

Emanuele Pravatà (MD)

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

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 “Compleso 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 COURSES:

- *EUROPEAN SOCIETY OF NEURORADIOLOGY* - Diagnostic and Interventional “Pierre Lasjaunias” European Course of Neuroradiology: 11th cycle – 3rd Course “*Vascular diseases*” - Tarragona, (Spain) - October 28-November 1, 2011. *Examination Passed*

SCIENTIFIC PUBLICATIONS:

Papers:

- 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.
- Capone F, PRAVATA' E, Novello M, Monceli S, Pirroni 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 2011 – in press.
- 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.
- 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

Posters:

- Calandrelli R., Gaudino S., PRAVATA' E., D'apolito G., Tartaglione T. Colosimo C., *Differential Diagnosis of Pure Suprasellar Masses: A Picture Essay* (Chicago RSNA Meeting 2011 Education Exhibit)
- Gaudino S., PRAVATA' E., Lorusso V., Martucci M., Di Lella G.M., Colosimo C. *Solitary Brain Metastases (SBMs): The Many Faces and Few Constants of a Frequent Finding* (Chicago RSNA Meeting 2011 Education Exhibit)
- Calandrelli R., PRAVATA' E., Gaudino S., Costantini A.M., Di Lella G.M., Colosimo C. *Differential Diagnosis of Ventricular and Subependymal Lesions in the Brain* (Chicago RSNA Meeting 2011 Education Exhibit)
- Cianfoni A., PRAVATA' E., Plantone D., Pilato F, Colosimo C., Di Lazzaro V. *Acute Stroke and Electrocardiographic Abnormalities, a Brain Lesion Localization Study.* (American Society of Neuroradiology Meeting – Vancouver, 2009)
- 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.* (AINR National Congress – Florence, Oct. 2009)
- Briganti C., Caulo M., Sestieri C., PRAVATA' E., Mantini D., Tartaro A. *Connettività Funzionale con Risonanza Magnetica (FC-MRI) delle aree del Linguaggio in pazienti con Gliomi cerebrali.* (AINR National Congress – Florence, Oct. 2009)

AWARDS:

- “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

Clinical Practice / Research Experience:

-Policlinico “A. Gemelli” (Catholic University of the Sacred Heart of Rome) Radiology Dept. (Clinical and Research Assistant – Jan-2010 to present). Brain imaging.

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

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

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

- Co-investigator in BRACCO “PHASE IV, DOUBLE BLIND, MULTI-CENTER, RANDOMIZED, CROSSOVER STUDY TO COMPARE 0.1 mmol/kg OF MULTIHANCE WITH 0.1mmol/kg OF GADOVIST IN MAGNETIC RESONANCE IMAGING OF THE BRAIN (M.E.R.I.T). at Policlinico “A. Gemelli” (Catholic University of the Sacred Heart of Rome) Radiology Dept. (Sept. 2009 to Nov. 2010).

SKILLS

-English (spoken and written language): fluent (passed Cambridge First Certificate exam in 1995 – grade B)

-Use of BrainVoyager, MRICro, DTI Studio, and SPM software packages for brain functional imaging:

Functional Connectivity – MRI (Pre-surgical Cortical Mapping, Default Network activity, Brain Functional Connectivity); BOLD-fMRI

DTI-Fiber Tracking (Fractional Anisotropy estimation. Pre-surgical Fiber tracks mapping).;

Brain Lesion-Mapping.

-Extensive experience with MS Windows OS environments and MS Office suite

-Basic knowledge of LINUX OS environments.

-General Aviation Student Pilot Certificate (ENAC – ICAO standards compliant) .