

**Emanuele Pravatà (MD)**

*FMH Diagnostic Radiology*

Member of the Swiss Society of Neuroradiology (SSNR)  
Member of the European Society of Neuroradiology (ESNR)  
Member of the Italian Society of Neuroradiology (AINR)

Place and Date of Birth: ROME (ITALY), 26 Aug 1979.

Work address: NEUROCENTER of ITALIAN SWITZERLAND – via Tesserete, 46 – 6903 Lugano – (CH)

**Present Job Position:**

Research coordinator of Neuroradiology Department, Neurocenter of Southern Switzerland. (April 2015 to present)

-Neurocenter of Italian Switzerland, Ospedale Regionale di Lugano – Neuroradiology Dept. (Chef de Clinique - November 2012 to present)

- Neurocenter of Italian Switzerland, Ospedale Regionale di Lugano – Neurology Dept. (Consultant Neuroradiologist for Multiple Sclerosis Imaging: December 2013 to present)

- “Zappi Bartalena” Private imaging center (Imola – BO) – Neuroradiology freelance consultant (September 2011 to present).

**Previous Job Positions:**

-Rome American Hospital Radiology Dept. (Freelance May-2010 to April 2012)

MRI and CT: Brain, Spine, Head and Neck, Chest, Abdominal and Musculoskeletal pathology.

**Curriculum studiorum**

**MEDICAL DEGREE**

-School of Medicine, Catholic University of Sacred Heart, Rome, Italy (Oct.1998 - Mar.2005).

-Thesis: “Acute effects of amiodarone administration on thyroid hormones metabolism”.

-Graduated cum Laude (30 March 2005).

**GRADUATE TRAINING**

-Residency : Radiology (Policlinico “A. Gemelli”, Radiodiagnostic and Bioimaging Department - Catholic University of Sacred Heart, Rome, Italy) ( Oct. 2005 – Oct. 2009).

-Internship: Radiology Department “Complesso Integrato Columbus” (CIC) - Rome, Italy - (June - August 2006).

- Internship: Institute for Advanced Biomedical Technologies (ITAB) – Chieti, Italy - (Nov. 2008 – Aug. 2009). (Supervisor: Dr. Caulo Massimo)
- Thesis: “ Functional Connectivity MRI of the language network in patients with drug-resistant epilepsy.” (Supervisor: Prof. Colosimo Cesare).
- Graduated cum Laude (26 October 2009).

### POST-RESIDENCY TRAINING

-EUROPEAN DIPLOMA IN NEURORADIOLOGY (EDiNR) awarded by the European Society of Neuroradiology (ESNR) – September 7, 2014

-Good Clinical Practice certificate (TRREE trainee program in Research and ethics evaluation) – January 5, 2015

### POST-RESIDENCY ACADEMIC TRAINING:

- Clinical and Research Assistant Department of Radiology, Policlinico “A. Gemelli” (Catholic University of the Sacred Heart of Rome, IT). (Jan-2010 to April-2012). Brain imaging.

- Research Collaborator (*Voxel Based Morphometry in Alzheimer’s Disease and Diffusion Kurtosis Imaging*) and Visiting Observer in the Department of Radiology, Division of Neuroradiology, at the Medical University of South Carolina in Charleston, South Carolina - USA, from May to September 2012.

### SCIENTIFIC PUBLICATIONS:

#### **Papers:**

-Zecca C, Merlini A, Disanto G, Rodegher M, Panicari L, Romeo MA, Candrian U, Messina MJ, Pravata E, Moiola L, Stefanin C, Ghezzi A, Perrone P, Patti F, Comi G, Gobbi C, Martinelli V. *Half-dose fingolimod for treating relapsing-remitting multiple sclerosis: Observational study*. Mult Scler. 2017 Feb 1:1352458517694089.

-Pravata E, Rocca MA, Valsasina P, Riccitelli GC, Gobbi C, Comi G, Falini A, Filippi M. *Gray matter trophism, cognitive impairment, and depression in patients with multiple sclerosis*. Mult Scler. 2017 Feb. [Epub ahead of print] PubMed PMID: 28169581.

-Spampinato MV, Langdon BR, Patrick KE, Parker RO, Collins H, Pravata' E. *Gender, apolipoprotein E genotype, and mesial temporal atrophy: 2-year follow-up in patients with stable mild cognitive impairment and with progression from mild cognitive impairment to Alzheimer's disease*. Neuroradiology, 2016 Sept (in press).

- Pravatà E, Zecca C, Sestieri C, Caulo M, Riccitelli GC, Rocca MA, Filippi M, Cianfoni A, Gobbi C. *Hyperconnectivity of the dorsolateral prefrontal cortex following mental effort in multiple sclerosis patients with cognitive fatigue*. *Mult Scler*. 2016 Feb 4.
- Pravatà E., Tavernier J., Parker R., Hrvoje V., Mintzer E. J., Spampinato, M.V. *The Neural Correlates of Anomia in the Conversion from Mild Cognitive Impairment to Alzheimer's Disease*. *Neuroradiology*. 2016 Jan;58(1):59-67.
- Zecca C, Disanto G, Sormani MP, Riccitelli GC, Cianfoni A, Delgrande F, Pravatà E, Gobbi C *Relevance of asymptomatic spinal MRI lesions in patients with multiple sclerosis*. *Mult Scler*. 2015 Oct 12.
- Rocca MA, Pravatà E, Valsasina P, Radaelli M, Colombo B, Vacchi L, Gobbi C, Comi G, Falini A, Filippi M. *Hippocampal-DMN disconnectivity in MS is related to WM lesions and depression*. *Hum Brain Mapp*. 2015 Dec;36(12):5051-63.
- Zecca C, Heldner MR, Kamm CP, Riccitelli GC, Disanto G, Caporro M, Cianfoni A, Pravatà E, Gobbi C. *Natalizumab in spinal multiple sclerosis in a daily clinical setting*. *Expert Opin Biol Ther*. 2015 May;15(5):633-40.
- Pravatà E, Cereda C, Gabutti A, Distefano D, Cianfoni A. *Late-onset cauda equina contrast-enhancement: a rare MRI finding in subacute spinal cord infarction*. *Spine J*. 2014 Aug 9.
- Silveri MC, Pravatà E, Brita AC, Improta E, Ciccarelli N, Rossi P, Colosimo C. *Primary progressive aphasia: Linguistic patterns and clinical variants*. *Brain Lang*. 2014 Aug;135:57-65.
- Pravatà E, Sestieri C, Colicchio G, Colosimo C, Romani GL, Caulo M. *Functional connectivity MRI and post-operative language performance in temporal lobe epilepsy: initial experience*. *Neuroradiol J*. 2014 Apr;27(2):158-62.
- Caulo M, Panara V, Tortora D, Mattei PA, Briganti C, PRAVATA' E, Salice S, Cotroneo AR, Tartaro A. *Data-driven Grading of Brain Gliomas: A Multiparametric MR Imaging Study*. *Radiology*. 2014 Mar 22:132040.
- C. Gobbi, M.A. Rocca, E. Pagani, G.C. Riccitelli, E. PRAVATA', M. Radaelli, F. Martinelli-Boneschi, A. Falini, G. Comi, M. Filippi, MD. *Forceps minor damage and co-occurrence of depression and fatigue in multiple sclerosis*. *Mult Scler*. 2014 Oct;20(12):1633-40.
- PRAVATA' E, Sestieri C, Colicchio G, Colosimo C, Romani GL, Caulo M. *Functional connectivity MRI and post-operative language performance in temporal lobe epilepsy: initial experience*. *Neuroradiol J*. 2014 Apr;27(2):158-62.
- Di Lazzaro V, Giambattistelli F, PRAVATA' E, Assenza G. *Brachial palsy after deep sleep*. *J Neurol Neurosurg Psychiatry*. 2014 Mar 12.

- Luigetti M, PRAVATA' E, Colosimo C, Sabatelli M, Masciullo M, Capone F, Lo Monaco M, Monforte M, Silvestri G, Ricci E, Pacciani E, Di Lazzaro V. *MRI Neurography Findings in Patients with Idiopathic Brachial Plexopathy: Correlations with Clinical-neurophysiological Data in Eight Consecutive Cases*. Intern Med. 2013;52(18):2031-9.
- Luigetti M, PRAVATA' E, Bernardo D, Izzo MG, Servidei S. *Subacute combined degeneration*. Acta Neurol Belg. 2013 Jul 11.
- Profice P, Renna R, Pilato F, Sestito A, Infusino F, Bruno I, PRAVATA' E, Di Lazzaro V. *Cardiovascular impairment in a patient with acute myelitis*. Spinal Cord. 2013 Jun;51(6):511-3
- Luigetti M, PRAVATA' E, Bartalena T, Cianfoni A. - *An Uncommon Cause of Headache Resolution: Spontaneous Ventriculostomy in Obstructive Hydrocephalus*. Headache. 2013 Mar 27.
- Cianfoni A., PRAVATA' E., De Blasi R. Tschuor C.S., Bonaldi G. - *Clinical presentation of cerebral aneurysms* – Eur J Radiol 2012 Dec 10.
- Luigetti M, Bartalena T, PRAVATA' E, Cianfoni A. *Spontaneous bilateral internal carotid artery dissection presenting with right hemifacial pain*. Headache. 2012 Nov;52(10):1574-5.
- Capone F, PRAVATA' E, Novello M, Moncelsi S, Pirronti T, Meglio M, Servidei S. *A rare case of life-threatening giant plexiform schwannoma*. Spine J. 2012 Jan;12(1):83
- Massimi L, PRAVATA' E, Tamburrini G, Gaudino S, Pettorini B, Novegno F, Colosimo C Jr, Di Rocco C. *Endoscopic third ventriculostomy for the management of Chiari I and related hydrocephalus: outcome and pathogenetic implications*. Neurosurgery. 2011 Jan 6.
- Di Lazzaro V, Profice P, Pilato F, Capone F, Ranieri F, Florio L, Colosimo C, PRAVATA' E, Pasqualetti P, Dileone M. *The Level of Cortical Afferent Inhibition in Acute Stroke Correlates With Long-Term Functional Recovery in Humans*. Stroke. 2012 Jan;43(1):250-2.
- Di Lazzaro V, Profice P, Dileone M, Della Marca G, Colosimo C, Pravatà E, Pavone A, Pennisi M, Maviglia R, Pilato F. *Delayed hypothermia in malignant ischaemic stroke*. Neurol Sci. 2011 Oct 15.
- PRAVATA' E, Sestieri C, Mantini D, Briganti C, Colicchio G, Marra C, Colosimo C, Tartaro A, Romani GL, Caulo M. *Functional Connectivity MR Imaging of the Language Network in Patients with Drug-Resistant Epilepsy*. AJNR Am J Neuroradiol. 2010 Dec 16.
- Cianfoni A, Cina A, PRAVATA' E, Della Marca G, Vollono C, Maiuro G, Colosimo C. *Neurocysticercosis: still life in the brain*. Arch Neurol. 2009 Oct;66(10):1290-1.
- Di Lazzaro V, Profice P, Pilato F, Capone F, Ranieri F, Pasqualetti P, Colosimo C, PRAVATA' E, Cianfoni A, Dileone M. *Motor Cortex Plasticity Predicts Recovery in Acute Stroke*. Cereb Cortex. 2009 Oct 5.
- Capone F, Pilato F, Profice P, PRAVATA' E, Di Lazzaro V. *A case of stroke induced micrographia*. J Neurol Neurosurg Psychiatry 2009 80: 1356.

**Oral Communications:** (First author and presenter):

PRAVATA' E., Caulo M., Briganti C., Colosimo C., Mantini D., Sestieri C., Tartaro A.  
*-Functional Connectivity-MRI of the Language Network in Patients with drug-resistant Epilepsy.*  
-European Congress of Radiology – Vienna, March 2010  
-ASNR meeting – Boston, May 2010  
-RSNA meeting – Chicago, Dec 2010

PRAVATA' E., Briganti C., Colosimo C., Mantini D., Sestieri C., Tartaro A., Caulo M.  
*-Functional Connectivity MRI predicts language performance after surgical treatment for intractable epilepsy*  
-European Congress of Radiology – Vienna, March 2011  
-ISMRM - Milan, September 2011

E. PRAVATA', J. Tavernier, R. Parker, H. Vavro, J.E. Mintzer, MV. Spampinato  
“The neural correlates of anomia in the conversion from mild cognitive impairment to Alzheimer’s disease”  
-European Congress of Radiology – Vienna, 8 March 2013

MV Spampinato, E. PRAVATA', K Patrick, R. Parker.  
“Gender Differences in Gray Matter atrophy patterns in amnesic mild cognitive impairment with progression to Alzheimer’s Disease.”  
-European Congress of Radiology – Vienna, 8 March 2013

E. PRAVATA', M.A. Rocca, G. Riccitelli, E. Pagani, M. Radaelli, F. Martinelli-Boneschi, A. Falini, G. Comi, M. Filippi.  
“Brain WHITE MATTER Tracts Microstructural Alterations in nMultiple Sclerosis Patients with Depression and Fatigue: a Diffusion Tensor MRI Study”.  
- AINR Congress of Neuroradiology 2013 – l’Aquila, 18-21 September 2013.

E. PRAVATA', Carlo Sestieri, Massimo Caulo, Gianna Riccitelli, Chiara Zecca, Alessandro Cianfoni, Claudio Gobbi.  
“Brain Intrinsic resting-state functional connectivity modulation induced by mental effort in multiple sclerosis patients with fatigue.”  
- RSNA Meeting 2010 – Chicago, 29 Nov – 5 Dec 2014.

E. PRAVATA', Maria A. Rocca, Paola Valsasina, Gianna C. Riccitelli, Claudio Gobbi, Giancarlo Comi, Andrea Falini, Massimo Filippi  
“Influence of cognitive impairment and depression on the cortical trophism of patients with multiple sclerosis” – 39<sup>th</sup> “European Society of Neuroradiology” Annual Meeting, Belgrade 15-18 September 2016.

**Book Chapters:**

Srikanth R. Boddu, Alessandro Cianfoni, Kyung-Wha Kim, Mohammad Amin Banihashemi, Emanuele Pravata, Y. Pierre Gobin, Athos Patsalides “*Spinal Cord Infarction and Differential Diagnosis*” in book: “*Neurovascular Imaging*”, pp.1125-1183, Springer Science, New York 2016.

**AWARDS and GRANTS:**

- Best Poster 2015 Joint Neurosurgery and Neuroradiology Annual Meeting, Lucerne, 11-09-2015: Pravata E, Sestieri C, Caulo M, Riccitelli G, Zecca C, Cianfoni A, Gobbi C. “Brain intrinsic resting-state functional connectivity modulation induced by mental effort in multiple sclerosis patients with fatigue”.
- “Salvatore Nicolais” Young Radiologist Research Prize – UCSC – Radiology Dep. Oct, 2009: “*Functional Connectivity MR Imaging of the Language Network in Patients with Drug-Resistant Epilepsy*”.
- “AFAR” 2011 – research prize for fMRI in the presurgical mapping of brain tumors. UCSC – Radiology Dep. Feb, 2011
- “Imaging classico e funzionale nei tumori cerebrali” research prize – UCSC Pediatric science Dept. Feb. 2012 - Policlinico A. Gemelli, Rome

