 2015 | **Tirocinio clinico**
Reparto di Neurochirurgia - Prof. Lorenzo Bello (Istituto Clinico Humanitas)
- Ricerca clinica in Neuro-Oncologia
- Gen 2014 -> Lug 2014 | **Tirocinio di Ricerca**
Laboratorio di Neurofisiologia Prof. Gabriella Cerri (Università degli studi Milano)
- EMG and MEP analysis from intraoperative surgical monitoring
- Gen 2013 -> Gen 2014 | **Tirocinio Clinico**
Reparto di Neurochirurgia - Prof. Lorenzo Bello - Dott. Maurizio Fornari
- Attività clinica
- Apr 2009 -> Lug 2009 | **Tirocinio di Ricerca**
Dipartimento di Oncoematologia Prof. Paolo Corradini
- Attività di ricerca
 - Università degli studi Milano - Istituto Tumori di Milano

Pubblicazioni:

1. Kommers I, Bouget D, Pedersen A, et al. Glioblastoma surgery imaging—reporting and data system: Standardized reporting of tumor volume, location, and resectability based on automated segmentations. *Cancers (Basel)*. 2021;13(12).
2. Leonetti A, Puglisi G, Rossi M, et al. Factors Influencing Mood Disorders and Health Related Quality of Life in Adults With Glioma: A Longitudinal Study. *Front Oncol*. 2021;11.
3. Rossi M, Gay L, Ambrogi F, et al. Association of supratotal resection with progression-free survival, malignant transformation, and overall survival in lower-grade gliomas. *Neuro Oncol*. 2021;23(5):812-826.
4. Viganò L, Howells H, Fonia L, et al. Negative motor responses to direct electrical stimulation: Behavioral assessment hides different effects on muscles. *Cortex*. 2021;137:194-204.
5. Müller DMJ, Robe PA, Ardon H, et al. Quantifying eloquent locations for glioblastoma surgery using resection probability maps. *J Neurosurg*. 2021;134(4):1091-1101.
6. Rossi M, Gay L, Conti Nibali M, et al. Challenging Giant Insular Gliomas With Brain Mapping: Evaluation of Neurosurgical, Neurological, Neuropsychological, and Quality of Life Results in a Large Mono-Institutional Series. *Front Oncol*. 2021;11.
7. Riva M, Sciortino T, Secoli R, et al. Glioma biopsies classification using raman spectroscopy and machine learning models on fresh tissue samples. *Cancers (Basel)*. 2021;13(5):1-14.
8. Rossi M, Sciortino T, Conti Nibali M, et al. Clinical Pearls and Methods for Intraoperative Motor Mapping. *Neurosurgery*. 2021;88(3):457-467.
9. Conti Nibali M, Gay LG, Sciortino T, et al. Surgery for Glioblastoma in Elderly Patients. *Neurosurg Clin N Am*. 2021;32(1):137-148.
10. Riva M, Lopci E, Gay LG, et al. Advancing Imaging to Enhance Surgery: From Image to Information Guidance. *Neurosurg Clin N Am*. 2021;32(1):31-46.
11. Conti Nibali M, Leonetti A, Puglisi G, et al. Preserving Visual Functions During Gliomas Resection: Feasibility and Efficacy of a Novel Intraoperative Task for Awake Brain Surgery. *Front Oncol*. 2020;10.
12. Rossi M, Nibali MC, Viganò L, et al. Resection of tumors within the primary motor cortex using high-frequency stimulation: oncological and functional efficiency of this versatile approach based on clinical conditions. *J Neurosurg*. 2020;133(3):642-654.
13. Howells H, Puglisi G, Leonetti A, et al. The role of left fronto-parietal tracts in hand selection: Evidence from neurosurgery. *Cortex*. 2020;128:297-311.
14. Rossi M, Ambrogi F, Gay L, et al. Is supratotal resection achievable in low-grade gliomas? Feasibility, putative factors, safety, and functional outcome. *J Neurosurg*. 2020;132(6):1692-1705.
15. Riva M, Hiepe P, Frommert M, et al. Intraoperative computed tomography and finite element modelling for multimodal image fusion in brain surgery. *Oper Neurosurg*. 2020;18(5):531-541.
16. Fonia L, Rossi M, Rabuffetti M, et al. Direct electrical stimulation of premotor areas: Different effects on hand muscle activity during object manipulation. *Cereb Cortex*. 2020;30(1):391-405.
17. Simone L, Fonia L, Viganò L, et al. Large scale networks for human hand-object interaction: Functionally distinct roles for two premotor regions identified intraoperatively. *Neuroimage*. 2020;204.
18. Daubon T, Léon C, Clarke K, et al. Deciphering the complex role of thrombospondin-1 in glioblastoma development. *Nat Commun*. 2019;10(1).
19. Rossi M, Nibali MC, Torregrossa F, Bello L, Grasso G. Innovation in Neurosurgery: The Concept of Cognitive Mapping. *World Neurosurg*. 2019;131:364-370.

20. Zanello M, Goodden JR, Colle H, et al. Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. *Clin Neurosurg*. 2019;85(4):E702-E713.
21. Puglisi G, Howells H, Sciortino T, et al. Frontal pathways in cognitive control: Direct evidence from intraoperative stimulation and diffusion tractography. *Brain*. 2019;142(8):2451-2465.
22. Zanello M, Meyer B, Still M, et al. Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. *Seizure*. 2019;69:31-40.

23. Riva M, Lopci E, Castellano A, et al. Lower Grade Gliomas: Relationships Between Metabolic and Structural Imaging with Grading and Molecular Factors. *World Neurosurg.* 2019;126:e270-e280.
24. Conti Nibali M, Rossi M, Sciortino T, et al. Preoperative surgical planning of glioma: Limitations and reliability of fMRI and DTI tractography. *J Neurosurg Sci.* Published online 2019.
25. Viganò L, Fornia L, Rossi M, et al. Anatomic-functional characterisation of the human "hand-knob": A direct electrophysiological study. *Cortex.* 2019;113:239-254.
26. Mattavelli G, Pisoni A, Casarotti A, et al. Consequences of brain tumour resection on emotion recognition. *J Neuropsychol.* 2019;13(1):1-21.
27. Puglisi G, Sciortino T, Rossi M, et al. Preserving executive functions in nondominant frontal lobe glioma surgery: An intraoperative tool. *J Neurosurg.* 2019;131(2):474-480.
28. Rossi M, Fornia L, Puglisi G, et al. Assessment of the praxis circuit in glioma surgery to reduce the incidence of postoperative and long-term apraxia: A new intraoperative test. *J Neurosurg.* 2019;130(1):17-27.
29. Sciortino T, Fernandes B, Conti Nibali M, et al. Frameless stereotactic biopsy for precision neurosurgery: diagnostic value, safety, and accuracy. *Acta Neurochir (Wien).* Published online 2019.
30. Rossi M, Sani S, Nibali MC, Fornia L, Bello L, Byrne RW. Mapping in Low-Grade Glioma Surgery: Low- and High-Frequency Stimulation. *Neurosurg Clin N Am.* 2019;30(1):55-63.
31. Freyschlag CF, Krieg SM, Kerschbaumer J, et al. Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. *J Neurooncol.* 2018;139(3):699-711.
32. Ferpozzi V, Fornia L, Montagna M, et al. Broca's Area as a Pre-articulatory Phonetic Encoder: Gating the Motor Program. *Front Hum Neurosci.* 2018;12.
33. Fornia L, Ferpozzi V, Montagna M, et al. Functional characterization of the left ventrolateral premotor cortex in humans: A direct electrophysiological approach. *Cereb Cortex.* 2018;28(1):167-183.
34. Boyé K, Pujol N, D Alves I, et al. The role of CXCR3/LRP1 cross-talk in the invasion of primary brain tumors. *Nat Commun.* 2017;8(1).
35. Pessina F, Navarria P, Cozzi L, et al. Maximize surgical resection beyond contrast-enhancing boundaries in newly diagnosed glioblastoma multiforme: is it useful and safe? A single institution retrospective experience. *J Neurooncol.* 2017;135(1):129-139.
36. Navarria P, Pessina F, Tomatis S, et al. Are three weeks hypofractionated radiation therapy (HFRT) comparable to six weeks for newly diagnosed glioblastoma patients? Results of a phase II study. *Oncotarget.* 2017;8(40):67696-67708.
37. Lopci E, Riva M, Olivari L, et al. Prognostic value of molecular and imaging biomarkers in patients with supratentorial glioma. *Eur J Nucl Med Mol Imaging.* Published online 2017.
38. Pessina F, Navarria P, Cozzi L, et al. Role of Surgical Resection in Patients with Single Large Brain Metastases: Feasibility, Morbidity, and Local Control Evaluation. *World Neurosurg.* 2016;94:6-12.
39. Riva M, Rodriguez Baena R, Pessina F, et al. The diffusion-weighted imaging and 11-C-methionine positron emission tomography depiction of an endodermal cyst at the cervico-medullary junction. *Br J Neurosurg.* 2015;29(5):739-741.

Capacità personali

Lingua madre

Italian

Altre Lingue

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B1	B1	B1	B1
French	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills

- Basic command of MathLab (EMG analysis and MRI processing)
- Good command of Microsoft Office™ tools

ESPERIENZA CLINICA

Attività chirurgica

- Ho partecipato a 1500 interventi di neurochirurgia cranica maggiore per patologia oncologica, di cui 450 da primo operatore.

Attività clinica

Ho attivamente partecipato alla gestione di pazienti neurochirurgici in ricovero e eseguito attività ambulatoriale elettiva e attività di guardia sotto la supervisione del tutor.
Ho partecipato a tumor board multidisciplinari per la discussione di casi oncologici complessi