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Home: Via Friuli, 42, 20135 Milano (Italy)

EDUCATION AND TRAINING

PhD in Molecular Medicine

Università Vita-Salute San Raffaele [04/2015]

City: Milano | Country: Italy | Field(s) of study: Experimental Neurology Program (cicle XXVII) | Final grade: Outstanding
| Thesis: Advanced Diffusion MRI in brain tumors: from microstructure to subcortical networks

Board Certification in Radiology

Università Vita-Salute San Raffaele [08/2011]

City: Milano | Country: Italy | Final grade: 70/70 cum laude | Thesis: A novel method to characterize structural features and extension of cerebral gliomas using Diffusion Tensor MR Imaging and Texture Analysis

Medical Doctor (MD) Degree

Università Vita-Salute San Raffaele [07/2006]

City: Milano | Country: Italy | Final grade: 110/110 cum laude | Thesis: Trattografia mediante Risonanza Magnetica nello studio della patologia tumorale cerebrale

Scientific High School Diploma

Liceo Scientifico 'C. De Giorgi' [07/2000]

City: Lecce | Country: Italy | Final grade: 100/100 cum laude

WORK EXPERIENCE

Associate Professor of Neuroradiology, SSD MED/37

Università Vita-Salute San Raffaele [01/10/2023 – Current]

City: Milano | Country: Italy

Staff Neuroradiologist

Neuroradiology Department, Ospedale San Raffaele [01/07/2019 – Current]

City: Milano | Country: Italy

Assistant Professor of Neuroradiology (RTD-B, art. 24 c.3-b L. 240/10) SSD MED/37 - SC 06/I1

Università Vita-Salute San Raffaele [01/10/2020 – 30/09/2023]

City: Milano | Country: Italy

Faculty Researcher (RTD-A, art. 24 c.3-a L. 240/10) SSD MED/37 - SC 06/I1

Università Vita-Salute San Raffaele [01/03/2017 – 30/09/2020]

City: Milano | Country: Italy

Post-doctoral Research Fellow - SSD MED/37

Università Vita-Salute San Raffaele [01/06/2016 – 28/02/2017]

City: Milano | Country: Italy

Post-doctoral Research Fellow (Assegnista di ricerca) art. 22 L. 240/2010, SSD MED/37 - SC 06/I1

Università Vita-Salute San Raffaele [01/06/2015 – 31/05/2016]

City: Milano | Country: Italy

Associate Research Fellow

University of California, San Francisco [01/03/2014 – 31/03/2015]

City: San Francisco, CA | Country: United States

Department of Neurology and Department of Radiology & Biomedical Imaging (Prof. Roland Henry's Lab), UCSF
Research activities in the field of the development and application of advanced Diffusion and Tractography methods by MRI in neuro-oncology and in degenerative spinal cord pathology.

Research Fellow (Assegnista di ricerca) art. 22 L. 240/2010, SSD MED/37 - SC 06/I1

Università Vita-Salute San Raffaele [01/04/2012 – 31/03/2015]

City: Milano | Country: Italy

Research activities in the field of advanced magnetic resonance techniques applied to neuro-oncology (project title: Application of MRI tractography techniques in neuro-oncology)

Consultant Neuroradiologist

Neuroradiology Department, Ospedale San Raffaele [11/2011 – 06/2019]

City: Milano | Country: Italy

Resident in Neuroradiology

Università Vita-Salute San Raffaele [31/07/2010 – 01/08/2011]

City: Milano | Country: Italy

School of Specialisation in Radiology, Vita-Salute San Raffaele University and Neuroradiology Operating Unit, San Raffaele Hospital, Milan

Trainee

Università Vita-Salute San Raffaele [09/2004 – 07/2007]

City: Milano | Country: Italy

Pre- and post-graduate training at the Neuroradiology Department and CERMAC (Centre of Excellence for High Field Magnetic Resonance Imaging), San Raffaele Scientific Institute and Hospital, Milan

Resident in Radiology

Università degli Studi di Milano [30/07/2007 – 30/07/2010]

City: Milano | Country: Italy

School of Specialisation in Radiology, University of Milan and Institute of Radiological Sciences, San Paolo Hospital, Milan

PROJECTS

[2019 – Current]

Principal Investigator Grant Young Researchers, GR-2018-12365670, Call for Finalized Research 2018, Italian Ministry of Health Project title: 'Decoding malignant glioma heterogeneity by fully hybrid PET/MR for HYpoxia, PERfusion and Diffusion spatial habitat imaging: the HYPERDIrect study'. Total budget € 450.000

Project collaborator D3 4 Health. Digital Driven Diagnostics, prognostics and therapeutics for sustainable Health care. Complementary Plan to the PNRR, Ministry of University and Research. PI Prof. Carlo Tacchetti.

[2016 – 2020]

Project collaborator EDEN2020 'Enhanced Delivery Ecosystem for Neurosurgery in 2020', Horizon 2020, EU Funding from the European Union EU under the Horizon 2020 Research and Innovation programme (Grant Agreement no. 688279). PI Prof. Ferdinando Rodriguez Y Baena, local co-PI Prof. Andrea Falini.

Link: <https://www.eden2020.eu>

[2018 – 2020]

Project collaborator RF-2016-02361014, Call for Finalized Research 2016, Italian Ministry of Health Project title: 'Glioblastoma Advanced Neuroimaging- and Cancer stem cell-based molecular subtyping: the GLANCE project'.
PI Dr. Rossella Galli, co-PI Prof. Andrea Falini.

[2014 – 2016]

Project collaborator AIRC Investigator Grant IG 2014 (Italian Association for Cancer Research) Project title: 'Prognostic value of 18F-FAZA PET/CT in high grade glioma: comparison with MRI and correlation with hypoxia biomarkers'. PI Prof. Maria Picchio.

PUBLICATIONS

Bibliometric indicators

Links to profiles:

- Scopus (ID: 22978516500)
- Web of Science (ResearcherID: I-3973-2018)
- Orcid (ID:0000-0002-4137-9016)
- Google Scholar

Links: <https://www.scopus.com/authid/detail.uri?authorId=22978516500> | <https://www.webofscience.com/sanraffaele.idm.oclc.org/wos/author/record/1631762> | <https://orcid.org/0000-0002-4137-9016> | <https://scholar.google.it/citations?hl=it&user=YwpjUhgAAAAJ>

PUBLICATIONS

[2008]

[Motor and language DTI Fiber Tracking combined with intraoperative subcortical mapping for surgical removal of gliomas.](#) Bello L., Gambini A., **Castellano A.**, Carrabba G., Acerbi F., Fava E., Giussani C., Cadioli M., Blasi V., Casarotti A., Papagno C., Gupta A.K., Gaini S., Scotti G., Falini A.

Neuroimage, 39(1), 369-382. doi:10.1016/j.neuroimage.2007.08.031, ISSN:1053-8119

[2009]

[Intraoperative mapping and monitoring of brain functions for the resection of low-grade gliomas: technical considerations.](#) Bertani G., Fava E., Casaceli G., Carrabba G., Casarotti A., Papagno C., **Castellano A.**, Falini A., Gaini S.M., Bello L.

Neurosurgical Focus, 27(4), E4. doi:10.3171/2009.8.FOCUS09137, ISSN:1092-0684

[2010]

[Intraoperative use of diffusion tensor imaging fiber tractography and subcortical mapping for resection of gliomas: technical considerations.](#) Bello L., **Castellano A.**, Fava E., Casaceli G., Riva M., Scotti G., Gaini S.M., Falini A.

Neurosurgical Focus, 28(2), E6, doi:10.3171/2009.12.FOCUS09240, ISSN:1092-0684

[2011]

[What is the role of the uncinate fasciculus? Surgical removal and proper name retrieval.](#) Papagno C., Miracapillo C., Casarotti A., Romero Lauro L. J., **Castellano A.**, Falini A., Casaceli G., Fava E., Bello L.

Brain, 134(Pt 2), 405-414, doi:10.1093/brain/awq283, ISSN:0006-8950

[2011]

[Connectivity constraints on cortical reorganization of neural circuits involved in object naming.](#) Papagno C., Gallucci M., Casarotti A., **Castellano A.**, Falini A., Fava E., Giussani C., Carrabba G., Bello L., Caramazza A.

Neuroimage, 55(3), 1306-1313, doi:10.1016/j.neuroimage.2011.01.005, ISSN:1053-8119

[2011]

Beautiful eyes guiding powerful hands - The role of intraoperative imaging techniques in the surgical management of gliomas. Riva M., Casaceli G., **Castellano A.**, Fava E., Falini A., Bello L.

European Neurological Review, 6(3), 208-212 doi:10.17925/ENR.2011.06.03.208

[2011]

A CAD system for cerebral glioma based on texture features in DT-MR images. doi:10.1016/j.nima.2010.12.086, ISSN: 0168-9002

De Nunzio G., Pastore G., Donativi M., **Castellano A.**, Falini A.

Nuclear Instruments and Methods in Physics Research, Section A, 648(1), S100-S102

[2012]

Predictive value of inferior fronto-occipital fasciculus (IFO) DTI-fiber tracking for determining the extent of resection for surgery of frontal and temporal gliomas preoperatively. Bertani G., Carrabba G., Raneri F., Fava E., **Castellano A.**, Falini A., Casarotti A., Gaini S.M., Bello L.

Journal of Neurosurgical Sciences, 56(2),137-143, ISSN:0390-5616

[2012]

Role of diffusion tensor magnetic resonance tractography in predicting the extent of resection in glioma surgery. **Castellano A.***, Bello L., Michelozzi C., Gallucci M., Fava E., Iadanza A., Riva M., Casaceli G., Falini A. [*corresponding author]

Neuro-Oncology, 14(2), 192-202, doi:10.1093/neuonc/nor188, ISSN:1522-8517

[2014]

Cerebral correlates of visuospatial neglect: a direct cerebral stimulation study. Vallar G., Bello L., Bricolo E., **Castellano A.**, Casarotti A., Falini A., Riva M., Fava E., Papagno C.

Human Brain Mapping, 35(4), 1334-1350, doi:10.1002/hbm.22257, ISSN:1065-9471

[2014]

Tailoring neurophysiological strategies with clinical context enhances resection and safety and expands indications in gliomas involving motor pathways. Bello L., Riva M., Fava E., Ferpozzi V., **Castellano A.**, Raneri F., Pessina F., Bizzi A., Falini A., Cerri G.

Neuro-Oncology, 16(8), 1110-1128, doi:10.1093/neuonc/not327, ISSN:1522-8517

[2014]

White matter integrity in obstructive sleep apnea before and after treatment. Castronovo V., Scifo P., **Castellano A.**, Aloia M.S., Iadanza A., Marelli S., Cappa S.F., Ferini-Strambi L., Falini A.

Sleep, 37(9), 1465-1475, doi:10.5665/sleep.3994, ISSN:0161-8105

[2015]

Association Between Thoracic Spinal Cord Gray Matter Atrophy and Disability in Multiple Sclerosis. Schlaeger R., Papinutto N., Zhu A.H., Lobach I.V., Bevan C.J., Bucci M., **Castellano A.**, Gelfand J. M., Graves J.S., Green A.J., Jordan K.M., Keshavan A., Panara V., Stern W.A., von Budingen H. C., Waubant E., Goodin D.S., Cree B.A., Hauser S.L., Henry R.G.

JAMA Neurology, 72(8), 897-904, doi:10.1001/jamaneurol.2015.0993, ISSN:2168-6149

[2016]

Mirror Movements After Stroke Suggest Facilitation From Nonprimary Motor Cortex: A Case Presentation. Caronni A., Sciume L., Ferpozzi V., Blasi V., **Castellano A.**, Falini A., Perucca L., Cerri G.

Physical Medicine and Rehabilitation, 8(5), 479-483, doi:10.1016/j.pmrj.2015.10.009, ISSN:1934-1482

[2016]

Evaluation of low-grade glioma structural changes after chemotherapy using DTI-based histogram analysis and functional diffusion maps. **Castellano A.**, Donativi M., Ruda R., De Nunzio G., Riva M., Iadanza A., Bertero L., Rucco M., Bello L., Soffietti R., Falini A.

European Radiology, 26(5), 1263-1273, doi:10.1007/s00330-015-3934-6, ISSN:0938-7994

[2016]

Quantitative MRI of the spinal cord and brain in adrenomyeloneuropathy: in vivo assessment of structural changes. **Castellano A.**, Papinutto N., Cadioli M., Brugnara G., Iadanza A., Scigliuolo G., Pareyson D., Uziel G., Kohler W., Aubourg P., Falini A., Henry R.G., Politi L.S., Salsano E.

Brain, 139(Pt 6), 1735-1746, doi:10.1093/brain/aww068, ISSN:0006-8950

[2016]

T1-Weighted Dynamic Contrast-Enhanced MRI Is a Noninvasive Marker of Epidermal Growth Factor Receptor vIII Status in Cancer Stem Cell-Derived Experimental Glioblastomas. Politi L.S., Brugnara G., **Castellano A.**, Cadioli M., Altabella L., Peviani M., Mazzoleni S., Falini A., Galli R.

AJNR Am J Neuroradiol, 37(6), E49-51, doi:10.3174/ajnr.A4774, ISSN:0195-6108

Neurite Orientation Dispersion and Density Imaging Color Maps to Characterize Brain Diffusion in Neurologic Disorders. Caverzasi E., Papinutto N., **Castellano A.**, Zhu A.H., Scifo P., Riva M., Bello L., Falini A., Bharatha A., Henry R.G.

Journal of Neuroimaging. 26(5): 494-8, doi:10.1111/jon.12359, ISSN:1051-2284

[2016]

Dynamic contrast-enhanced and dynamic susceptibility contrast perfusion MR imaging for glioma grading: Preliminary comparison of vessel compartment and permeability parameters using hotspot and histogram analysis. **Santarosa C.***, **Castellano A.***, Conte G. M., Cadioli M., Iadanza A., Terreni M.R., Franzin A., Bello L., Caulo M., Falini A., Anzalone N. [*shared first authorship]

European Journal of Radiology, 85(6), 1147-1156, doi:10.1016/j.ejrad.2016.03.020, ISSN:0720-048X

Progress in neuro-imaging of brain tumors. **Castellano A.**, Falini A.

Curr Opin Oncol 28(6), 484-93, doi:10.1097/coo.0000000000000328, ISSN:1040-8746

[2017]

Resection of tumors of the third ventricle involving the hypothalamus: effects on body mass index using a dedicated surgical approach. Mortini P., Gagliardi F., Bailo M., Boari N., **Castellano A.**, Falini A., Losa M.

Endocrine, 57(1), 138-147. doi:10.1007/s12020-016-1102-7, ISSN:1355-008X

[2017]

Reproducibility of dynamic contrast-enhanced MRI and dynamic susceptibility contrast MRI in the study of brain gliomas: a comparison of data obtained using different commercial software. Conte G. M., **Castellano A.**, Altabella L., Iadanza A., Cadioli M., Falini A., Anzalone N.

Radiol Med, 122(4), 294-302. doi:10.1007/s11547-016-0720-8, ISSN:1826-6983

[2017]

3D intra-operative ultrasound and MR image guidance: pursuing an ultrasound-based management of brainshift to enhance neuronavigation. Riva M., Hennersperger C., Milletari F., Katouzian A., Pessina F., Gutierrez-Becker B., **Castellano A.**, Navab N., Bello L.

Int J Comput Assist Radiol Surg, 12(10), 1711-1725. doi:10.1007/s11548-017-1578-5, ISSN:1861-6410

[2017]

Functional MRI for surgery of gliomas. **Castellano A.**, Cirillo S., Bello L., Riva M. Falini A.

Curr Treat Options Neurol, 19(10), 34. doi:10.1007/s11940-017-0469-y, ISSN:1092-8480

[2018]

Broca's Area as a Pre-articulatory Phonetic Encoder: Gating the Motor Program. Ferpozzi V., Forna L., Montagna M., Siodambro C., **Castellano A.**, Borroni P., Riva M., Rossi M., Pessina F., Bello L., Cerri G.

Front Hum Neurosci, 12(64), 64. doi:10.3389/fnhum.2018.00064, ISSN:1662-5161

[2018]

[Brain Gliomas: Multicenter Standardized Assessment of Dynamic Contrast-enhanced and Dynamic Susceptibility Contrast MR Images.](#) Anzalone N., **Castellano A.**, Cadioli M., Conte G. M., Cuccarini V., Bizzi A., Grimaldi M., Costa A., Grillea G., Vitali P., Aquino D., Terreni M. R., Torri V., Erickson B. J., Caulo M.

Radiology, 287(3), 933-943. doi:10.1148/radiol.2017170362, ISSN:0033-8419

[Integration of Diffusion Magnetic Resonance Tractography into tomotherapy radiation treatment planning for high-grade gliomas.](#) Altabella L., Broggi S., Mangili P., Conte G. M., Pieri V., Iadanza A., del Vecchio A., Anzalone N., di Muzio N., Calandrino R., Falini A., **Castellano A.**

Physica Medica: Eur J Medical Physics, 55, 127-134. doi:10.1016/j.ejmp.2018.10.004, ISSN:1120-1797

[2019]

[The proneural gene ASCL1 governs the transcriptional subgroup affiliation in glioblastoma stem cells by directly repressing the mesenchymal gene NDRG1.](#) Narayanan A., Gagliardi F., Gallotti A. L., Mazzoleni S., Cominelli M., Fagnocchi L., Pala M., Piras I. S., Zordan P., Moretta N., Tratta E., Brugnara G., Altabella L., Bozzuto G., Gorombeï P., Molinari A., Padua R. A., Bulfone A., Politi L. S., Falini A., **Castellano A.**, Mortini P., Zippo A., Poliani P. L., Galli R.

Cell Death Differ, 26(9), 1813-1831. doi:10.1038/s41418-018-0248-7, ISSN:1350-9047

[2019]

[Lower grade gliomas: relationships between metabolic and structural imaging with grading and molecular factors.](#) Riva M., Lopci E., **Castellano A.**, Olivari L., Gallucci M., Pessina F., Fernandes B., Simonelli M., Navarria P., Grimaldi M., Ruda R., Castello A., Rossi M., Alfiero T., Soffietti R., Chiti A., Bello L.

World Neurosurg, 126, e270-e280. doi:10.1016/j.wneu.2019.02.031, ISSN:1878-8750

[2019]

[The RANO Leptomeningeal Metastasis Group proposal to assess response to treatment: lack of feasibility and clinical utility, and a revised proposal.](#) Le Rhun E., Devos P., Boulanger T., Smits M., Brandsma D., Rudà R., Furtner J., Hempel J. M., Postma T. J., Roth P., Sniijders T. J., Winkler F., Winklerhofer S., **Castellano A.**, Hattingen E., Capellades J., Gorlia T., van den Bent M., Wen P. Y., Bendzus M., Weller M., on behalf of the European Organisation for Research and Treatment of Cancer (EORTC) Brain Tumor Group (BTG) Central Nervous System (CNS) Metastases Committee and the EORTC BTG Imaging Committee

Neuro Oncol, 21(5), 648-658. doi:10.1093/neuonc/noz024, ISSN:1522-8517

[2019]

[Comparison of T1 mapping and fixed T1 method for dynamic contrast-enhanced MRI perfusion in brain gliomas.](#) Conte G. M., Altabella L., **Castellano A.**, Cuccarini V., Bizzi A., Grimaldi M., Costa A., Caulo M., Falini A., Anzalone N.

Eur Radiol, 29(7), 3467-3479. doi:10.1007/s00330-019-06122-x, ISSN:0938-7994

[2019]

[Longitudinal quantitative MRI in adrenomyeloneuropathy.](#) Politi L. S.*, **Castellano A.***, Papinutto N., Mauro E., Pareyson D., Henry R. G., Falini A., Salsano E. [*shared first authorship]

Eur J Neurol, 26(10), 1341-1344. doi:10.1111/ene.13959, ISSN:1351-5101

[The Role of Surgery in Meningiomas.](#) Bailo M., Gagliardi F., Boari N., **Castellano A.**, Spina A., Mortini P.

Curr Treat Options Neurol, 21(10), 51. doi:10.1007/s11940-019-0587-9, ISSN:1092-8480

[2019]

[Automated Steerable Path Planning for Deep Brain Stimulation Safeguarding Fiber Tracts and Deep Gray Matter Nuclei.](#) Segato A., Pieri V., Favaro A., Riva M., Falini A., De Momi E., **Castellano A.**

Frontiers in Robotics and AI, 6(70). doi:10.3389/frobt.2019.00070, ISSN:2296-9144

[2019]

[In vivo Diffusion Tensor Magnetic Resonance Tractography of the Sheep Brain: An Atlas of the Ovine White Matter Fiber Bundles.](#) Pieri V., Trovatelli M., Cadioli M., Zani D. D., Brizzola S., Ravasio G., Acocella F., Di Giancamillo M., Malfassi L., Dolera M., Riva M., Bello L., Falini A., **Castellano A*** [*corresponding author]

Frontiers in Veterinary Science, 6(345). doi:10.3389/fvets.2019.00345, ISSN:2297-1769

[2019]

[Enhanced SPARCL1 expression in cancer stem cells improves preclinical modeling of glioblastoma by promoting both tumor infiltration and angiogenesis.](#) Gagliardi F., Narayanan A., Gallotti A. L., Pieri V., Mazzoleni S., Cominelli M., Rezzola S., Corsini M., Brugnara G., Altabella L., Politi L. S., Bacigaluppi M., Falini A., **Castellano A.**, Ronca R., Poliani P. L., Mortini P., Galli R.

Neurobiol Dis, 134, 104705. doi:10.1016/j.nbd.2019.104705, ISSN:0969-9961

[2019]

[Role of functional imaging techniques to assess motor and language cortical plasticity in glioma patients: a systematic review.](#) Cirillo S., Caulo M., Pieri V., Falini A., **Castellano A.**

Neural Plasticity, 16. doi:10.1155/2019/4056436, ISSN:2090-5904

[2020]

[Hypoxia and Amino Acid Imaging of High-Grade Glioma: 18F-FAZA PET/CT and 11C-Methionine PET/MRI.](#) Mapelli P., Fallanca F., Scifo P., Barbera M., **Castellano A.**, Bettinardi V., Incerti E., Gianolli L., Anzalone N., Picchio M.

Clin Nucl Med, 45(6), e290-e293. doi:10.1097/rlu.0000000000003028, ISSN:0363-9762

[2020]

[fMRI-targeted High-Angular Resolution Diffusion MR Tractography to identify functional language tracts in healthy controls and glioma patients.](#) Sanvito F., Caverzasi E., Riva M., Jordan K.M., Blasi V., Scifo P., Iadanza A., Crespi S.A., Cirillo S., Casarotti A., Leonetti A., Puglisi G., Grimaldi M., Bello L., Gorno-Tempini M.L., Henry R.G., Falini A., **Castellano A.*** [*corresponding author]

Frontiers in Neuroscience, 14(225), doi:10.3389/fnins.2020.00225, ISSN:0363-9762

[2020]

[Italian consensus and recommendations on diagnosis and treatment of low-grade gliomas. An intersociety \(SINch/AINO/SIN\) document.](#) Ruda R., Angileri F.F., Ius T., Silvani A., Sarubbo S., Solari A., **Castellano A.**, Falini A., Pollo B., Del Basso De Caro M., Papagno C., Minniti G., De Paula U., Navarra P., Nicolato A., Salmaggi A., Pace A., Fabi A., Caffo M., Lombardi G., Carapella C.M., Spena G., Iacoangeli M., Fontanella M., Germano A.F., Olivi A., Bello L., Esposito V., Skrap M., Soffietti R., Sinch Neuro-Oncology Section A., & Section S.I.N.N.-O.

J Neurosurg Sci, 64(4), 313-33. doi:10.23736/s0390-5616.20.04982-6, ISSN:0390-5616

[2020]

[Multifocal laminar cortical brain lesions: a consistent MRI finding in neuro-COVID-19 patients.](#) Anzalone N., **Castellano A.**, Scotti R., Scandroglio A.M., Filippi M., Ciceri F., Tresoldi M., & Falini A.

J Neurol, 267(10), 2806-2809. doi:10.1007/s00415-020-09966-2, ISSN:1432-1459

[2020]

[Pathological brain CT scans in severe COVID-19 ICU patients.](#) **Castellano A.**, Anzalone N., Pontesilli S., Fominskiy E., & Falini A.

Intensive Care Med, 46(11), 2102-2104. doi:10.1007/s00134-020-06222-z, ISSN:1432-1238

[2020]

[Clinical Management of Diffuse Low-Grade Gliomas.](#) Lombardi G., Barresi V., **Castellano A.**, Tabouret E., Pasqualetti F., Salvalaggio A., Cerretti G., Caccese M., Padovan M., Zagonel V., & Ius T.

Cancers, 12(10), 3008. doi:10.3390/cancers12103008, ISSN:2072-6694

[2020]

[Advancing Imaging to Enhance Surgery: From Image to Information Guidance.](#) Riva M., Lopci E., Gay L.G., Nibali M.C., Rossi M., Sciortino T., **Castellano A.**, & Bello L.

Neurosurgery Clinics of North America, 32(1), 31-46. doi:10.1016/j.nec.2020.08.003, ISSN:1042-3680

[2021]

[Along-tract statistics of neurite orientation dispersion and density imaging diffusion metrics to enhance MR tractography quantitative analysis in healthy controls and in patients with brain tumors.](#) Pieri V., Sanvito F., Riva M., Petrini A., Rancoita P.M.V., Cirillo S., Iadanza A., Bello L., **Castellano A.***, & Falini A. [*corresponding author and shared last authorship]

Hum Brain Mapp, 42(5). doi:10.1002/hbm.25291, ISSN:1097-0193

[2021]

[Integrating Diffusion Tensor Imaging and Neurite Orientation Dispersion and Density Imaging to Improve the Predictive Capabilities of CED Models.](#) Vidotto M., Pederzani M., Castellano A., Pieri V., Falini A., Dini D., & De Momi E.

Ann Biomed Eng, 49(2), 689-702. doi:10.1007/s10439-020-02598-7, ISSN:1573-9686

[2021]

[18F-FAZA PET/CT in pretreatment assessment of hypoxic status in high-grade glioma: correlation with hypoxia immunohistochemical biomarkers.](#) Mapelli P., Callea M., Fallanca F., Castellano A., Bailo M., Scifo P., Bettinardi V., Conte G.M., Monterisi C., Rancoita P.M.V., Incerti E., Vuozzo M., Gianolli L., Terreni M., Anzalone N., & Picchio M.

Nucl Med Commun, 42(7), 763-771. doi:10.1097/mnm.0000000000001396, ISSN:0143-3636

[2021]

[Development and in-vivo Assessment of a Novel MRI-Compatible Headframe System for the Ovine Animal Model.](#) Trovatelli M., Brizzola S., Zani D.D., Castellano A., Mangili P., Riva M., Woolley M., Johnson D., Rodriguez Y.B.F., Bello L., Falini A., & Secoli R.

Int J Med Robot 17(4), e2257. doi:10.1002/rcs.2257, ISSN:1478-5951

[2021]

[Advancements in Neuroimaging to Unravel Biological and Molecular Features of Brain Tumors.](#) Sanvito F., Castellano A.*, & Falini A. [*corresponding author]

Cancers, 13(3), 424. doi:10.3390/cancers13030424, ISSN:2072-6694

[2021]

[Advanced imaging techniques for radiotherapy planning of gliomas.](#) Castellano A., Bailo M., Cicone F., Carideo L., Quartuccio N., Mortini P., Falini A., Cascini G.L. & Minniti G.

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[2021]

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[2022]

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[Aftereffects to Prism Exposure without Adaptation: A Single Case Study.](#) Albini F., Pisoni A., Salvatore A., Calzolari E., Casati C., Marzoli S.B., Falini A., Crespi S.A., Godi C., **Castellano A.**, Bolognini N., & Vallar G.

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[2022]

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[2022]

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[2023]

[Evaluating syntactic comprehension during awake intraoperative cortical stimulation mapping.](#) Riva M., Wilson S.M., Cai R., **Castellano A.**, Jordan K.M., Henry R.G., Gorno Tempini M.L., Berger M.S., & Chang E.F.

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[2023]

[Aberrant L-Fucose accumulation and increased core fucosylation are metabolic liabilities in mesenchymal glioblastoma.](#) Pieri V., Gallotti A.L., Drago D., Cominelli M., Pagano I., Conti V., Valtorta S., Coliva A., Lago S., Michelatti D.,

Massimino L., Ungaro F., Perani L., Spinelli A., **Castellano A.**, Falini A., Zippo A., Poliani P.L., Moresco R.M., Andolfo A., & Galli R.

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[2023]

[Imaging characterization of an adult H3 K27M-altered diffuse midline glioma of the medulla oblongata with a confounding steroid response.](#) Godi C., Garofalo P., Callea M., Vezzulli P., Barbera M., Mandelli C., Mazza E., Pollo B., Terreni M.R., **Castellano A.**, Anzalone N., & Falini A.

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[2023]

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Journal of Neuro-Oncology. doi:10.1007/s11060-023-04274-x, ISSN:1573-7373

[2023]

[Quality assessment, variability and reproducibility of anatomical measurements derived from T1-weighted brain imaging: The RIN-Neuroimaging Network case study.](#) Bosco P., Lancione M., Retico A., Nigri A., Aquino D., Baglio F., Carne I., Ferraro S., Giulietti G., Napolitano A., Palesi F., Pavone L., Savini G., Tagliavini F., Bruzzone M.G., Gandini Wheeler-Kingshott C.A.M., Tosetti M., Biagi L., & Network R.I.N.N.

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[2023]

[Longitudinal brain functional connectivity changes induced by neurosurgical thalamotomy for tremor in Parkinson's disease: a preliminary study.](#) Albano L., Basaia S., Emedoli D., Balestrino R., Pompeo E., Barzaghi L.R., **Castellano A.**, Falini A., Iannaccone S., Mortini P., Filippi M., & Agosta F.

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[2023]

[Combining semi-quantitative rating and automated brain volumetry in MRI evaluation of patients with probable behavioural variant of fronto-temporal dementia: an added value for clinical practise?](#) Calloni S.F., Vezzulli P.Q., **Castellano A.**, Leone R., Basaia S., von Loon A., Spinelli E.G., Magnani G., Caso F., Agosta F., Filippi M., & Falini A.

Neuroradiology, 65(6), 1025-1035. doi:10.1007/s00234-023-03133-w, ISSN:0028-3940

[2023]

[Liquid biopsy of cerebrospinal fluid enabling the detection and therapeutic targeting of the BRAF\(V600E\) mutation in a patient with overlapping Erdheim-Chester/Rosai-Dorfman disease.](#) Pieri V., Berzero G., Paterra R., Ferré L., Tomelleri A., Campochiaro C., Esposito F., Calimeri T., Cangi M.G., Tenace N.P., Ferreri A.J.M., **Castellano A.**, Barbera M., Anzalone N., Gay L.G., Bello L., Colecchia M., Ponzoni M., Finocchiaro G., & Filippi M.

J Neurol. doi:10.1007/s00415-023-11983-w, ISSN:0340-5354

[Comprehensive Brain Tumour Characterisation with VERDICT-MRI: Evaluation of Cellular and Vascular Measures Validated by Histology.](#) Figini M., **Castellano A.***, Bailo M., Callea M., Cadioli M., Bouyagoub S., Palombo M., Pieri V., Mortini P., Falini A., Alexander D.C., Cercignani M., & Panagiotaki E. [*corresponding author]

Cancers, 15(9), 2490. doi:10.3390/cancers15092490, ISSN:2072-6694

[2023]

[Multiple sclerosis imaging in clinical practice: a European-wide survey of 428 centers and conclusions by the ESNR Working Group.](#) Hodel J., Vernooij M.W., Beyer M.K., Severino M., Leclerc X., Créange A., Wahab A., Badat N., Tolédano S., van den Hauwe L., Ramos A., **Castellano A.**, Krainik A., Yousry T., & Rovira À.

Eur Radiol. doi:10.1007/s00330-023-09701-1, ISSN:0938-7994

[2024]

[Neuromuscular imaging in clinical practice: an ESNR survey of 30 centers.](#) Gerevini S., Cristiano L., D'Anna G., **Castellano A.**, Vernooij M.W., Yousry T., & Pichiecchio A.

Neuroradiology, 66(2), 179-186. doi:10.1007/s00234-023-03255-1, ISSN:1432-1920

BOOK CHAPTERS

[2012]

Preoperative diffusion tensor imaging: contribution to surgical planning and validation by intraoperative electrostimulation.

Bello L., **Castellano A.**, Fava E., Casaceli G., Riva M., Falini A.

In Brain Mapping. From Neural Basis of Cognition to Surgical Applications. Duffau H (ed.), p. 263-275. Springer Wien New York (ISBN 978-3-7091-0722-5)

[2018]

Presurgical Planning By Images.

Castellano A. & Falini A.

In Operative Cranial Neurosurgical Anatomy. Gagliardi F., Gragnaniello C., Mortini P., Caputy A.J. (ed.), Thieme Medical Publishers Inc. (ISBN 978-1-6262-3216-7)

[2019]

Radiation and Chemotherapy-Induced Injury: clinical scenario and neuroimaging.

Castellano A. & Anzalone N.

In Clinical Neuroradiology - The ESNR (European Society of Neuroradiology) Textbook - Springer Wien New York (ISBN 978-3-319-68537-3)

Link: https://doi.org/10.1007/978-3-319-61423-6_68-1

[2023]

Meningioma and Other Meningeal Tumors

Bailo M., Gagliardi F., Boari N., Spina A., Piloni M., **Castellano A.**, & Mortini P.

In N. Rezaei & S. Hanaei (Eds.), *Human Brain and Spinal Cord Tumors: From Bench to Bedside. Volume 2: The Path to Bedside Management* (pp. 73-97). Cham: Springer International Publishing (ISBN 978-3-031-23704-1)

Link: https://doi.org/10.1007/978-3-031-23705-8_3

EDITORIAL ACTIVITIES

Editorial and reviewing activities in international journals

Prof. Castellano is member of the Editorial Board of the journal European Radiology Experimental, Associate Editor in the Editorial Board of the journals Frontiers in Oncology, Neuro-Oncology and Neurosurgical Oncology section, and Frontiers in Radiology, Neuroradiology section; Review Editor in the journals Frontiers in Neuroscience and Frontiers in Neurology, Brain Imaging Methods section. He is also a regular reviewer for the journals Neuro-Oncology, Human Brain Mapping, Neuroimage Clinical, Neuroradiology, Neurological Sciences and European Radiology Experimental.

MANAGEMENT AND LEADERSHIP SKILLS

Chair of the Functional Neuroradiology Section and Board Member of the Italian Association of Neuroradiology (AINR) 2022 - current

Member of the ESR European Imaging Biomarkers Alliance Subcommittee, part of the ESR (European Society of Radiology) Research Committee 2023 - current

Link: <https://www.myesr.org/research/european-imaging-biomarkers-alliance-eiball>

Member of the Diagnostic Neuroradiology Committee of the European Association of Neuroradiology (ESNR) 2020 - current

Link: <https://www.esnr.org/en/about-esnr/committees/diagnostic-neuroradiology-committee/>

Member of the Scientific Committee of the European Association of Neuro-Oncology (EANO) 2020 - current

Link: <https://www.eano.eu/about/about-us/committees/scientific-committee/>

Board Member of the Italian Chapter of the ISMRM (International Society for Magnetic Resonance in Medicine) 2018 - current

Link: <http://www.ismrm.it/it/direttivo/>

NETWORKS AND MEMBERSHIPS

[Current]

Scientific affiliations 2018 - present Member of the Italian Association of Neuro-Oncology (AINO)

2012 - present Member of the European Society of Neuroradiology (ESNR)

2008 - present Member of the European Low-Grade Glioma Network

2007 - present Member of the Italian Association of Neuroradiology (AINR)

2007 - present Member of the Italian Society of Medical and Interventional Radiology (SIRM)

2007 - present Member of the European Society of Radiology (ESR)

2007 - present Member of the International Society for Magnetic Resonance in Medicine (ISMRM)

ORGANISATIONAL SKILLS

Participation in scientific committees and organisation of national and international congresses

- Participation in the scientific committee of the XIV Congress Italian Association of Magnetic Resonance in Medicine - Italian Chapter ISMRM, Palermo (IT), 12-14 September 2023
- Coordinator and Scientific Director of the 6th National Congress of Functional Neuroradiology AINR (Italian Association of Neuroradiology) - Padua, 5-6 December 2022
- Participation in the scientific committee of the XIII Congress Italian Association of Magnetic Resonance in Medicine - Italian Chapter ISMRM, Pisa (IT), 24-25 November 2022
- Participation in the Scientific Committee of the 3rd Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - ESNR European Society of Diagnostic and Interventional Neuroradiology, Madrid, Spain, 16-18 November 2022
- Participation in the scientific committee of the XII Congress Italian Association of Magnetic Resonance in Medicine - Italian Chapter ISMRM - virtual edition, 16-17 December 2021
- Participation in the scientific committee of the XI Congress Italian Association of Magnetic Resonance in Medicine - Italian Chapter ISMRM - virtual edition, 10-11 December 2020
- Participation in the scientific committee of the X Congress Italian Association of Magnetic Resonance in Medicine - Italian Chapter ISMRM, Milan (IT), 28-29 March 2019
- Participation in the local organising committee of the 2nd Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - ESNR European Society of Diagnostic and Interventional Neuroradiology, San Raffaele Scientific Institute, Milan (IT), 22-25 January 2019
- Scientific organisation of the first 'Young Topics in Neuroradiology' Meeting, Centro Studi Area Radiologica AINR/SIRM, Rome (IT)
- Participation in the local organising committee of the 1st Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - ESNR European Society of Neuroradiology Diagnostic and Interventional, Milan, Istituto Scientifico San Raffaele, 8-10 November 2017

CONFERENCES AND SEMINARS

Invited lectures Prof. Castellano has participated as an invited speaker in over sixty scientific meetings and courses promoted by national and international scientific societies. Below are the details of the invited lectures for each year.

2023

- Anatomy of white matter tracts. European Course on Advanced Imaging Techniques in Neuroradiology - 1st Cycle Module 3 on Diffusion MRI, jointly organized by the European Society of Neuroradiology (ESNR) and the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB) - Berlin, 18-20 May 2023
- *WS 'Tumor Grading' and 'Lymphoma, leukemia and hematopoietic malignancies'* at the European Course in Neuroradiology, Diagnostic and Interventional, 17th Cycle Module 2 - Berlin, 14-18 May 2023

2022

- Relatore del 'Corso teorico-pratico: DTI e trattografia', VI Congresso Nazionale di Neuroradiologia Funzionale - Padova, 5-6 dicembre 2022
- MR diffusion (DWI and DTI) clinical applications. ESNR European Society of Neuroradiology Diagnostic and Interventional - Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - Madrid, 16-18 November 2022
- Tumori cerebrali: Applicazioni nei tumori dell'adulto. Radiomica e Intelligenza Artificiale: Futuro o presente della radiologia? Congresso congiunto dei gruppi Regionali SIRM Puglia e SIRM Basilicata - Lecce, 11-12 novembre 2022
- Quantitative assessment of brain gliomas by advanced MRI and radiomics. Swiss-Italian Neuro-Oncology Meeting 2022 - Advances and controversies in Neuro-Oncology - Lugano (Switzerland), 28-29 October 2022
- Intelligenza Artificiale in Neuroradiologia: applicazioni nell'imaging neuro-oncologico. 50° Congresso Nazionale SIRM (Società Italiana di Radiologia Medica) - Roma, 6-9 Ottobre 2022
- What is new in the imaging of brain tumours: Imaging findings in unusual brain tumours - European Congress of Radiology (ECR). Vienna, 13-17 luglio 2022
- Trattografia: impiego clinico in neurochirurgia - Software di ricostruzione a confronto. 31° Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia). Roma, 8-11 giugno 2022
- Gliomi: diagnostica post terapia (radio-chemio e nuove terapie). 31° Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia). Roma, 8-11 giugno 2022
- BOLD: Tips & Tricks. 31° Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia). Roma, 8-11 giugno 2022
- Update in Neuro-Oncology, Webinar 2022 – Advanced neuroimaging and laboratory techniques - MRI diffusion, perfusion and spectroscopy: indications and limits. 7 giugno 2022
- Expert Meeting – Update del trattamento del glioblastoma: dalla diagnosi alla terapia. Il ruolo dell'imaging nel Glioblastoma. 16 maggio 2022

2020 - 2021

- Radiomics to aid clinical decision making - European Association of Neuro-Oncology (EANO) Educational Day, October 23, 2021
- Case-based review of presurgical DTI mapping - ESNR European Society of Neuroradiology Diagnostic and Interventional – Brain Teaser on Advanced Imaging Techniques in Neuroradiology June 7, 2021
- Looking closer at the insula: the role of advanced imaging techniques. Webinar SINch (Società Italiana di Neurochirurgia) 2021 - L'insula svelata, dal reale al virtuale - 18 febbraio 2021
- Gliomi: imaging applicato alla diagnostica molecolare. Ottobrate Neuroradiologiche Romane - Il Modulo - Gliomi - 16 Gennaio / 19 Febbraio 2021 AINR Virtual
- DTI e memoria - Cinque Giornate dell'AINR Virtual: Neuroradiologia Pediatrica e Funzionale - 30 novembre / 4 Dicembre 2020
- Imaging signatures of glioma molecular phenotypes. Aggiornamenti Webinar in Neuro-oncologia - IRCCS Istituto Neurologico C. Besta, 16 novembre 2020

2019

- Radiomics: una nuova frontiera della neuroimmagine nell'era molecolare. XXIII Congresso Nazionale e Corso Residenziale AINO (Associazione Italiana di Neuro-Oncologia) - Udine, 10-12 Novembre 2019
- Imaging 'molecolare'. 30° Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia). Ortigia - Siracusa, 2-5 ottobre 2019
- Targeted treatment decisions in recurrent glioblastoma: Can be based on primary tumor imaging? 14th meeting of the European Association of Neuro-Oncology (EANO) – Lyon (France), September 19-22, 2019
- Radiogenomica: correlazione tra genotipi tumorali e RM avanzata nell'adulto. Imaging in Neuroradiologia Pediatrica, Cagliari, 14-15 giugno 2019
- Gliomi di basso grado - Radiogenomica: correlazione tra i genotipi tumorali e RM avanzata. Young Topics in Neurosurgery - Update sul trattamento dei tumori cerebrali - Roma, 4 maggio 2019
- Imaging signatures of brain tumors genotypes. Italian Chapter ISMRM (International Society for Magnetic Resonance in Medicine) - Milano, 28-29 marzo 2019
- Combined MR perfusion and diffusion radiomic analysis in a multicenter setting to detect molecular subtypes of diffuse lower-grade gliomas. Nordic NeuroLab Workshop - Oslo (Norway), February 18, 2019
- MR diffusion (DWI and DTI) clinical applications. ESNR European Society of Neuroradiology Diagnostic and Interventional – 2nd Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - Milan, 22-25 January 2019
- Does new classification of LGG changes therapy? Follow up and surveillance. Joint Meeting of the Austrian Society for Neurooncology (SANO) and the Italian Society of Neurooncology (AINO) - Salzburg (Austria), January 10, 2019

2018

- Dal DTI ai modelli avanzati di trattografia: cosa abbiamo guadagnato (o perso)? Imaging Avanzato in Neuroradiologia AINR (Associazione Italiana di Neuroradiologia) - Napoli, 3-5 Dicembre 2018
- Lower grade gliomas: Neuroimaging avanzata - XXII Congresso Nazionale e Corso Residenziale AINO (Associazione Italiana di Neuro-Oncologia) - Mantova, 25-27 Novembre 2018
- Valutazione della risposta al trattamento dei tumori cerebrali. Settimana di Neuroradiologia Residenziale AINR (Associazione Italiana di Neuroradiologia) - Napoli, 19-23 Novembre 2018
- Radiogenomica: correlazioni tra genotipi tumorali ed RM "avanzata". 48° Congresso Nazionale SIRM (Società Italiana di Radiologia Medica) - Genova, 8-11 Novembre 2018
- Radiogenomica. Corso teorico-pratico 'Highlights in Neuro-Oncologia' - Torino, 28-29 Settembre 2018
- Quantitative diffusion MRI in neuro-oncology. European Society of Neuroradiology (ESNR) 41th Annual Meeting, 25th Advanced Course in Diagnostic Neuroradiology & 10th Advanced Course in Interventional Neuroradiology - Rotterdam, The Netherlands, 19-23 September 2018
- Clinical perspective on quantitative diffusion imaging. Philips Neuro-Oncology Council - Rotterdam, The Netherlands, 23-24 September 2018
- Advanced Diffusion MRI in brain tumors: tractography and microstructure. Italian Chapter ISMRM (International Society for Magnetic Resonance in Medicine) - Padova, 10-11 Maggio 2018

2017

- Le diagnosi differenziali in Neuroimaging. XXI Congresso Nazionale e Corso Residenziale AINO (Associazione Italiana di Neuro-Oncologia) - Trento, 26-29 Novembre 2017
- Gliomi: Radiogenomica. Congresso Annuale della Sezione di Neuroradiologia SIRM (Società Italiana di Radiologia Medica) - Napoli, 16-17 Novembre 2017
- MR diffusion (DWI and DTI) clinical applications. ESNR European Society of Neuroradiology Diagnostic and Interventional - Advanced Course in Diagnostic Neuroradiology (Level III) - Glioma Imaging - Milan, 8-10 November 2017
- Imaging Funzionale e Trattografia RM. La Neuroradiologia OGGI: dal morfologico al funzionale - Lecce, 6-7 ottobre 2017
- Dal DTI ai modelli avanzati di trattografia: cosa abbiamo guadagnato (o perso)? IV Congresso Nazionale di Neuroradiologia Funzionale AINR - Parma, 3-4 novembre 2017
- Latest developments in MRI DTI. Swiss-Italian Neuro-Oncology Meeting - Advances and controversies in Neuro-Oncology - Turin, 29-30 September 2017
- Gliomi I: diagnostica e terapia - fMRI nel mapping preoperatorio. 29° Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia) 2017 - Milano, 27-30 Settembre 2017

2016

- Imaging del follow-up in neuro-oncologia: valutazione quantitativa e volumetria tumorale. Corso Itinerante AINR (Associazione Italiana di Neuroradiologia) 2016 - Diagnostica di base e update - Milano, 21 Ottobre 2016
- Ruolo del DTI e fMRI nel planning operatorio. Imaging in Risonanza Magnetica ad Alta Relassività del Sistema Nervoso Centrale - Corso monotematico sui Tumori Cerebrali - Milano, 6 Maggio 2016
- Relassività magnetica T1: principi fisici, tecniche di acquisizione, misure di perfusione. Corso AINR (Associazione Italiana di Neuroradiologia) di Perfusione Cerebrale per Immagini - Roma, 18 Marzo 2016
- MRI and genomics - Clinical applications: Neuro. Risonanza Magnetica in Medicina 2016: dalla ricerca tecnologica avanzata alla pratica clinica - Italian Chapter ISMRM (International Society for Magnetic Resonance in Medicine) - Bologna, 4-5 Febbraio 2016

dal 2008 al 2014

- Imaging del follow-up. Congresso Annuale della Sezione di Neuroradiologia SIRM, "Aggiornamento in Neuroradiologia Diagnostica" - Milano, 13 Dicembre 2013
- Low-grade gliomas: diagnosis and follow-up. "Four Courses in Neuroradiology", Università degli Studi di Roma "La Sapienza" e AINR - Roma, June 26, 2013
- Structural heterogeneity of Low-Grade Gliomas. 8th European Low Grade Glioma Network Meeting - Tolosa (Francia), 20-21 Aprile 2012
- Diffusion Tensor Magnetic Resonance Imaging and Tractography: a walk-through of the virtual dissection of human brain white matter pathways. Università del Salento, Laboratorio di Anatomia Umana e Neuroscienze - Lecce, 20 Aprile 2011
- Diffusion Tensor Imaging (DTI) & Fiber Tractography: clinical applications. MAGIC-5 Workshop on Medical Imaging Applications and Tools - Istituto Nazionale di Fisica Nucleare (INFN) - Serralunga d'Alba (Cuneo), 5 Maggio 2009
- DTI Tractography: Basics, pitfalls & tract identification clues. 5th European Low Grade Glioma Network Meeting - Barcellona (Spagna), 30-31 Gennaio 2009
- Role of DTI Tractography in clinical neuroradiology. Dipartimento Testa-Collo, Istituto Scientifico e Ospedale San Raffaele - Milano, 9 Dicembre 2008
- Diffusion Tensor Imaging (DTI) & Fiber Tracking: technical principles and clinical applications. Università degli Studi di Torino, Dipartimento di Fisica - Torino, 17 Dicembre 2008

2015

- Avanzamenti in RM: Diffusione e Trattografia. Congresso Annuale della Sezione di Neuroradiologia SIRM (Società Italiana di Radiologia Medica), "Update 2015 in Neuroradiologia Diagnostica" - Brescia, 10-11 Dicembre 2015
- Nuove metodiche di neuroimaging nel follow-up dei low-grade gliomas. XIX Congresso Nazionale e Corso Residenziale AINO (Associazione Italiana di Neuro-Oncologia) - Milano Marittima (RA), 26-28 Ottobre 2015
- Role of Diffusion Tensor MR Tractography in predicting the extent of resection in glioma surgery. The Brain and Gliomas - when the connections are crucial. Aula Magna, Faculty of Medicine, University of Brescia (Italy) - Brescia, 24-26 Settembre, 2015
- Biomarker molecolari e imaging. XXVIII Congresso Nazionale AINR (Associazione Italiana di Neuroradiologia) - Napoli, 16-18 Settembre 2015
- DWI: oltre l'ischemia. Corso AINR di Tecniche Funzionali in Neuroradiologia: tutto quello (o quasi) che è necessario sapere - Roma, 15 Aprile 2015

HONOURS AND AWARDS

[19/10/2000] Federazione Nazionale dei Cavalieri del Lavoro - Presidenza della Repubblica Italiana

'Alfiere del Lavoro' award Medal by the President of the Italian Republic Carlo Azeglio Ciampi (19 ottobre 2000) for excellence in studies.

[06/10/2006] Italian Association of Neuroradiology (AINR)

Best oral presentation award at XXII Annual Meeting of the AINR 'Correspondence between fiber tracking and intraoperative subcortical neurostimulation sites of motor and speech circuits in brain tumour patients'

[03/10/2008] Italian Association of Neuroradiology (AINR)

Best oral presentation award at XXIV Annual Meeting of the AINR 'Exploring the connections of SMA in patients with cerebral gliomas: a combined MR DTI tractography and intraoperative subcortical mapping study'

[01/2012] Italian Association of Neuroradiology (AINR)

Scholarship awarded by AINR Research Project Development Grant awarded by AINR for the project "Multicentre 3T Magnetic Resonance Imaging study for the combined assessment of T1 permeability and T2* perfusion in cerebral gliomas".

[11/12/2019] Associazione Premio Carla Russo

First International 'Carla Russo' Award Award dedicated to the best young researchers who have distinguished themselves in the research, clinic and therapy of brain gliomas.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

Inglese

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French






LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Digital Skills - Test Results

 Information and data literacy	ADVANCED Level 6 / 6
 Communication and collaboration	ADVANCED Level 6 / 6
 Digital content creation	ADVANCED Level 6 / 6
 Safety	ADVANCED Level 6 / 6
 Problem solving	ADVANCED Level 6 / 6

Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

PROFESSIONAL REGISTERS

[26/03/2007 - 27/03/2017]

Professional Register of Physicians and Surgeons, Order of the Province of Lecce

Registration number: 7078

[28/03/2017 - Current]

Professional Register of Physicians and Surgeons, Order of the Province of Milano

Registration number: 45126

Milano, 04/2024

