

Marco Pagani
Curriculum Vitae et Studiorum

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Institute of Cognitive Sciences and Technologies
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Biographic notes:

Born in Turin, Italy, on July the 21st 1958.
Place of residence: 195 Via Salaria, 00198, Rome, Italy. Tel : +393381043043.
Separated and father of five children.

Studies:

Ph.D. Thesis at the Karolinska Institute of Stockholm, Sweden, entitled: “*Advances in Brain SPECT. Methodological and Human Investigations*”. November **2000**.
Specialization in Emergency Surgery: University of Rome "La Sapienza", Italy, with the thesis: "*Acute traumatic pathology of arterial epiaortic trunks*". Mark: **110/110 cum laude. 1991**
Degree in Medicine and Surgery: University of Rome "La Sapienza", Italy, with the thesis: "*Emergencies in Crohn's disease*". Mark **110/110 cum laude. 1985**
Scientific High School Diploma: Liceo L.Pasteur, Rome, Italy mark **54/60. 1977**

International Awards:

Winner of the **Francine Shapiro Award 2011** for the best 2010 scientific contribution in EMDR field for the paper: “**Grey matter changes in posterior cingulate and limbic cortex in PTSD are associated with trauma load and EMDR outcome**”. *Nardo D, Högberg G, D, Looi J, Larsson SA, Hällström T, Pagani M.* J Psychiatr Res 2010; 44:477-485

Winner of the **Karolina Award 2000** for the best research contribution of the year at the Karolinska Hospital of Stockholm, Sweden for the paper: “**A novel phantom design for emission tomography enabling scatter- and attenuation-free single photon emission tomography imaging**”. *Larsson SA, Jonsson C, Pagani M, Johansson L and Jacobsson H.* Eur J Nucl Med 2000; 27: 131-139

Appointments:

2002-now: Senior Researcher at the Institute of Cognitive Sciences and Technologies, CNR, Rome, Italy
2006-2007: Four-months secondment at the European Science Foundation in Strasbourg, France, to produce methodological guidelines for ESF Forward Looks.
2005-2006: Scientific Assistant Officer and Project Manager supporting the Department of Life Science of CNR, Rome, Italy
2001-2002: Researcher at the Institute of Neurobiology and Molecular Medicine, CNR, Rome Italy
1991-2001: Researcher at the Institute of Experimental Medicine, CNR, Rome, Italy
1987-1991: Free Professional and grants from CNR, Italy
1985-1987: Medical Officer at "Primo Battaglione Bersaglieri La Marmorata" of the Italian Army, Italy
1981-1987: Resident and Specializing Fellow at the Institute of Emergency Surgery, University of Rome "La Sapienza", Rome, Italy

European Project

Medical Coordinator for IMS-CNR for the telemedicine project: ARGONAUTA. **1997-2001**

Memberships:

2013-now: Chair of the European Neuroimaging Committee of the EANM
2009-2012: Vice-Chair of the European Neuroimaging Committee of the EANM
1996-now: Full Member of the European Society of Nuclear Medicine
1993-1999 Full Member of the Society of Nuclear Medicine

Knowledge of languages:

Italian (mother tongue)
English: (fluent)
Spanish: (fluent)
Swedish : (conversational)
French: (conversational)
Japanese: (basic)

Courses attended:

Cognitive Neuroscience I. Perception, attention, memory and language. Dept of Clinical Neuroscience, Dept of Psychology, Karolinska Institute/ Stockholm University. Stockholm, Sweden, 3rd-14th April **2000**

Alzheimer's Disease – clinical features and pathogenic mechanisms. Div. of Geriatric Medicine, NEUROTEC, Karolinska Institutet, Huddinge University Hospital, Stockholm, Sweden, 15th -19th November, **1999**

Nuclear Medicine- Physics and Techniques. Lund University, Swedish Association for Nuclear Medicine and Swedish Association of Radiophysics. Lund, Sweden, 4th -8th October **1999**

SPECT-CBF. Practical and Scientific Course I. Department of Clinical Neuroscience, Division of Clinical Neurophysiology, Lund University. Lund, Sweden, 24th -25th January **1998**

Educational Responsibilities:

Co-supervisor of the Ph.D. student **Irina Manouilenko** writing the thesis: *Autism Spectrum Disorders in adults – Biological Dimensions*. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden, **2013**

Co-Supervisor of the Ph.D. student. **Göran Högberg** completing his studies in 2008 with: *Högberg G. Results of Eye Movement Desensitization Reprocessing Treatment and Neurobiology in Post-traumatic Stress Disorder*. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden, **2008**

Co-Supervisor of the Ph.D. student **Ann Gardner** completing her studies in 2004 with: *Gardner A. Mitochondrial dysfunction and alterations of brain HMPAO SPECT in depressive disorder – Perspectives on origins of “somatisation”*. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden, **2004**

Associate Editor

Journal of Psychology and Psychotherapy Research

Member of Editorial Board:

European Journal of Nuclear Medicine and Molecular Imaging
The Open Nuclear Medicine Journal
Frontiers in Medicine,

Guest Editor

Special Issue of the Quarterly Journal of Nuclear Medicine and Molecular Imaging on:
PET in Neurodegenerative Disorders, Issue 58 December **2014**

Peer Reviewer for:

Journal of Cerebral Blood Flow and Metabolism, Neurological Science, Journal of Affective Disorders, European Journal of Nuclear Medicine and Molecular Imaging, European Journal of Nuclear Medicine and Molecular Imaging Research, Current Alzheimer Research, Biological Psychiatry, Experimental Physiology, Journal of Nuclear Medicine, Neurobiology of Aging, Journal of Neurochemistry, Journal of Psychiatric Neuroscience, European Journal of Medical Physics, Psychological Medicine, Psychiatry Research Neuroimaging, Neuroimage, Quarterly Journal of Nuclear Medicine, Journal of Applied Physiology, European Archives of Psychiatry and Clinical Neuroscience, Journal of Neurology, Brain Topography, Journal of Alzheimer's Disease, Brain Structure and Function

Organisation of International Conferences

Chair of the Scientific and Local Organizing Committee of the 4th European Conference of Clinical Neuroimaging, Rome, Italy 23rd-24th March **2015**

Chair of the Scientific and Local Organizing Committee of the 5th European Conference of Clinical Neuroimaging, Rome, Italy 14th-15th March **2016**

International Scientific Collaborations:

Continuous research collaboration with the Department of Nuclear Medicine and Hospital Physics, Karolinska Hospital, Stockholm, Sweden. **Dec 1995 – now**

Visiting Researcher

Japan in the frame of the agreement between CNR and JSPS at the Biological Imaging Research Center of the Fukui University. **Nov - Dec 2000** and subsequently **Nov 2002 - Jan 2003**

Nepal in the frame of the agreement between CNR and RONAST in the Mount Everest and Kangchenjunga areas for studies on human physiopathology in altitude. **Sept - Oct 1994** and **Aug - Oct 1995**

United States at the Center for Metabolic and Experimental Imaging, Department of Nuclear Medicine, University of Texas, MD Anderson Cancer Centre, Houston, Texas, USA. **Mar - Apr 1993**

Japan at the Department of Nuclear Medicine, Kyoto University, Faculty of Medicine, Kyoto, Japan. **Sept 1992 - Jan 1993** and subsequently **Nov 1993 - Aug 1994**

Venezuela at the Departamento de Medicina Nuclear, Universidad de los Andes, Merida, Venezuela. **Nov - Dec 1991**

Sweden at the Division of Vascular Surgery, Department of Surgery, Karolinska Hospital, Stockholm, Sweden. **May 1989 - Jan 1990** and subsequently **Sept 1990 - Feb 1991**

England at the Department of Surgery, St.Thomas' Hospital, London, UK. **Oct 1987 - Oct 1988**

Scientific interests:

Methodology of Positron Emission Tomography (PET) and Single Photon Emission Computed Tomography (SPECT) and development of related radiopharmaceuticals

Neurobiological correlates of psychiatric disorders and neurodegenerative diseases and their detection by functional and structural neuroimaging

Optimisation of neurodegenerative and psychiatric disease diagnosis by advanced mathematical and statistical methods

Neurophysiology and neurobiology of psychotherapies by SPECT, MRI and EEG

Teaching at CME, Workshops, Courses

EMDR - Anatomo-fisiopatologia dell'efficacia clinica. **Workshop**. Review Days EMDR Italia. Rome, Italy, 14th November **2014**

Neurobiological aspects of somatization and trauma. **Workshop**. Konsultationspsykiatri och psykosomatik. Stockholm, Sweden, 15th October **2015**

EMDR dalla neurofisiologia alla pratica clinica. **CME**. I percorsi di cura del trauma: l'EMDR. Lecce, Italy, 30th September **2015**

EMDR physopathological concepts: state-of-the art and future perspectives. **CME**. Swiss EMDR Association Annual meeting. Bern, Switzerland, 17th September **2015**

EMDR: dalla neurobiologia all'efficacia clinica. **CME**. Trauma e Neuroscienze. Locarno, Switzerland; 21st June **2015**

Implicazioni neurobiologiche del trauma e dell'EMDR. **CME**. Prospettive cliniche e neurobiologiche nel trattamento dell'abuso e della trascuratezza. Rome, Italy, 22nd May **2015**

L'impatto del trattamento con EMDR sulla neurobiologia del PTSD. **CME**. Il trauma e il suo ruolo nella psicopatologia. Interventi terapeutici. Verona, Italy, 2nd March **2015**

Neurobiologia del trattamento psicoterapico del trauma: stato dell'arte e prospettive future. **Workshop**. Giornate sul trauma 2014: modelli clinici a confronto. Bari, Italy 15th November **2014**.

EMDR - Anatomo-fisiopatologia dell'efficacia clinica. **Workshop**. Review Days EMDR Italia. Milan, Italy, 8th – 9th November **2014**

Quadri FDG-PET nella Sclerosi Laterale Amiotrofica. **CME**. Corso Avanzato di Medicina Nucleare in Neurologia. Pesaro, Italy, 25th-27th September **2014**

La risposta neuroendocrina allo stress post-traumatico e l'efficacia dell'EMDR nel PTSD: considerazioni neurofisiologiche e cliniche. **Workshop**. Memorie traumatiche e psicopatologie trauma correlate - Nuovi orizzonti e prospettive di cura.. Matera, Italy 29th April **2014**

PTSD psychotherapies. Functional and structural neuroimaging and EEG monitoring. **Workshop CME**. XIII Congress of the European Society for Traumatic Stress Studies, Bologna, Italy, June 6th-9th, **2013**

Dementia 1&2. **Course CME**. EANM Neuroimaging Course, Wien, Austria 20th-21st April **2013**

Basi neurobiologiche dei disturbi psichici e correlati clinici. **CME**. Stigma, urgenze e immagini delle malattie mentali. AOU San Luigi Gonzaga, Orbassano, Italy. January 30th **2013**

Neurobiologia dell'EMDR. **CME**. EMDR, un nuovo approccio di intervento sul trauma nei disastri collettivi. AOU San Luigi Gonzaga, Orbassano, Italy. January 31st **2013**

Cerebrovascular Disease. **Course CME**. EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Movement Disorder. **Course CME.** EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Dementia 1&2. **Course CME.** EANM Neuroimaging Course, Wien, Austria 12th-13th May **2012**

Basi neurobiologiche del PTSD e dell'EMDR, metodologia, rivisitazione critica della letteratura e ricerche in atto. **Workshop CME.** NAVEN, Udine, Italy, November 19th **2011**

Neuroimaging and novel neurobiological findings in EMDR research. **Workshop CME.** 12th EMDR European Conference, Wien, Austria, June 3rd to 5th **2011.** Abs Book: 16-17.

Neurobiologia e nuovi concetti fisiopatologici dell'EMDR. **CME.** La psicotraumatologia oncologica. IRE-ISG Regina Elena San Gallicano, Rome, Italy November 22nd **2010**

Neuroimmagini ed effetti neurobiologici della psicoterapia del trauma. **CME PTSD modelli di trattamento Percorsi Internazionali di Studio in Psichiatria: Psicoterapia, Psicofarmacoterapia, Trattamenti integrati.** Rome, Italy, November 18th-20th **2010**

Emerging psychiatric disorders: neurobiology and differential diagnoses. **CME.** "Neuroimaging: Nuclear Medicine in: Psychiatry: Looking for Higher Diagnostic Accuracy - an Emphasis on Mood Disorders". (European Association of Nuclear Medicine Congress; October 9th-13th, **2010**, Wien, Austria. **Eur J Nuc Med Mol Imaging 2010**; 37: S2 288)

Trauma e psicoterapia, aspetti anatomici e neurobiologici. **CME.** Percorsi Internazionali di Studio in Psichiatria: Psicoterapia, Psicofarmacoterapia, Trattamenti integrati. Rome, Italy, 10th -11th December **2009**

Neurobiologia del trauma – Aspetti anatomici e funzionali. **CME.** La Depressione e il Trauma. Osp. S. Luigi Gonzaga, Orbassano, Italy, 11th November **2009**

Immagini funzionali e neurobiologia delle malattie psichiatriche. **CME.** XLV Congresso Nazionale Società Italiana di Psichiatria, Rome, Italy, 11th -15th October **2009.** Abs Book: pp. 28

Impiego delle metodiche medico-nucleari: i disordini psichiatrici emergenti. **CME.** "La Medicina Nucleare in Neurologia e Psichiatria", AIMN, Pesaro 24th -26th September **2009**

Impiego delle metodiche medico-nucleari: schizofrenia e depressione. **CME.** "La Medicina Nucleare in Neurologia e Psichiatria", AIMN, Pesaro 24th-26th September **2009**

Ottimizzazione delle metodologie di imaging funzionale per una migliore diagnosi delle malattie neurodegenerative. **CME.** "Parkinson e Demenza, dalla diagnosi alla presa in carico", Fondazione Don Gnocchi, Rome 19th-20th November **2005**

Telemedicine: from extreme conditions to daily life. Course of Telemedicine in the context of the organisational and technological transformation of health; Bertinoro, Italy, 20th April **1998**

Cardiovascular monitoring in extreme conditions. International Advanced **Course** in "Cardiovascular Physiology and Pathophysiology applied to Physical Exercise and Sport", Rome, 27th November-12th December **1995**

Keynotes and Plenary Lectures

Impact neurobiologique de l'EMDR évalué par la neuroimagerie fonctionnelle. Colloque européen: Neurosciences et Psychothérapies. Bordeaux, France, 20th November **2015**.

Liens neurobiologiques entre dissociation et EMDR. Congrès EMDR et Dissociation – Modèles et prises en charge. Metz, France, 17th November **2015**

Role of PET in the diagnosis and differential diagnosis of Movement Disorders. 38th European Society of Neuroradiology Annual Meeting. Naples, Italy, 19th September **2015**.

Imaging EMDR related neurobiological changes. 2015 EMDRIA Conference; Philadelphia, USA, 29th August **2015**

Diagnostic accuracy of FDG-PET in neurodegenerative disorders. The 13th Congress of the Romanian Society of Neurology. Bucharest, Romania, 8th May **2015**

Is amyloid imaging really helpful in diagnosing, characterizing and disease modifying treatment approaches in dementias? The 9th World Congress of Controversies in Neurology. Budapest, Hungary, 28th March **2015**

SLA FDG-PET as a biomarker. X National Meeting of the Italian Society of Neurology for Dementias. Genoa, Italy, 27th March **2015**

Psychotherapies and Trauma: Past, Present and Future. Conference of European Association for Psychotherapy, Vilnius, Lithuania, 16th October **2014**

Cortical activation changes in PTSD treatment - EEG monitoring during EMDR. 55th Annual Meeting of the Japanese Society for Child and Adolescent Psychiatry. Shizuoka, Japan, 13th October **2014**

Neurodegeneration: recent advancements in neuroimaging. Hamamatsu Medical Imaging Center, Hamamatsu, Japan, 9th October **2014**

Impatto neurobiologico dell'EMDR nella patologia oncologica. Innovare in Psico-oncologia. Porto San Giorgio, Italy, 27th September **2014**

Neurobiology of EMDR – Past, Present and Future. 15th European EMDR Conference, Edinburgh, UK, June 28th **2014**

Violenza sessuale e aggressività- Neurobiologia e possibili interventi psicoterapici. Centro Spazio Sicuro, Child Neuropsychiatry, University of Rome, La Sapienza, Italy, May 23rd **2014**

Imaging Neurodegenerative disorders: state-of-the-art and future perspectives. 3rd Balkan and Romanian Congress of Nuclear Medicine. Present and Future in Nuclear Medicine. Bucharest, Romania, April 23rd-26th **2014**

Brain imaging: new standards. 26th Turkish Congress of Nuclear Medicine. Antalya, Turkey, 16th -20th April **2014**.

Molecular imaging in dementia. 26th Turkish Congress of Nuclear Medicine. Antalya, Turkey, 16th -20th April **2014**.

Functional neuroimaging and EEG monitoring in EMDR treatment. Different perspectives on mental illness. 4th Young Psychiatrists' Network Meeting. . Wroclaw, Poland, 3rd-5th April **2014**

Structural alterations associated with dissociative traits in PTSD. Different perspectives on mental illness. 4th Young Psychiatrists' Network Meeting. . Wroclaw, Poland, 3rd-5th April **2014**

Neurobiology of Neurodegenerative Disease: state-of-the-art of functional patterns and diagnostic accuracy. International workshop on molecular functional imaging for brain and gynecologic oncology. Fukui, Japan March 3rd-4th **2014**. Abs Book: 5.

Neurofisiopatologia della violenza sessuale e non - Possibili interventi psicoterapici. Congresso Nazionale EMDR. Milano, Italy 10th November **2013**

Neurobiology of PTSD and related psychotherapies. Seminar on Earthquake & Post-Traumatic Stress Disorder. Chinese Academy of Sciences Beijing, China, 9th September **2013**

Neurobiological correlates of PTSD and related psychotherapeutic treatment. XIII Congress of the European Society for Traumatic Stress Studies, Bologna, Italy, June 6th-9th, **2013**

Imaging of hypoxia in neurology. 2nd Molecular Imaging and Biology in Oncology Meeting. Nice, France, January 27th-28th **2012**

Functional changes and EEG monitoring during EMDR therapy. 12th EMDR European Conference, Wien, Austria, June 3rd to 5th **2011**. Abs Book: 28-29

Effetti Neurobiologici della psicoterapia del trauma. In: L'EMDR: un approccio psicoterapico a ponte tra psiche e neurobiologia. XII Congresso Nazionale della Sezione di Psicologia Clinica e Dinamica. Torino 24th – 26th September **2010**. Congress Acta p. 165.

PET and Neuroscience Pre-conference Neuroimaging Course; 3rd Conference on Restauracion Neurologica, Habana, Cuba, 9th -13th March **2009**

Neurobiological substrate of psychiatric disorders investigated by multivariate analyses. 3rd Conference on Restauracion Neurologica, Habana, Cuba, 9th -13th March **2009**

Substrato neurobiologico della Sindrome da Stress Post-Traumatico e relativo impatto strutturale e funzionale della terapia con EMDR. Congresso Nazionale EMDR Italia, Milano, Italy, 7th - 9th November **2008**. Abs Book:page 13

Ottimizzazione delle metodologie di imaging funzionale per una migliore diagnosi delle malattie neurodegenerative. Parkinson e Demenza: dalla diagnosi alla presa in carico. Roma, Italy, 19th -20th November **2005**

Argonauta Telemedicine Courses. 1st International Workshop for ODL Materials Production and Delivery. Valencia, Spain, 19th -21th July **2000**

How can you get a doctor on Mount Everest? Science Festival 2000, Göteborg, Sweden, 5th - 14th May **2000**

Telemedical cardiology - from research to clinical applications. Norsk Telemed '97; Bergen, Norway, 3rd - 5th September **1997**

Cognitive functions and cerebral blood flow distribution under acute and chronic hypoxia. Conferenza Italo-Americana sull'Emergenza, Courmayeur, Italy, 2nd - 5th April **1997**

Telemedicine in extreme and normal conditions. Marconi Meeting Point Seminar, Buenos Aires, Argentina, 18th November **1996**

Alterations neuropsychologiques et circulatoires cérébrales suite à l'hypoxie aigue et chronique. Seminaire sur la physiologie et environnement extreme, Chambéry, France, 12th October **1996**

Telemedicine in extreme and normal conditions. International Technological Convention, Johannesburg, Southafrica, 12th July **1996**

Antartic and Everest italian experiences. Symposium on issues in Telemedicine and Distance Education, Perth, Australia, 17th April **1996**

Brain and Hypoxia. Italian-Australian Scientific Weeks 96, Adelaide, Australia, 1th - 16th April **1996**

Advanced Italian Technologies in Telemedicine. ExpoCom China 95, Canton, China, 2nd - 9th December **1995**

Telemedicine and Telecardiology in Antartide and Himalaya. Fiera della Montagna, Bolzano, Italy, 2nd - 6th June **1995**

Progetto strategico Ev-K2 CNR. Convegno Nazionale su "Teleassistenza e Telemedicina", Roma, Italy, 21st April **1995**

PEER REVIEWED PAPERS

1. **Pagani M, Öberg J, De Carli F, Calvo A, Moglia C, Canosa A, Nobili F, Morbelli S, Fania P, Cistaro A, Chiò A.** Metabolic connectivity in Amyotrophic Lateral Sclerosis as revealed by independent component analysis. **Accepted Human Brain Mapping 2016**
2. **Alessandrini M, Micarelli A, Chiaravalloti A, Bruno E, Danieli R, Pierantozzi, Genovesi G, Öberg J, Pagani M, Schillaci O.** Involvement of subcortical brain structures during olfactory stimulation in multiple chemical sensitività. **Brain Topography 2015**; doi: 10.1007/s10548-015-0453-3
3. **Canosa A, Pagani M, Cistaro A, Montuschi A, Iazzolino B, Fania P, Cammarosano S, Ilardi A, Moglia C, Calvo A, Chiò A.** ¹⁸F-FDG-PET correlates of cognitive impairment in ALS. **Neurology 2016**; 86:1-6
4. **Trentini C, Pagani M, Fania P, Speranza A.M, Nicolais G, Sibilica A, Inguscio L, Verardo AR, Ammaniti M.** Neural processing of emotions in traumatized children treated with EyeMovement Desensitization and Reprocessing therapy: A hEEG study. **Frontiers in Psychology – Psychology for Clinical Setting November 2015** | Volume 6 | Article 1662
5. **Pagani M, Di Lorenzo G, Monaco L, Daverio A, Giannoudas I, La Porta P, Verardo AR, Niolu C, Fernandez I and Siracusano A.** Neurobiological response to EMDR therapy in clients with different psychological traumas. **Frontiers in Psychology – Psychology for Clinical Settings October 2015** | Volume6 | Article1614
6. **Nardo D, Högberg G, Jonsson C, Jacobsson H, Hällström T, Pagani M.** Neurobiology of sleep disturbances in PTSD patients and traumatized controls: MRI and SPECT findings. **Frontiers in Psychiatry September 2015** | Volume 6 | Article 134
7. **Morbelli S, Garibotto V, Van De Giessen E, Arbizu J, Chételat G, Drezgza A, Hesse S, Lammertsma A, Law I, Pappata' S, Payoux P, Pagani M.** A Cochrane review on brain 18F-FDG PET in dementia: limitations and future perspectives. **European Journal of Nuclear Medicine and Molecular Imaging 2015**; 42:1487–1491
8. **Cistaro A, Caobelli F, Quartuccio N, Fania P, Pagani M.** Uncommon ¹⁸F-FDG-PET/CT findings in patients affected by limbic encephalitis: hyper-hypometabolic pattern with double antibody positivity and migrating foci of hypermetabolism. **Clinical Imaging 2015**;39:329-333
9. **Pagani M, Högberg G; Fernandez I; Siracusano A.** Correlatos de la terapia EMDR en la neuroimagen funcional y estructural: Un resumen crítico de los hallazgos recientes. **Journal of EMDR Practice and Research 2015**; 9: 58-68
10. **Chiaravalloti A, Pagani M, Micarelli A, Di Pietro B, Genovesi G, Alessandrini M, Schillaci O.** Cortical activity during olfactory stimulation in multiple chemical sensitivity: a ¹⁸F-FDG PET/CT study. **European Journal of Nuclear Medicine and Molecular Imaging 2015**; 42:733-740
11. **Morbelli S, Brugnolo A, Bossert I, Buschiazzo A, Frisoni GB, Galluzzi S, Van Berckel BN, Ossenkoppele R, Pernecky R, Drzezga A, Didic M, Guedj E, Sambuceti G, Bottoni G, Arnaldi D, Picco A, De Carli F, Pagani M, Nobili F.** Visual versus semi-quantitative analysis of ¹⁸F-FDG-PET in amnesic MCI. An European Alzheimer's Disease Consortium (EADC) project. **Journal of Alzheimer's Disease 2015**; 44: 815–826

12. Chiaravalloti A, **Pagani M**, Cantonetti M, Di Pietro B, Tavolozza M, Travascio I, Di Biagio D, Danieli D and Schillaci O. Brain metabolic changes in patients with Hodgkin's lymphoma after diagnosis and during the disease course: a ¹⁸F FDG PET/CT study. **Oncology Letters** **2015**; 9:685-690
13. **Pagani M**, De Carli F, Morbelli S, Öberg J, Chincarini A, Frisoni GB, Caroli A, Perneczky R, Drzezga A, van Berckel BNM, Ossenkoppele R, Guedj E, Didic M, Brugnolo A, Picco A, Arnaldi D, Ferrara M, Buschiazzo A, Sambuceti G, Nobili F. Region of Interest-based [18F]Fluorodeoxyglucose PET identification of patients with MCI due to Alzheimer disease and healthy controls. An European Alzheimer Disease Consortium (EADC) study. **Neuroimage: Clinical** **2015**: 7:34-42
14. **Pagani M**, Sonni I, Capriotti G. Functional imaging in neurodegenerative disorders: past, present and future. **Quarterly Journal of Nuclear Medicine and Molecular Imaging** **2014**; 58:329-31
15. Quartuccio N, Van Weehaeghe D, Cistaro A, Jonsson C, Van Laere K, **Pagani M**. Positron emission tomography neuroimaging in amyotrophic lateral sclerosis: what is new? **Quarterly Journal of Nuclear Medicine and Molecular Imaging** **2014**; 58:344-54
16. Chiò A, **Pagani M**, Agosta F, Calvo A, Cistaro A, Filippi M. Neuroimaging in Amyotrophic Lateral Sclerosis: insight into structural and functional changes. **Lancet Neurology** **2014**; 13: 1228-1240
17. Alessandrini M, Micarelli A, Chiaravalloti A, Candidi M, Bruno E, Di Pietro B, Öberg J, Schillaci O, **Pagani M**. Cerebellar metabolic involvement and its correlations with clinical parameters in vestibular neuritis. **Journal of Neurology** **2014**; 261:1976-1985
18. Micarelli A, **Pagani M**, Chiaravalloti A, Bruno E, Pavone I, Candidi M, Danieli R, Schillaci O, Alessandrini M. Cortical metabolic arrangement during olfactory processing: proposal for a ¹⁸F-FDG PET/CT methodological approach. **Medicine** **2014**; Oct;93(19):e103.
19. **Pagani M**, Chiò A, Valentini MC, Öberg J, Nobili F, Calvo A, Moglia C, Bertuzzo D, Morbelli S, De Carli F, Fania PC, Cistaro A. Functional pattern of Brain FDG-PET in Amyotrophic Lateral Sclerosis. **Neurology** **2014**; 83:1067-1074
20. Hesse S, van de Giessen E, Zientek F, Petroff D, Winter K, Dickson JC, Tossici-Bolt L, Sera T, Asenbaum S, Darcourt J, Akdemir UO, Knudsen GM, Nobili F, **Pagani M**, Vanderborght T, Van Laere K, Varrone A, Tatsch K, Sabri O, Booij I. Association of central serotonin transporter availability and body mass index in healthy Europeans. **European Neuropsychopharmacology** **2014**; 24: 1240-1247
21. Koch W, Unterrainer M, Jansen N, Mille E, Bartenstein P, Diemling M, Varrone A, Dickson JC, Tossici-Bolt L, Sera T, Asenbaum S, Booij J, Kapucu OL, Kluge A, Knudsen GM, Darcourt J, Nobili F, **Pagani M**, Sabri O, Vander Borght T, Van Laere K, Tatsch K, La Fougère C. Extrastriatal binding of [123I]FP-CIT in thalamus and pons: gender and age dependencies assessed in a European multicentre database of healthy controls. **European Journal of Nuclear Medicine and Molecular Imaging** **2014**; 41: 1938-1946.
22. Gardner A, Åstrand D, Öberg J, Jacobsson H, Jonsson C, Larsson SA, **Pagani M**. Towards mapping the brain connectome in depression: functional connectivity by perfusion SPECT. **Psychiatry Research-Neuroimaging** **2014**; 223: 171-177

23. *Alessandrini M, Micarelli A, Chiaravalloti A, Candidi M, Bruno E, Di Pietro B, Schillaci O, Pagani M.* Cortico-subcortical metabolic correlates of olfactory processing in healthy resting subjects. **Scientific Report 2014**; 4:5146. doi:10.1038/srep05146
24. *Cistaro A, Cuccurullo V, Quartuccio N, Pagani M, Valentini MC, Mansi L.* Role of PET and SPECT in the study of Amyotrophic Lateral Sclerosis. **BioMed Research International 2014**; ID:237437. doi:10.1155/2014/237437
25. *Cistaro A, Pagani M, Montuschi A, Calvo A, Moglia C, Canosa A, Restagno G, Traynor BJ, Nobili F, Carrara G, Fania PC, Lopiano L, Valentini MC, Chiò A.* The metabolic signature of C9ORF72-related ALS, compared to non-mutated patients: a FDG PET study. **European Journal of Nuclear Medicine and Molecular Imaging 2014**; 41: 844-852
26. *Capezzani L, Ostacoli L, Cavallo M, Carletto S, Fernandez I, Solomon R, Pagani M, Cantelmi T.* EMDR and CBT for Cancer Patients: Comparative Study of Effects on PTSD, Anxiety, and Depression. **Journal of EMDR Practice and Research 2013**; 7: 134-143
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