
CURRICULUM VITAE

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Date of Birth: March 13, 1972

Place of Birth: Genova, Italia

Education:

1990: Maturità Classica - Liceo Classico "Vittorino da Feltre" Genova
1996: M.D. Degree - Università di Genova – Italy

Postdoctoral Training

1996-2000: Residency in Neurology - Università di Genova, ITALY
2001-2004: PhD in Neurology, Psychiatry and Neurogenetics - Università di Genova, ITALY
2002-2004: Research fellowship - Department of Neuroradiology, Massachusetts General Hospital, Harvard Medical School, Boston, USA.
2007-2008: Master in Neurovascular Diseases - Paris Sud University, FRANCE
2006-2009: Residency in Radiology - Università di Milano, ITALY

Licensure and certification:

1996: Italian Board of Medicine (full marks)
2000: Italian Board of Neurology (full marks "cum laude")
2007: United States Medical Licence Examination (USMLE) Step 1
2008: United States Medical Licence Examination (USMLE) Step 2 CK
2008: United States Medical Licence Examination (USMLE) Step 2 CS
2007-2008: Master in Neurovascular Diseases (MSc) Paris Sud University
2009: Italian Board of Radiology

Professional Position

Assistant professor in Neuroradiology at the University of Genoa

Visiting Appointments:

February – May 1998: Laboratory of Experimental Neuropathology of the University of Vienna prof. Hans Lassmann

April – May 2000: Neuroimmunology Unit, San Raffaele Scientific Institute Milan Dr. Gianvito Martino

March-August 2002: Department of Neuroradiology; Università “La Sapienza” of Rome Prof L Bozzao

August 2002-March 2004: Department of Neuroradiology, Massachusetts General Hospital – Harvard Medical School Boston USA prof RG Gonzalez

May 2006-September 2006: Department of Neuroradiology, Pitié-Salpêtrière Hospital – Paris, France Prof J. Chiras, Dr. A Biondi

June 2009-December 2009 and November 2010 – November 2011: Department of diagnostic and interventional Neuroradiology, Foch Hospital – Suresnes, Paris, France Prof G Rodesch

Professional Societies:

Member of the European society of neuroradiology (ESNR)

Member of the Italian association of neuroradiology (AINR)

Member of the Italian society of radiology (SIRM)

Member of the European society of radiology

Research and Clinical Contributions:

He is currently assistant professor in Neuroradiology at the University of Genoa. He is working at the Magnetic Resonance Research Centre on Nervous System Diseases and at the Department of Neurosciences of the University of Genoa where he leads a research group with interest in the study of inflammatory diseases of the central nervous system by using conventional and quantitative MR imaging. Dr. Roccatagliata's clinical activity is carried out in the Neuroradiology Department of San Martino University Hospital in Genoa, Italy.

He also maintains collaboration with Dr. Georges Rodesch (Hopital Foch in Paris-Suresnes, France) center of excellence for the study and treatment of vascular pathology of the brain and of the spinal cord.

He has worked as research fellow in the Department of Neuroradiology of the Massachusetts General Hospital (MGH) where he was involved in clinical research on MRI imaging of acute stroke, focusing on the use of Diffusion MRI and Perfusion MRI to identify tissue potentially salvageable with recanalization techniques and tissue at high risk for hemorrhagic transformation. The goal of the study is to optimize patient selection for recanalization therapies (intravenous and/or intra-arterial). He also was involved in clinical research with first pass quantitative CT perfusion in acute stroke and vasospasm.

His background research formation includes also neuropathology of demyelinating diseases and the use of animal models of multiple sclerosis to study disease mechanism and new treatments. He has focused his experimental neuropathology research on axonal damage in multiple sclerosis and autoimmune encephalomyelitis (EAE). This background completes his knowledge in clinical aspects and neuropathology of demyelinating and autoimmune diseases involving the central nervous system.

Report of local teaching

Dr. Roccatagliata teaches “introduction to neuroradiology” to medical students during the Neurology course and radiology course at the University of Genova

He also teaches neuroradiology to residents in Neurology, Radiology, Psychiatry and Endocrinology at the University of Genoa

Awards and Honors:

Berlex Best Paper in Neuroradiology Award 2003:

Schaefer, PW, **Roccatagliata L**, Ledezma C, Schwamm, L, Gonzalez, RG

Initial Experience with Diffusion and Perfusion MRI in Patients Undergoing Intra-arterial Thrombolysis.

Presented at the 41st ASNR annual meeting and symposium april 26-may 2 2003 Washington DC

Berlex Best Paper in Neuroradiology Award 2004:

Schaefer, P. W., **Roccatagliata, L.**, Ledezma, C. J., Gonzalez, R. G., Koroshetz, W. J., Lev, M. H.

Assessment of Tissue Viability with Quantitative CT Perfusion in Acute Ischemic Stroke Patients Treated with Intraarterial Thrombolysis

Presented at the 42st ASNR annual meeting and symposium June 5-11 2004 Seattle

Poster of Distinction Award in the 29th Annual MGH Research Symposium and Poster Session.

Camargo ECS, Koroshetz WJ, Cunnane ME, **Roccatagliata L**, Grieco RJ, Singhal AB, Harris GJ, Smith W, Borczuk P, Furie KL, Gonzalez RG, Lev MH.

Computed Tomography Angiography Source Images Have Added Value Over Unenhanced Computed Tomography in the Detection and Tissue Outcome Prediction of Acute Middle Cerebral Artery Infarction

Presented on February 16, 2005 main MGH Campus, Harvard medical school, Boston MA.

Bibliography

69 Original articles (indexed in Pub-Med):

Pardini M, Bonzano L, **Roccatagliata L**, Mancardi GL, Bove M.

The fatigue-motor performance paradox in multiple sclerosis.

Sci Rep. 2013 Jun 18;3:2001. doi:10.1038/srep02001. PubMed PMID: 23774178; PubMed Central PMCID: PMC3684814

Bandettini di Poggio M, Gagliardi S, Pardini M, Marchioni E, Monti Bragadin M,

Reni L, Doria-Lamba L, **Roccatagliata L**, Ceroni M, Schenone A, Cereda C.

A novel compound heterozygous mutation of C20orf54 gene associated with Brown-Vialetto-Van Laere syndrome in an Italian family.

Eur J Neurol. 2013 Jul;20(7):e94-5. doi: 10.1111/ene.12163. PubMed PMID: 23750839.

Jovicich J, Marizzoni M, Sala-Llonch R, Bosch B, Bartres-Faz D, Arnold J,

Benninghoff J, Wiltfang J, **Roccatagliata L**, Nobili F, Hensch T, Trankner A,

Schonknecht P, Leroy M, Lopes R, Bordet R, Chanoine V, Ranjeva JP, Didic M,

Gros-Dagnac H, Payoux P, Zoccatelli G, Alessandrini F, Beltramello A, Bargallo N,

Blin O, Frisoni GB; The PharmaCog Consortium.

Brain morphometry reproducibility in multi-center 3T MRI studies: A comparison of cross-sectional and longitudinal segmentations. *Neuroimage*. 2013 May 11. doi:pii: S1053-8119(13)00497-7.10.1016/j.neuroimage.2013.05.007. [Epub ahead of print] PubMed PMID: 23668971.

Roccatagliata L, Bracard S, Holmin S, Soderman M, Rodesch G. Pediatric intracranial arteriovenous shunts: a global overview. *Childs Nerv Syst*. 2013 Jun;29(6):907-19. doi: 10.1007/s00381-013-2114-8. Epub 2013 Apr 28. PubMed PMID: 23624781.

Orru E, **Roccatagliata L**, Cester G, Causin F, Castellan L. Complications of endovascular treatment of cerebral aneurysms. *Eur J Radiol*. 2013 Jan 16. doi:pii: S0720-048X(12)00638-9. 10.1016/j.ejrad.2012.12.011. [Epub ahead of print] PubMed PMID: 23332977.

Sato K, **Roccatagliata L**, Depuydt S, Rodesch G. Multiple aneurysms of thoracic spinal cord arteries presenting with spinal infarction and subarachnoid hemorrhage: case report and literature review. *Neurosurgery*. 2012 Nov;71(5):E1053-8. doi: 10.1227/NEU.0b013e3182647be4. PubMed PMID: 23086108.

Bonzano L, Tacchino A, Saitta L, **Roccatagliata L**, Avanzino L, Mancardi GL, Bove M. Basal ganglia are active during motor performance recovery after a demanding motor task. *Neuroimage*. 2013 Jan 15;65:257-66. doi: 10.1016/j.neuroimage.2012.10.012. Epub 2012 Oct 12. PubMed PMID: 23063450.

Haddad S, Condetto-Auliac S, Ozanne A, **Roccatagliata L**, Rodesch G. Arteriovenous fistula of the filum terminale: Radiological diagnosis and therapeutic management by embolization. *J Neuroradiol*. 2012 Dec;39(5):368-72. doi: 10.1016/j.neurad.2012.05.004. Epub 2012 Aug 3. PubMed PMID: 22863611.

Annovazzi P, Tomassini V, Bodini B, Boffa L, Calabrese M, Cocco E, Cordioli C, De Luca G, Frisullo G, Gallo A, Malucchi S, Paolicelli D, Pesci I, Radaelli M, Ragonese P, **Roccatagliata L**, Tortorella C, Vercellino M, Zipoli V, Gasperini C, Rodegher M, Solaro C. A cross-sectional, multicentre study of the therapeutic management of multiple sclerosis relapses in Italy. *Neurol Sci*. 2012 Mar 11. [Epub ahead of print] PubMed PMID: 22407022.

Wu O, Benner T, **Roccatagliata L**, Zhu M, Schaefer PW, Sorensen AG, Singhal AB. Evaluating effects of normobaric oxygen therapy in acute stroke with MRI-based predictive models. *Med Gas Res*. 2012 Mar 9;2(1):5. doi: 10.1186/2045-9912-2-5. PubMed PMID: 22404875; PubMed Central PMCID: PMC3388462.

Mancardi GL, Sormani MP, Di Gioia M, Vuolo L, Gualandi F, Amato MP, Capello E, Curro D, Uccelli A, Bertolotto A, Gasperini C, Lugaresi A, Merelli E, Meucci G, Motti L, Tola MR, Scarpini E, Repice AM, Massacesi L, Saccardi R; **Italian BMT Study Group (as a member of the Italian BMT study group)**

Autologous haematopoietic stem cell transplantation with an intermediate intensity conditioning regimen in multiple sclerosis: the Italian multi-centre experience. *Mult Scler*. 2012 Jun;18(6):835-42. doi: 10.1177/1352458511429320. Epub 2011 Nov 29. PubMed PMID: 22127896.

Dinia L, Bonzano L, Albano B, Finocchi C, Del Sette M, Saitta L, Castellan L, Gandolfo C, **Roccatagliata L**.

White Matter Lesions Progression in Migraine with Aura: A Clinical and MRI Longitudinal Study.

J Neuroimaging. 2012 Jan 23. doi: 10.1111/j.1552-6569.2011.00643.x. [Epub ahead of print]

Trompetto C, Avanzino L, Marinelli L, Mori L, Pelosin E, **Roccatagliata L**, Abbruzzese G. Corticospinal excitability in patients with secondary dystonia due to focal lesions of the basal ganglia and thalamus.

Clin Neurophysiol. 2011 Sep 23. [Epub ahead of print] PubMed PMID: 21945153.

Roccatagliata L, van den Berg R, Soderman M, Boulin A, Condette-Auliac S, Rodesch G. Developmental venous anomalies with capillary stain: a subgroup of symptomatic DVAs?

Neuroradiology. 2011 Jun 11. [Epub ahead of print] PubMed PMID: 21667050.

Fung SH, **Roccatagliata L**, Gonzalez RG, Schaefer PW.

MR diffusion imaging in ischemic stroke.

Neuroimaging Clin N Am. 2011 May;21(2):345-77, xi. PubMed PMID: 21640304.

Bergamino M, Saitta L, Castellan L, Zona G, Bartolini B, Spaziante R, **Roccatagliata L**. Cerebral aneurysms database, a new free database for intracranial aneurysms. *Neuroinformatics*. 2011 Dec;9(4):427-30. PubMed PMID: 21614673.

Bonzano L, Tacchino A, **Roccatagliata L**, Sormani MP, Mancardi GL, Bove M.

Impairment in explicit visuomotor sequence learning is related to loss of microstructural integrity of the corpus callosum in multiple sclerosis patients with minimal disability.

Neuroimage. 2011 Jul 15;57(2):495-501. Epub 2011 Apr 30. PubMed PMID: 21549844.

Albano B, Del Sette M, **Roccatagliata L**, Gandolfo C, Primavera A.

Cortical subarachnoid hemorrhage associated with reversible cerebral vasoconstriction syndrome after elective triplet cesarean delivery.

Neurol Sci. 2011 Jun;32(3):497-501. Epub 2011 Mar 8. PubMed PMID: 21384275.

Aldea S, Guedin P, **Roccatagliata L**, Boulin A, Auliac S, Dupuy M, Cerf C, Gaillard S, Rodesch G.

Controlateral cavernous syndrome, brainstem congestion and posterior fossa venous thrombosis with cerebellar hematoma related to a ruptured intracavernous carotid artery aneurysm.

Acta Neurochir (Wien). 2011 Jun;153(6):1297-302. Epub 2011 Mar 6. PubMed PMID: 21380852.

Sormani MP, Bonzano L, **Roccatagliata L**, De Stefano N.

Magnetic resonance imaging as surrogate for clinical endpoints in multiple sclerosis: data on novel oral drugs.

Mult Scler. 2011 May;17(5):630-3. Epub 2010 Dec 21. PubMed PMID: 21177320.

Roccatagliata L, Guedin P, Condette-Auliac S, Gaillard S, Colas F, Boulin A, Wang A, Guieu S, Rodesch G.

Partially thrombosed intracranial aneurysms: symptoms, evolution, and therapeutic management.

Acta Neurochir (Wien). 2010 Dec;152(12):2133-42. Epub 2010 Aug 20. PubMed PMID: 20725843.

Sormani MP, Bonzano L, **Roccatagliata L**, Mancardi GL, Uccelli A, Bruzzi P.

Surrogate endpoints for EDSS worsening in multiple sclerosis. A meta-analytic approach.

Neurology. 2010 Jul 27;75(4):302-9. Epub 2010 Jun 23. PubMed PMID: 20574036.

Pardini M, Bonzano L, Mancardi GL, **Roccatagliata L**.

Frontal networks play a role in fatigue perception in multiple sclerosis.

Behav Neurosci. 2010 Jun;124(3):329-36. PubMed PMID: 20528076.

Bonzano L, Tacchino A, **Roccatagliata L**, Mancardi GL, Abbruzzese G, Bove M.

Structural integrity of callosal midbody influences intermanual transfer in a motor reaction-time task.

Hum Brain Mapp. 2011 Feb;32(2):218-28. doi: 10.1002/hbm.21011. PubMed PMID: 20336657.

Gonzalez RG, Hakimelahi R, Schaefer PW, **Roccatagliata L**, Sorensen AG, Singhal AB.

Stability of large diffusion/perfusion mismatch in anterior circulation strokes for 4 or more hours.

BMC Neurol. 2010 Feb 10;10:13. PubMed PMID: 20146800; PubMed Central PMCID: PMC2830931.

Vuolo L, Bonzano L, Roccatagliata C, Parodi RC, **Roccatagliata L**. Reversibility of brain lesions in a case of Neuro-Behcet's disease studied by MR diffusion.

Neurol Sci. 2010 Apr;31(2):213-5. Epub 2010 Jan 30. PubMed PMID: 20119742.

Capello E, Vuolo L, Gualandi F, Van Lint MT, **Roccatagliata L**, Bonzano L, Pardini M, Uccelli A, Mancardi G.

Autologous haematopoietic stem-cell transplantation in multiple sclerosis: benefits and risks.

Neurol Sci. 2009 Oct;30 Suppl 2:S175-7. Review. PubMed PMID: 19882370.

Anwar MN, Bonzano L, Sebastiano DR, **Roccatagliata L**, Gualniera G, Vitali P, Ogliastro C, Spadavecchia L, Rodriguez G, Sanguineti V, Morasso P, Bandini F.

Real-time artifact filtering in continuous VEPs/fMRI recording.

J Neurosci Methods. 2009 Nov 15;184(2):213-23. Epub 2009 Aug 12. PubMed PMID: 19682492.

Bonzano L, **Roccatagliata L**, Mancardi GL, Sormani MP.

Gadolinium-enhancing or active T2 magnetic resonance imaging lesions in multiple sclerosis clinical trials?

Mult Scler. 2009 Sep;15(9):1043-7. Epub 2009 Jul 1. PubMed PMID: 19570818.

Pardini M, Garaci FG, Bonzano L, **Roccatagliata L**, Palmieri MG, Pompili E, Coniglione F, Krueger F, Ludovici A, Floris R, Benassi F, Emberti Gialloreti L.

White matter reduced streamline coherence in young men with autism and mental retardation.

Eur J Neurol. 2009 Nov;16(11):1185-90. Epub 2009 Jun 15. PubMed PMID: 19538216.

Roccatagliata L, Vuolo L, Bonzano L, Pichiecchio A, Mancardi GL.

Multiple sclerosis: hyperintense dentate nucleus on unenhanced T1-weighted MR images is associated with the secondary progressive subtype.

Radiology. 2009 May;251(2):503-10. PubMed PMID: 19401576.

Sormani MP, Bonzano L, **Roccatagliata L**, Cutter GR, Mancardi GL, Bruzzi P.

Magnetic resonance imaging as a potential surrogate for relapses in multiple sclerosis: a meta-analytic approach.

Ann Neurol. 2009 Mar;65(3):268-75. PubMed PMID: 19334061.

De Feo F, **Roccatagliata L**, Bonzano L, Castelletti L, Mancardi G, Traverso CE.

Magnetic resonance imaging in patients implanted with Ex-PRESS stainless steel glaucoma drainage microdevice.

Am J Ophthalmol. 2009 May;147(5):907-11, 911.e1. Epub 2009 Feb 20. PubMed PMID: 19232564.

Pichiecchio A, Tavazzi E, Maccabelli G, Ponzio M, Romani A, Schiappacassa R, Poloni GU, Franciotta D, **Roccatagliata L**, Bergamaschi R, Bastianello S.

MR peri-CSF lesions and CSF oligoclonal bands in Italian multiple sclerosis patients.

Acta Neurol Scand. 2009 Oct;120(4):242-5. Epub 2008 Dec 22. PubMed PMID: 19154539.

Pichiecchio A, Tavazzi E, Maccabelli G, Precupanu CM, Romani A, **Roccatagliata L**, Luccichenti G, Bergamaschi R, Bastianello S.

What insights have new imaging techniques given into aggressive forms of MS--different forms of MS or different from MS?

Mult Scler. 2009 Mar;15(3):285-93. Epub 2008 Nov 27. Review. PubMed PMID: 19039023.

Goldmakher GV, Camargo EC, Furie KL, Singhal AB, **Roccatagliata L**, Halpern EF, Chou MJ, Biagini T, Smith WS, Harris GJ, Dillon WP, Gonzalez RG, Koroshetz WJ, Lev MH.

Hyperdense basilar artery sign on unenhanced CT predicts thrombus and outcome in acute posterior circulation stroke.

Stroke. 2009 Jan;40(1):134-9. Epub 2008 Nov 26. PubMed PMID: 19038918.

Nogueira RG, Lev MH, **Roccatagliata L**, Hirsch JA, Gonzalez RG, Ogilvy CS, Halpern EF, Rordorf GA, Rabinov JD, Pryor JC.

Intra-arterial nicardipine infusion improves CT perfusion-measured cerebral blood flow in patients with subarachnoid hemorrhage-induced vasospasm.

AJNR Am J Neuroradiol. 2009 Jan;30(1):160-4. Epub 2008 Oct 22. PubMed PMID: 18945790.

Bonzano L, Pardini M, Mancardi GL, Pizzorno M, **Roccatagliata L**.
Structural connectivity influences brain activation during PVSAT in Multiple Sclerosis.
Neuroimage. 2009 Jan 1;44(1):9-15. Epub 2008 Aug 26. PubMed PMID: 18790063.

Roccatagliata L, Bonzano L, Mancardi G, Canepa C, Caponnetto C.
Detection of motor cortex thinning and corticospinal tract involvement by quantitative MRI in amyotrophic lateral sclerosis.
Amyotroph Lateral Scler. 2009 Feb;10(1):47-52. PubMed PMID: 18622772.

Rosenthal ES, Schwamm LH, **Roccatagliata L**, Coutts SB, Demchuk AM, Schaefer PW, Gonzalez RG, Hill MD, Halpern EF, Lev MH.
Role of recanalization in acute stroke outcome: rationale for a CT angiogram-based "benefit of recanalization" model.
AJNR Am J Neuroradiol. 2008 Sep;29(8):1471-5. Epub 2008 Jul 3. PubMed PMID: 18599577.

Bonzano L, **Roccatagliata L**, Levrero F, Mancardi GL, Sardanelli F.
In vitro investigation of poor cerebrospinal fluid suppression on fluid-attenuated inversion recovery images in the presence of a gadolinium-based contrast agent.
Magn Reson Med. 2008 Jul;60(1):220-3. PubMed PMID: 18581384.

Sardanelli F, Di Leo G, Aliprandi A, Flor N, Papini GD, **Roccatagliata L**, Cotticelli B, Nano G, Cornalba G.
Evaluation of carotid vessel wall enhancement with image subtraction after gadobenate dimeglumine-enhanced MR angiography.
Eur J Radiol. 2009 Jun;70(3):589-94. Epub 2008 Apr 18. PubMed PMID: 18395388.

Bonzano L, Tacchino A, **Roccatagliata L**, Abbruzzese G, Mancardi GL, Bove M.
Callosal contributions to simultaneous bimanual finger movements.
J Neurosci. 2008 Mar 19;28(12):3227-33. PubMed PMID: 18354026.

Del Sette M, Dinia L, Bonzano L, **Roccatagliata L**, Finocchi C, Parodi RC, Sivori G, Gandolfo C.
White matter lesions in migraine and right-to-left shunt: a conventional and diffusion MRI study.
Cephalalgia. 2008 Apr;28(4):376-82. Epub 2008 Feb 22. PubMed PMID: 18294247.

Dinia L, **Roccatagliata L**, Bonzano L, Finocchi C, Del Sette M.
Diffusion MRI during migraine with aura attack associated with diagnostic microbubbles injection in subjects with large PFO.
Headache. 2007 Nov-Dec;47(10):1455-6. PubMed PMID: 18052957.

Benedetti L, Franciotta D, Vigo T, Grandis M, Fiorina E, Ghiglione E, **Roccatagliata L**, Mancardi GL, Uccelli A, Schenone A.

Relapses after treatment with rituximab in a patient with multiple sclerosis and anti myelin-associated glycoprotein polyneuropathy.
Arch Neurol. 2007 Oct;64(10):1531-3. PubMed PMID: 17923639.

Roccatagliata L, Centanaro F, Castellan L.

Venous congestive myelopathy in spinal dural arteriovenous fistula mimicking neoplasia.
Neurol Sci. 2007 Aug;28(4):212-5. Epub 2007 Aug 10. PubMed PMID: 17690855.

Camargo EC, Furie KL, Singhal AB, **Roccatagliata L**, Cunnane ME, Halpern EF, Harris GJ, Smith WS, Gonzalez RG, Koroshetz WJ, Lev MH.

Acute brain infarct: detection and delineation with CT angiographic source images versus nonenhanced CT scans.

Radiology. 2007 Aug;244(2):541-8. Epub 2007 Jun 20. PubMed PMID: 17581888.

Balleari E, Panarello S, Capello E, Grosso M, Passalia C, Pitto P, Raggi F, **Roccatagliata L**, Cabiddu F, Ghio R.

Granulocytic sarcoma: an unusual cause of spinal cord compression.

Int J Clin Oncol. 2007 Jun;12(3):234-7. Epub 2007 Jun 27. Review. PubMed PMID: 17566850.

Pardini M, Bonzano L, **Roccatagliata L**, Boccardo F, Mancardi G, Campisi C.

Functional magnetic resonance evidence of cortical alterations in a case of reversible congenital lymphedema of the lower limb: a pilot study.

Lymphology. 2007 Mar;40(1):19-25. PubMed PMID: 17539461.

Roccatagliata L, Rocca M, Valsasina P, Bonzano L, Sormani M, Saccardi R, Mancardi G, Filippi M; Italian GITMO-NEURO Intergroup on Autologous Stem Cell Transplantation.

The long-term effect of AHSCT on MRI measures of MS evolution: a five-year follow-up study.
Mult Scler. 2007 Sep;13(8):1068-70. Epub 2007 Apr 27. PubMed PMID: 17468445.

Solaro C, Bricchetto G, Casadio M, **Roccatagliata L**, Ruggiu P, Mancardi GL, Morasso PG, Tanganelli P, Sanguineti V.

Subtle upper limb impairment in asymptomatic multiple sclerosis subjects. Mult Scler. 2007 Apr;13(3):428-32. Epub 2007 Feb 9. PubMed PMID: 17439914.

Schaefer PW, **Roccatagliata L**, Ledezma C, Hoh B, Schwamm LH, Koroshetz W, Gonzalez RG, Lev MH.

First-pass quantitative CT perfusion identifies thresholds for salvageable penumbra in acute stroke patients treated with intra-arterial therapy.

AJNR Am J Neuroradiol. 2006 Jan;27(1):20-5. PubMed PMID: 16418350.

Singhal AB, Benner T, **Roccatagliata L**, Koroshetz WJ, Schaefer PW, Lo EH, Buonanno FS, Gonzalez RG, Sorensen AG.

A pilot study of normobaric oxygen therapy in acute ischemic stroke.

Stroke. 2005 Apr;36(4):797-802. Epub 2005 Mar 10. PubMed PMID: 15761201.

Coutts SB, Lev MH, Eliasziw M, **Roccatagliata L**, Hill MD, Schwamm LH, Pexman JH, Koroshetz WJ, Hudon ME, Buchan AM, Gonzalez RG, Demchuk AM.
ASPECTS on CTA source images versus unenhanced CT: added value in predicting final infarct extent and clinical outcome.
Stroke. 2004 Nov;35(11):2472-6. Epub 2004 Oct 14. PubMed PMID: 15486327.

Colucci M, **Roccatagliata L**, Capello E, Narciso E, Latronico N, Tabaton M, Mancardi GL.
The 14-3-3 protein in multiple sclerosis: a marker of disease severity.
Mult Scler. 2004 Oct;10(5):477-81. PubMed PMID: 15471360.

Morini M, **Roccatagliata L**, Dell'Eva R, Pedemonte E, Furlan R, Minghelli S, Giunti D, Pfeffer U, Marchese M, Noonan D, Mancardi G, Albin A, Uccelli A.
Alpha-lipoic acid is effective in prevention and treatment of experimental autoimmune encephalomyelitis.
J Neuroimmunol. 2004 Mar;148(1-2):146-53. PubMed PMID: 14975595.

Uccelli A, Giunti D, Capello E, **Roccatagliata L**, Mancardi GL.
EAE in the common marmoset *Callithrix jacchus*.
Int MS J. 2003 Apr;10(1):6-12. Review. PubMed PMID: 12906764.

Furlan R, Brambilla E, Sanvito F, **Roccatagliata L**, Olivieri S, Bergami A, Pluchino S, Uccelli A, Comi G, Martino G.
Vaccination with amyloid-beta peptide induces autoimmune encephalomyelitis in C57/BL6 mice.
Brain. 2003 Feb;126(Pt 2):285-91. PubMed PMID: 12538398.

Roccatagliata L, Audenino D, Primavera A, Cocito L.
Nonconvulsive status epilepticus from accidental lithium ingestion.
Am J Emerg Med. 2002 Oct;20(6):570-2. PubMed PMID: 12369038.

Biancheri R, Verbeek E, Rossi A, Gaggero R, **Roccatagliata L**, Gatti R, van Diggelen O, Verheijen FW, Mancini GM.
An Italian severe Salla disease variant associated with a SLC17A5 mutation earlier described in infantile sialic acid storage disease.
Clin Genet. 2002 Jun;61(6):443-7. PubMed PMID: 12121352.

Capello E, **Roccatagliata L**, Pagano F, Mancardi GL.
Tumor-like multiple sclerosis (MS) lesions: neuropathological clues.
Neurol Sci. 2001 Nov;22 Suppl 2:S113-6. PubMed PMID: 11794473.

Primavera A, **Roccatagliata L**.
Epilepsy.
N Engl J Med. 2001 Aug 9;345(6):467-8; author reply 468-9. PubMed PMID: 11496867.

Mancardi G, Hart B, **Roccatagliata L**, Brok H, Giunti D, Bontrop R, Massacesi L, Capello E, Uccelli A.
Demyelination and axonal damage in a non-human primate model of multiple sclerosis.
J Neurol Sci. 2001 Feb 15;184(1):41-9. PubMed PMID: 11231031.

Roccatagliata L, Uccelli A, Murialdo A.

Guillain-Barre syndrome after reactivation of varicella-zoster virus.

N Engl J Med. 2001 Jan 4;344(1):65-6. PubMed PMID: 11187118.

Brok HP, Uccelli A, Kerlero De Rosbo N, Bontrop RE, **Roccatagliata L**, de Groot NG, Capello E, Laman JD, Nicolay K, Mancardi GL, Ben-Nun A, Hart BA.

Myelin/oligodendrocyte glycoprotein-induced autoimmune encephalomyelitis in common marmosets: the encephalitogenic T cell epitope pMOG24-36 is presented by a monomorphic MHC class II molecule.

J Immunol. 2000 Jul 15;165(2):1093-101. PubMed PMID: 10878388.

Mancardi G, Hart BA, Capello E, Brok HP, Ben-Nun A, **Roccatagliata L**, Giunti D, Gazzola P, Dono M, Kerlero de Rosbo N, Colombo M, Uccelli A.

Restricted immune responses lead to CNS demyelination and axonal damage.

J Neuroimmunol. 2000 Jul 24;107(2):178-83. Review. PubMed PMID: 10854654.

Capello E, **Roccatagliata L**, Schenone A, Gazzola P, Inglese M, Abbruzzese M, Mancardi GL.

Acute axonal form of Guillain-Barre syndrome in a multiple sclerosis patient: chance association or linked disorders?

Eur J Neurol. 2000 Mar;7(2):223-5. PubMed PMID: 10809946.

Gazzola P, Cocito L, Capello E, **Roccatagliata L**, Canepa M, Mancardi GL.

Subacute measles encephalitis in a young man immunosuppressed for ankylosing spondylitis.

Neurology. 1999 Mar 23;52(5):1074-7. PubMed PMID: 10102434

Other articles (not pub-med indexed)

Roccatagliata L, Taveira-Lopes L, Rossignol MD, Biondi A.

Cortical Blindness and Retrograde Amnesia Following Cerebral Angiography Studied by Early Diffusion Weighted MR imaging. A Case Report

The neuroradiology journal 2009 oct 22; 600-605

Chapters of books:

Uccelli A, Mancardi G, Giunti D, Brok H, **Roccatagliata L**, Capello E, Hart B

Experimental autoimmune encephalomyelitis in the common marmoset *Callitrix jacchus* in: Advances in the immunopathogenesis of Multiple Sclerosis D. Gambi P.A. Muraro, A.

Lugaresi editors; Springer Verlag, Milan 1999

Schaefer P, **Roccatagliata L**, Gonzalez RG

Magnetic resonance diffusion tensor imaging in stroke

In: Clinical MR Neuroimaging Diffusion, Perfusion and Spectroscopy

Edited by Jonathan Gillard, Adam Waldman, Peter Barker

Cambridge University Press 2005 (First edition)

Schaefer PW, **Roccatagliata L**, Gonzalez RG

Stroke and cerebral ischemia.

In: Clinical magnetic resonance imaging. Edited by Edelman RR, Hesselink JR, Zlatkin MB
Elsevier 2005

Schaefer P, Steve H. Fung, **Roccatagliata L**, Gonzalez RG

Magnetic resonance diffusion tensor imaging in stroke

Clinical MR Neuroimaging Diffusion, Perfusion and Spectroscopy

Edited by Jonathan Gillard, Adam Waldman, Peter Barker

Cambridge University Press 2010 (Second edition)