

Marco Pagani
Curriculum Vitae et Studiorum

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Biographic notes:

Born in Turin, Italy, on July the 21st 1958.
Place of residence: 104 Via di Santa Costanza 11, 00198, Rome, Italy. Tel: +393381043043.
Separated and father of five children.

Education:

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*”: 110/110 cum laude. November 1990
Degree in Medicine and Surgery: University of Rome "La Sapienza", Italy, with the thesis: “*Emergencies in Crohn's disease*”: 110/110 cum laude. April 1985
Scientific High School Diploma: Liceo L.Pasteur, Rome, Italy: 54/60. July 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

Abilitation to the Medical Practice

October 1997: Sweden
November 1988: United Kingdom
October 1985: Italy

Work experience and responsibilities

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 Looking.
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 Marmora" 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 Commission Projects

2016-2019: H2020-EU.3.1. - SOCIETAL CHALLENGES - PHC-28-2015. Member of the Advisory Board for NEurobehavioural predictiVE and peRsonalised Modelling of depressIve symptoms duriNg primary somatic Diseases with ICT-enabled self-management procedures (**NEVERMIND**).

2016-2021: H2020-JTI-IMI2-2015 IMI-EFPIA. Member of the Advisory Board for Amyloid imaging to Prevent Alzheimer's Disease (**AMYPAD**)

1997-2001: European Commission. Medical Coordinator for IMS-CNR for Austral On-line Network for Medical Auditing and Teleassistance (**ARGONAUTA**)

European Projects

2008-2013: Investigator - European Normal Controls database of [123I]FP-CIT (DATscan) SPET scans of (**ENC-DAT**): **2005-2013 – EANM (European Association of Nuclear Medicine) initiative**

2016-2018: Section Chair of ResEARch for Life (**EARL**) - **EANM Initiative**

Memberships and Commitments:

2017-now Database Section Chair of the EARL (ResEARch 4Life) of the EANM

2016-2017 Senior Member of the Neuroimaging Committee of EANM

2013-2015: Chair of the 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 : (fluent)

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:

2016-2020: Adjunct professor of "Neurobiological Correlates of stress", Bachelor degree in Psychology, International Telematic University Uninettuno, Rome (Italy)

2009-2013 Co-supervisor of the Ph.D. student **Irina Manouilenko**: Autism Spectrum Disorders in adults – Biological Dimensions. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden

2004-2008 Co-Supervisor of the Ph.D. student. **Göran Högberg**: Results of Eye Movement Desensitization Reprocessing Treatment and Neurobiology in Post-traumatic Stress Disorder. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden

2000-2004 Co-Supervisor of the Ph.D. student **Ann Gardner**: Mitochondrial dysfunction and alterations of brain HMPAO SPECT in depressive disorder – Perspectives on origins of “somatisation”. Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden,

Teachings

2019-2020 Correlati neuro-biologici dello stress” **Degree Course** in “Processi cognitivi e tecnologie – Indirizzo: Tecnologie di supporto clinico alla persona presso la Facoltà di Psicologia. Uninettuno, Rome, Italy

2018 Neurobiologia della Mindfulness II. **Level 1 Master Course**: Approfondimenti sulla Mindfulness: dalla neurobiologia alle applicazioni cliniche. Turin University, Italy 5th October

2018-2019 Aggiornamenti in Neuroscienze. **Level 2 Master Course** in Psiconeuroendocrino-immunologia e Scienza della Cura Integrata. Aquila University, L’Aquila, Italy 24th November

2018 Neuroimaging learning course. **Level 2 Master Course**. European School of Nuclear Medicine (ESMIT), Belgrade, Serbia, 7th – 9th September

2017-2018 Aggiornamenti in Neuroscienze. **Level 2 Master Course** in Psiconeuroendocrino-immunologia e Scienza della Cura Integrata. Aquila University, L’Aquila, Italy 15th December

2017 Neurobiologia della Mindfulness. **Level 1 Master Course**: Approfondimenti sulla Mindfulness: dalla neurobiologia alle applicazioni cliniche. Turin University, Italy 6th June

2016-2017 Impatto della psicoterapia sulla neurobiologia del trauma. Neuroimmagini funzionali e strutturali. **Level 2 Master Course** in Psico-Neuro-Endocrino-Immunologia, L’Aquila University, Italy, 15th April

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 European Conference on Clinical Neuroimaging topics. December **2017**

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

2017. Chair of the Scientific and Local Organizing Committee of the 6th European Conference of Clinical Neuroimaging, Rome, Italy March 27th-28th

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

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

(see <http://www.euroccn.com/>)

GRANTS AND FUNDINGS

Short Term Mobility (STM) and JSPS Exchange Programs CNR

June-July 2010: STM Creation of a normative database for 11C-butanol PET/CT studies in psychiatric patients. Karolinska Hospital, Stockholm, Sweden

June-July 2008: STM cerebral blood flow distribution of C-11 Butanol in patients with Asperger Syndrome. Karolinska Hospital, Stockholm, Sweden

November-December 2005: STM implementation of new statistical concepts in the managing of PET and SPECT neuroimaging and their impact on clinical diagnosis. Karolinska Hospital, Stockholm, Sweden

July 2003: STM Analysis of cerebral blood flow distribution by means of SPECT/PET and CBA/SPM in normal subjects and patients bearers of Alzheimer Disease and various psychiatric disorders. Karolinska Hospital, Stockholm, Sweden

June-July 2001: STM normal rCBF distribution in a large group of normal volunteers and on the effect of cortical atrophy on rCBF as detected by SPECT. Karolinska Hospital, Stockholm, Sweden

Nov-Dec 2000 and Nov 2002-Jan 2003: STM Assessment of non-protein thiols concentration and 99mTc-meso-HMPAO uptake at normoxic, hyperoxic and hypoxic ambient condition. Biological Imaging Research Center of the Fukui University, Japan

April 2000: STM Improvement of brain SPECT methodology and related software implementing a newly designed brain phantom. Karolinska Hospital, Stockholm, Sweden

February-March 1997: STM Improvement and automation of a software for the analysis and clinical management of brain images. Karolinska Hospital, Stockholm, Sweden

Sept 1992-Jan 1993 and Nov 1993-Aug 1994: JSPS PET studies in cerebral disorders, Kyoto University, Japan

Grants

| Topic | Funding Institution | Date | Amount |
|---|---|----------------|---------------------|
| Deconstruct and rebuild phenotypes: a multimodal approach toward personalized medicine in ALS (DECIPHER-ALS) | Ministry of Education, University and Research (MIUR) Italy | May 2019 | Euro 104.256 |
| Neurobiological features and response to EMDR treatment in breast cancer patients | EMDR-Research Foundation | May 2015 | USD 25.000 |
| Development of novel EEG analyses methods | EMDR Italy | April 2014 | Euro 5.000 |
| EMDR Investigation in cancer and long-lasting PT | EMDR Italy | March 2013 | Euro 10.000 |
| Comparison between EMDR and CBT in long-lasting PTSD | EMDR Europe | March 2012 | Euro 5.000 |
| Pre- intra- and post-treatment EEG imaging of EMDR – Therapy related changes in a cohort of patients and healthy controls | EMDR-Research Foundation | September 2011 | USD 10.000 |
| Multivariate analyses of PET scans data in neurodegenerative disorders – clinical applications | Stockholms Lans Landstinget ALF 2013 project 503116 | Jan-July 2013 | SEK 142.000 |

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|--|---|----------------------------------|-----------------------|
| Neurobiological substrate of Asperger Syndrom | Stockholms Lans Landstinget ALF 2012 Psychiatry-enhet | June 2012 | SEK 66.00 |
| Neurobiological substrate of Asperger Syndrome | Stockholms Lans Landsti ALF 2012 project 502116 | Jan-March 2012 and July-Dec 2012 | SEK 181.000 |
| Implementation of multivariate analysis in PET and SPECT neuroimaging | Stockholms Lans Landstinget ALF 20011 project 501116 | Jan 2011- Dec 2011 | SEK 190.000 |
| Creation of a control group of healthy individuals investigated by 11C-Butanol to be used as comparison group in psychiatric studies | Lerici Foundation | May 2010 | SEK 24.000 |
| New statistical concepts in PET and SPECT neuroimaging data and their impact on clinical diagnosis | Stockholms Lans Landstinget ALF 2008 project 562818 | Jun 2008-Jun 2009 | SEK 330.000 |
| Explore the neurobiological substrate of Asperger Syndrome by CBF distribution of 11C-Butanol as assessed by PET-CT | Lerici Foundation | May 2008 | SEK 18.000 |
| 11C-Butanol in Autism Spectrum Disorder | Pfizer KPE project 97734 | September 2007-April 2008 | SEK 172.000 |
| Analysis of CBF in normal subjects and patients with Alzheimer's Disease | Stockholms Lans Landstinget ALF 2006 project 557494 | March 2006-May 2007 | SEK 214.000 |
| Implementation of 11C-Butanol in psychiatric disorders | Astra Zeneca project 97736 | Oct 2004-Dec 2005 | SEK 113.000 |
| SPECT studies in PTSD | FoUU-Unit Psychiatry | Nov 2002- Oct 2004 | SEK 120.000 |
| Creation of a normative brain SPECT database | Stockholms Lans Landstinget Neuro Project | Jan 2001-Nov 2002 | SEK 110.000 |
| Cerebral blood flow during exposition to hyper- and hypobaric environment. | Swedish Research Council | Nov-Dec 1999 | SEK 126.000 |
| PET and SPECT Investigations in neurodegenerative disorders | Gustav V Jubileumsfonden | August-Oct 1996 | SEK 17.000 |
| Methodological issues in SPECT and PET | Swedish Medical Council | May 1995 – May 1996 | SEK 42.000 |
| Investigations in cerebral hemodynamics and intra-operative diagnosis | 4 Grants Consiglio di Presidenza CNR | May 1988 – Sept 1990 | LIT 71.000.000 |

Scientific Collaborations:

Research Affiliate:

2017-now. Department of Nuclear Medicine & Molecular Imaging, Medical Imaging Center, Universitair Medisch Centrum Groningen, The Netherlands

Continuous research collaboration:

1995 – now Department of Nuclear Medicine and Hospital Physics, Karolinska Hospital, Stockholm, Sweden.

2005- now Departments of Clinical Neurology and Nuclear Medicine, University of Genoa, IRCCS AOU San Martino-IST, Genoa, Italy.

Visiting Researcher:

Sept - Oct 1994 and Aug - Oct 1995 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.

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

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

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

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

Participation to the Exchange Program between CNR and JSPS

Nov - Dec 2000 and Nov 2002 - Jan 2003: Assessment of non-protein thiols concentration and ^{99m}Tc-meso-HMPAO uptake at normoxic, hyperoxic and hypoxic ambient condition. Biological Imaging Research Center of the Fukui University, Japan

Sept 1992 - Jan 1993 and Nov 1993 - Aug 1994: PET studies in cerebral disorders, Kyoto University, Japan

Participation at Short Term Mobility Program CNR

June-July 2010: Creation of a normative database for ¹¹C-butanol PET/CT studies in psychiatric patients. Karolinska Hospital, Stockholm, Sweden

June-July 2008: cerebral blood flow distribution of C-11 Butanol in patients with Asperger Syndrome. Karolinska Hospital, Stockholm, Sweden

November-December 2005: implementation of new statistical concepts in the managing of PET and SPECT neuroimaging and their impact on clinical diagnosis. Karolinska Hospital, Stockholm, Sweden

July 2003: Analysis of cerebral blood flow distribution by means of SPECT/PET and CBA/SPM in normal subjects and patients bearers of Alzheimer Disease and various psychiatric disorders. Karolinska Hospital, Stockholm, Sweden

June-July 2001: normal rCBF distribution in a large group of normal volunteers and on the effect of cortical atrophy on rCBF as detected by SPECT. Karolinska Hospital, Stockholm, Sweden

April 2000: Improvement of brain SPECT methodology and related software implementing a newly designed brain phantom. Karolinska Hospital, Stockholm, Sweden

February-March 1997: Improvement and automation of a software for the analysis and clinical management of brain images. Karolinska Hospital, Stockholm, Sweden

Principal subjects and occupational skills covered:

Methodology of Positron Emission Tomography (PET) and Single Photon Emission Computed Tomography (SPECT). 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 multimodal statistical methods

Neurophysiology and neurobiology of psychotherapies by SPECT, MRI and EEG

CME, Workshops, Courses

L'EMDR nel Trauma e oltre: neurobiologia e meccanismi d'azione. **CME**. Associazione Italiana EMDR, Roma, Italy, 1st March **2020**.

Avanzamenti nella comprensione della neurobiologia dell'EMDR. **Workshop**. XXIV Congresso Società Italiana di Psicopatologia, Roma, Italy, 20th February **2020**

Neurobiologia dello stress e dei disturbi del neurosviluppo: DSA e ADHD. **CME**. AIRIPA sezione Piemonte. Torino, Italy, 8th February **2020**

Neurobiologia dell'EMDR, i suoi meccanismi d'azione e le applicazioni cliniche. Acufene **CME**. Oggi. Un “approccio multidisciplinare”: strategie diagnostico-riabilitative. Bari, Italy, 29th November **2019**

Neurobiologia e neuropatologia del PTSD. 4th **Workshop** di psicologia e psichiatria militare. Centro Alti Studi per la Difesa. Roma, Italy 27th November **2019**

Effetti dello stress in donne e bambini: neurobiologia e implicazioni cliniche. **Workshop**. La violenza su donne e bambini: neurobiologia degli effetti del trauma e percorsi di cura. Consiglio Regionale della Calabria. Reggio Calabria Italy 21st November **2019**

EMDR - neurobiological and clinical implications. **Workshop**. Faculty of Philosophy Ss. Cyril and Methodius University. Skopje, North Macedonia, October the 8th **2019**.

Esperienze Sfavorevoli Infantili: neurobiologia e sviluppi psicopatologici. **Workshop**. ADOS – SINAPSI. Galatro, Italy, 1st – 2nd June **2019**

ALS: PET Neuroimaging. **Workshop**. 1^o Consensus meeting “Management della SLA con disturbi cognitivi” Sesto San Giovanni, Italy 24th -25th May **2019**

Impatto della neurobiologia sulla comprensione dei disturbi psichici e delle relative psicoterapie. **Workshop**. Ivrea, Italy 5th April **2019**.

Evidenze neurobiologiche della terapia EMDR. **Workshop**. Seminario su EMDR. Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico. Milano 4th April **2019**

Neurobiologia dei disturbi psicosomatici. **Workshop**. Al di là della dicotomia mente corpo: i disturbi somatoformi. STPP & CPAS & Società Ticinese di Reumatologia. Mendrisio, Switzerland. 20th March **2019**

La psicoterapia alla prova delle neuroscienze. **Course**. Seminario tematico COIRAG. Milano Italy, 9th March **2019**

EMDR: panoramica su neurobiologia, applicazioni cliniche e meccanismi d'azione. **CME**. EMDR: un trattamento efficace per la cura del trauma psichico e dei disturbi ad esso correlati. Unione Medici Italiani – Formazione. Brescia, Italy 23rd February **2019**.

Neurobiologia e meccanismi d'azione delle psicoterapie. **Workshop**. Seminario Tematico ADOS, Galatro, Italy, 20th-21st October **2018**

RM, FDG-PET e altre modalità PET nella SLA. **CME**. Corso avanzato di medicina nucleare in neurologia, Pesaro, Italy, 29th September **2018**

Brief Presentation of EMDR mechanism of action. **Workshop**. 19th EMDR European Conference, Strasbourg, France 28th June **2018**

Neuroimmagini funzionali: nuova frontiera della conoscenza (Part 2). **Workshop**. Associazione di Psicoterapia Psicoanalitica di gruppo. Milan, Italy 19th May **2018**

Neuroimmagini funzionali: nuova frontiera della conoscenza (Part 1). **Workshop**. Associazione di Psicoterapia Psicoanalitica di gruppo, Milan, Italy, 12th May **2018**

Psychotherapies and PTSD – Focus on EMDR and its mechanism of action. **Workshop**. Efficiency of psycho-therapy - in particular EMDR-therapy - based on neuroimaging. EMDR Belgium. Bruxelles, Belgium, 28th April **2018**

Patofisiologia per neuro immagini della violenza. **CME**. COIRAG Congresso Nazionale: La violenza nei legami. Turin, Italy 19th May **2017**

Novel findings on EMDR neurobiology and mechanisms of action. **Workshop**. Föreningen EMDR Sverige, Stockholm, Sweden, 5th May **2017**

Neuroscienze: cervello-mente-corpo. L'apporto delle neuroscienze e delle terapie psico-corporee alla risoluzione del trauma. **Workshop**. Locarno, Switzerland 8th April **2017**

Value of neuroimaging in disclosing PTSD and EMDR neurobiology. **Workshop**. Toulouse, France, 18th March **2017**

Aspetti anatomico-funzionali del trauma psicologico e dei diversi tipi di stress. **CME**. Psicoterapia e Neuroscienze. Scuola quadriennale di specializzazione in psicoterapia sistemico-familiare del CMTEF. Trieste, Italy, 18th February **2017**

Neurobiological aspects of trauma and stress. **Workshop**. Konsultationspsykiatri och psykosomatik, Huddinge Hospital, Karolinska Institutet, Stockholm, Sweden, 8th December **2016**

L'efficacia della psicoterapia vista attraverso le neuro immagini. **CME**. La Psiconeuroendocrinoimmunologia per il rinnovamento della psichiatria e della psicoterapia. Congresso SIPNEI, Rome, Italy, 21st-22nd October **2016**

Ruolo del neuroimaging nei pazienti con demenza e disturbi del movimento. **CME**. Recenti progressi nella gestione clinica dei pazienti con demenza. Congresso AIP, Bolzano, Italy, 7th October **2016**

Recent developments in the Neurobiology of EMDR and how to teach it on your training. **Workshop**. 17th EMDR European Conference, The Hague, Holland, 16th June **2016**

Recent developments in the Neurobiology of EMDR and how to use it in your supervision. **Workshop**. 17th EMDR European Conference, The Hague, Holland, 16th June **2016**

Impatto delle neuroimmagini in psicologia e psicoterapia. **CME**. Trauma e Neuroscienze. Locarno, Switzerland; 23rd April **2016**

Sensibilità e resilienza allo stress: correlati neurobiologici. **Workshop**. Accrescere la resilienza nella popolazione: aspetti psicologici, sociologici, legali, assicurativi e responsabilità del sindaco. Culture And RiSkmanagement in Man-made And Natural Disasters. Florence, Italy 5th March **2016**

EMDR - Anatomo-fisiopatologia dell'efficacia clinica. **Workshop**. Review Days EMDR Italia. Rome, Italy, 14th November **2015**

Neurobiological aspects of somatization and trauma. **Workshop**. Konsultationspsykiatri och psykosomatik, Huddinge Hospital, Karolinska Institutet, 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 Galliciano, 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

EMDR neurobiological correlates and future perspectives. 4th Congreso Español EMDR. Madrid, 14th December **2019**

EMDR: Dalle evidenze del presente alle prospettive future. Congresso Nazionale EMDR, Milano 27th September **2019**

Parkinson imaging. XXXIII Congresso Brasileiro de Medicina Nuclear. Porto Alegre, Brasil, 6th September **2019**

Neurobiologia degli eventi di vita e degli interventi psicoterapici. 44th Congress of Società Italiana di Psicoterapia Medica. Torino, Italy 7th June **2019**

ALS and HD towards clinical use of neuroimaging. 8th European Conference on Clinical Neuroimaging. Brussels, Belgium, 21st-22nd May **2019**

EMDR neurobiological correlates of clinical efficacy. 2^{me} Congres International Annuel EMDR Maroc. Marrakech, Morocco, 23rd March **2019**

Brain and psychotherapy. EMDR- neurobiological impact and new horizons beyond PTSD. Seminar. University of Gdansk, Poland, 11th March **2019**

Brain and psychotherapy. EMDR- neurobiological impact and new horizons beyond PTSD. University of Kielce, Poland, 13th March **2019**

Nuovi orizzonti per l'EMDR: dalla clinica alla ricerca. Nuovi sviluppi nell'ambito dei disturbi psicologici e mentali. Il contributo della terapia EMDR. Tirana, Albania, 17th November **2018**

Neurobiologia dei maltrattamenti nell'infanzia e nell'adolescenza. Comune di La Spezia: "La prevenzione nell'età evolutiva. I fattori determinanti per armonico sviluppo cognitivo e fisico". La Spezia, Italy, 18th October **2018**

Brain Imaging and EMDR Mechanisms of Action. 19th EMDR European Conference, Strasbourg, France 30th June **2018**

Positron Emission Tomography in ALS. ALS as a cortico-efferent syndrome. Ulm, Germany, 8th June **2018**

Neurobiological changes in psychotherapy. Swedish Psychiatry Association Congress. Stockholm, Sweden 14th March **2018**

PTSD e psicoterapie: normalizzazione neurobiologica e guarigione clinica. Dept. of Biotechnological and Applied Clinical Sciences, University of l'Aquila, Italy, 16th November **2017**

Novel analysis methods in cerebral neurodegenerative diseases diagnosis by PET. National Conference of Nuclear Medicine 3rd Edition, Bucharest, Romania, 28th October **2017**

Neuroimmagini in psicologia: correlati funzionali della guarigione clinica. Convegno Consiglio Nazionale Ordine degli Psicologi, Roma, Italy, 14th October **2017**

EMDR mechanisms supported by neurobiological evidence. In: Eye movement desensitization and reprocessing (EMDR): neurobiological mechanisms and clinical applications. WPA XVII World Congress of Psychiatry. Berlin, Germany, 11th October **2017**

EMDR putative mechanisms of action. 47th Congress of the European Association of Behavioural and Cognitive Therapies. Lubijana, Slovenia, 15th September **2017**

Novel findings in Dementia diagnosis by PET. Linköping University Hospital, Linköping, Sweden, 14th June **2017**

Brain networking in neurodegenerative disorders. 6th European Conference on Clinical Neuroimaging. Rome, Italy, 28th March **2017**

Impatto dell'EMDR sulla neurobiologia del trauma. Università Salesiana, Rome, Italy, 2nd March **2017**

Impacto de EMDR en la neurobiologia de el TEPT. EMDR-APPIA Meeting, Montevideo, Uruguay, 9th November **2016**

Impacto de EMDR en el sistema límbico. IV Congreso Ibero-Americano EMDR. Buenos Aires, Argentina, 28th October-1st November **2016**

Imaging neurodegeneration: from metabolic patterns to individual diagnosis. 5th Balkan & 13th National Congress of Nuclear Medicine, Thessaloniki, Greece 17th – 20th June, **2016**

Metabolic and cognitive patterns in Amyotrophic Lateral Sclerosis. 2nd International conference on Neurological Disorders and Stroke. Dubai, UAE, 28th-30th April **2016**

Impact of EMDR treatment in functional and anatomical neuroimaging. Institut de Neurosciences de la Timone (INT), University of Marseille, France, 26th February **2016**

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 aiguë 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**

PUBLICATIONS

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ARTICLES ON INDEXED JOURNALS

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1. Martí-Andrés G, Bommel L, Meles SK, Riverol M, Kogan RV, Gurvits V, Renken R, van Laar T, **Pagani M**, Prieto E, Luquin R, Arbizu J, Leenders KL. Progressive supranuclear palsy: common metabolic pattern in different variants. Accepted **Movement Disorders** 2020
2. Canosa A, D'Ovidio F, Calvo A, Moglia C, Manera U, Torrieri MC, Vasta R, Cistaro A, Gallo S, Iazzolino B, Nobili F, Casale F, A Chiò A, **Pagani M**. Lifetime Sport Practice and Brain Metabolism in Amyotrophic Lateral Sclerosis. Accepted **Neuroimage Clinical** 2020
3. Trentini C, **Pagani M**, Lauriola M, Tambelli R. Neural Responses to Infant Emotions and Emotional Self-Awareness in Mothers and Fathers during Pregnancy. **International Journal of Environmental Research and Public Health** 2020; 17:3314. doi:10.3390/ijerph17093314
4. De Vocht J; Blommaert J; Devrome M; Radwan A; Van Weehaeghe D; De Schaepe-dryver M; Ceccarini J; Rezaei A; Schramm G; Van Aalst J; Chio A; **Pagani M**; Van Esch H; Lamaire N; Verhaegen M; Mertens N; Poesen K; van den Berg L; Van Es M; Vandenberghe R; Vandenbulcke M; Van den Stock J; Koole M; Dupont P; Van Laere K; Van Damme P. A multi-modal biomarker study reveals early brain 18F FDG-PET changes at single subject level in presymptomatic C9orf72 repeat expansion carriers. **JAMA Neurology** 2020. doi:10.1001/jamaneurol.2020.1087
5. Schindlbeck KA, Lucas-Jiménez O, Tang CC, Morbelli S, Arnaldi D, Pardini M, **Pagani M**, Nobili F, Eidelberg D. Metabolic network abnormalities in drug-naïve Parkinson's disease. **Movement Disorders** 2020; 35:587-594. doi: 10.1002/mds.27960
6. Meles SK; Renken RJ; **Pagani M**; Teune LK, Arnaldi D; Morbelli S; Nobili F; van Laar T; Obeso JA; Rodríguez-Oroz MC, Leenders KL. Abnormal Pattern of Brain Glucose Metabolism in Parkinson's Disease: Replication in three European cohorts. **European Journal of Nuclear Medicine Molecular Imaging** 2020; 47:437-450. doi: 10.1007/s00259-019-04570-7
7. Kassubek J, **Pagani M**. Imaging in amyotrophic lateral sclerosis - MRI and PET. **Current Opinions in Neurology** 2019; 32:740-746. doi: 10.1097/WCO.0000000000000728
8. **Pagani M**, Carletto S, Ostacoli L. PET and SPECT in psychiatry: the past and the future. **European Journal of Nuclear Medicine Molecular Imaging** 2019; 46:1985-1987; doi.org/10.1007/s00259-019-04451-z

9. Chiaravalloti A, Micarelli A, Ricci M, **Pagani M**, Ciccariello G, Bruno E, Alessandrini M, Schillaci O. Evaluation of task related brain activity: is there a role for 18F FDG PET imaging? **Biomed Research International** **2019**; Jul 2: 4762404. doi: 10.1155/2019/4762404
10. Calvo A, Chiò A, **Pagani M**, Cammarosano S, Dematteis F, Moglia C, Solero L, Manera U, Martone T, Brunetti M, Balma M, Castellano G, Barberis M, Cistaro A, Artusi CA, Vasta R, Montanaro E, Romagnolo A, Iazzolino B, Canosa A, Carrara G, Valentini C, Li TQ, Nobili F, Lopiano L, G. Rizzone MG. Parkinsonian traits in amyotrophic lateral sclerosis (ALS): a prospective population-based study. **Journal of Neurology** **2019**; 266:1633-1642
11. Carletto S, Porcaro C, Settanta C, Vizzari V, Stanizzo MR, Oliva F, Torta R, Fernandez I, Coletti M, Mojah M, **Pagani M**, Ostacoli L. Neurobiological Features and Response to Eye Movement Desensitization and Reprocessing Treatment of Posttraumatic Stress Disorder in Patients with Breast Cancer **European Journal of Psychotraumatology** **2019**. 10:1, 1600832. doi: 10.1080/20008198.2019.1600832
12. Martinez- Manzanera O, Meles SK, Leenders KL, Renken RJ, **Pagani M**, Arnaldi D, Nobili F, Obeso J, Rodriguez Oroz M, Morbelli S, Maurits NM. Scaled subprofile modeling and convolutional neural networks for the identification of Parkinson's disease in 3D nuclear imaging data. **International Journal of Neural Systems** **2019**; Nov;29(9):1950010. doi: 10.1142/S012906571950010
13. Brugnolo A, De Carli F, **Pagani M**, Morbelli S, Jonsson C, Chincarini A, Frisoni GB, Galluzzi S, Pernecky R, Drzezga A, van Berckelm BNM, Ossenkoppele R, Didic M, Guedj E, Arnaldi A, Massa F, Grazzini M, Pardini M, Mecocci P, Diottorini ME, Bauckhnet M, Sambuceti GM, Nobili F. Head-to-head comparison among semi-quantification tools of brain FDG-PET to aid the diagnosis of prodromal Alzheimer's disease **Journal of Alzheimer's Disease** **2019**; 68:383-394. doi: 10.3233/JAD-181022
14. Sala A, Iaccarino L, Fania PC, Vanoli EG, Fallanca F, Pagnini C, Cerami C, Calvo A, Canosa A, **Pagani M**, Chiò A, Cistaro A, Perani D. Testing the diagnostic accuracy of [18F]FDG-PET in discriminating spinal- and bulbar-onset amyotrophic lateral sclerosis. **European Journal of Nuclear Medicine Molecular Imaging** **2019**; 46:1117–1131. doi: 10.1007/s00259-018-4246
15. Arnaldi D, Meles SK, Giuliani A, Morbelli S, Renken RJ, Janzen A, Vadasz D, the REMPET study group, the Genoa REMPET study group, Mayer G, Jonsson C, Oertel WH, Leenders KL, Nobili F, **Pagani M**. Brain glucose metabolism in idiopathic REM sleep behavior disorder and in Parkinson's Disease: continuum spectrum of the same disease? **Journal of Parkinson's Disease** **2019**; 9: 229-239
16. De Carli F, Nobili F, **Pagani M**, Bauckneht M, Massa F, Grazzini M, Jonsson C, Peira E, Morbelli S, Arnaldi D. Accuracy and generalization capability of an automatic method for the detection of typical brain hypometabolism in prodromal Alzheimer disease. **European Journal of Nuclear Medicine Molecular Imaging** **2019**; 46: 334-347. doi: 10.1007/s00259-018-4197-7

17. Canosa A, **Pagani M**, Brunetti M, Barberis M, Iazzolino B, Ilardi A, Cammarosano S, Manera U, Moglia C, Calvo A, Cistaro A, Chiò A. Correlation between Apolipoprotein E genotype and brain metabolism in amyotrophic lateral sclerosis. **European Journal of Neurology** **2019**; 26: 306-312. doi.org/10.1111/ene.13812
18. Landin-Romero R, Moreno-Alcazar A, **Pagani M**, Amann BL. How does Eye movement desensitization and reprocessing therapy work? A systematic review on the proposed mechanisms of action. **Frontiers in Psychology** **2018**; August | Volume 9 | Article 1395. doi: 10.3389/fpsyg.2018.01395
19. Agosta F, Altomare D, Festari C, Orini S, Gandolfo F, Boccardi M, Arbizu J, Bouwman F, Drzezga A, Nestor P, Nobili F, Walker Z, **Pagani M**. Clinical utility of FDG-PET in amyotrophic lateral sclerosis and Huntington's disease. **European Journal of Nuclear Medicine Molecular Imaging** **2018**; 45: 1546–1556. doi: 10.1007/s00259-018-4033-0
20. Trentini C, Lauriola M, Giuliani A, Maslovaric G, Tambelli R, Fernandez I **Pagani M**. Dealing with emergency: The effects of the EMDR Integrative Group Treatment Protocol on emotional problems and post-traumatic reactions in child victims of the 2016 Italy earthquakes. **Frontiers in Psychology** **2018**; June | Volume 9 | Article 862; doi: 10.3389/fpsyg.2018.00862
21. D'hulst L, Van Weehaeghe D, Chiò A, Calvo A, Moglia C, Canosa A, Cistaro A, Willekens SMA, De Vocht J, Van Damme P, **Pagani M**, Van Laere K. Multicenter validation of [18F]-FDG PET and support-vector machine discriminant analysis in automatically classifying patients with Amyotrophic Lateral Sclerosis versus controls. **Amyotrophic lateral Sclerosis and Frontotemporal Degeneration** **2018**; 19:570-577. doi: 10.1080/21678421.2018.1476548
22. **Pagani M**, Castelnuovo G, Daverio A, La Porta P, Monaco L, Ferrentino F, Chiaravalloti A, Fernandez I, Di Lorenzo G. Metabolic and electrophysiological changes associated to clinical improvement in two severely traumatized subjects treated with EMDR – A pilot study. **Frontiers in Psychology** **2018**; April | Volume 9 | Article 475. doi: 10.3389/fpsyg.2018.00475
23. Meles SK, Renken RJ, Janzen A, Vadasz D, **Pagani M**, Arnaldi D, Morbelli S, Nobili F, the REMPET study group, the Genoa REMPET study group, Mayer G, Leenders KL, Oertel WH. The metabolic pattern of idiopathic REM sleep behavior disorder reflects early-stage Parkinson's disease. **Journal of Nuclear Medicine** **2018**; 59:1437-1444. doi: 10.2967/jnumed.117.202242. Epub 2018 Feb 23
24. Bauckneht M; Chincarini A; Piva R; Arnaldi D; Girtler N; Massa F; Pardini M; Grazzini M; Efeurk H; **Pagani M**; Sambuceti G; Nobili F; Morbelli S. Metabolic Correlates of Reserve and Resilience in MCI due to Alzheimer's Disease (AD). **Alzheimer's Research & Therapy** **2018**; 10(1):35. doi: 10.1186/s13195-018-0366-y

25. Ostacoli L, Carletto S, Cavallo M, Baldomir-Gago P, Di Lorenzo G, Fernandez I, Hase M, Justo-Alonso A, Lehnung M, Migliaretti G, Oliva F, **Pagani M**, Recarey-Eiris S, Torta R, Tumani V, Isabel González-Vázquez A, Hofmann A. Comparison of Eye Movement Desensitization Reprocessing and Cognitive Behavioral Therapy as adjunctive treatment for recurrent depression: the European Depression EMDR Network (EDEN) randomized control trial. **Frontiers in Psychology** 2018; February | Volume 9 | Article 74. doi: 10.3389/fpsyg.2018.00074
26. Carletto S, Oliva F, Barnato M, Antonelli T, Cardia A, Mazzaferro P, Raho C, Fernandez I, **Pagani M**. EMDR as add-on treatment for psychiatric and traumatic symptoms in patients with Substance Use Disorder. **Frontiers in Psychology** 2018; January | Volume 8 | Article 2333. doi: 10.3389/fpsyg.2017.02333
27. Carletto S, Borsato T, **Pagani M**. The Role of Slow Wave Sleep in Memory Pathophysiology: Focus on Post-Traumatic Stress Disorder and Eye Movement Desensitization and Reprocessing. **Frontiers in Psychology** 2017; November | Volume 8 | Article 2050. doi: 10.3389/fpsyg.2017.02050
28. Meles SK; **Pagani M**, Arnaldi D; De Carli F, Dessi B; Morbelli S; Sambuceti GM; Jonsson C; Leenders KL, Nobili F. The Alzheimer's disease metabolic brain pattern in Mild Cognitive Impairment. **Journal of Cerebral Blood Flow Metabolism** 2017; 37:3643-3648. doi: 10.1177/0271678X17732508
29. **Pagani M**, Amann BL, Landin-Romero R, Carletto S. EMDR and Slow Wave Sleep: a putative mechanism of action. **Frontiers in Psychology** 2017; October | Volume 8 | Article 1935. doi: 10.3389/fpsyg.2017.01935
30. Morbelli S, Bauckneht, Arnaldi D, M, Picco A, Pardini M, Brugnolo A, Buschiazzo A, **Pagani M**, Girtler N, Nieri A, Chincarini A, De Carli F, Sambuceti G, Nobili F. 18F-fluorodeoxyglucose (FDG) PET diagnostic and prognostic patterns do not overlap in Alzheimer's Disease patients at Mild Cognitive Impairment (MCI) stage". **European Journal of Nuclear Medicine Molecular Imaging** 2017; 44: 2073-2083. doi: 10.1007/s00259-017-3790-5
31. **Pagani M**, Nobili F, Morbelli S, Arnaldi D, Giuliani A, Öberg J, Girtler N, Brugnolo A, PiccoA, Bauckneht M, Piva R, Chincarini A, Sambuceti G, Jonsson C, De Carli F. Early identification of MCI converting to AD – An FDG-PET study. **European Journal of Nuclear Medicine Molecular Imaging** 2017; 44: 2042-2052. doi 10.1007/s00259-017-3761-x
32. Arbizu J, Giuliani A, Gallego Perez-Larraya J, Riverol M, Jonsson C, García-García B, Morales M, Imaz L, **Pagani M**. Emerging clinical issues and multivariate analyses in PET investigations. **Quarterly Journal of Nuclear Medicine Molecular Imaging** 2017; 61: 386-404. doi:10.23736/S1824-4785.17.03024-2
33. Nobili F, **Pagani M**. Functional/structural neuroimaging as a 'unique' science. **Quarterly Journal of Nuclear Medicine Molecular Imaging** 2017; 61: 341-344. doi:10.23736/S1824-4785.17.03013-8
34. **Pagani M**, Giuliani A, Öberg J, De Carli F, Morbelli S, Girtler N, Arnaldi D, Accardo J, Bauckneht A, Bongioanni F, Chincarini A, Sambuceti G, Jonsson C, Nobili F. Progressive disintegration of brain networking from normal aging to Alzheimer's Disease. Analysis of Independent Components of 18F-FDG PET Data. **Journal of Nuclear Medicine** 2017; 58: 1132-1139

35. Morbelli S, Arbizu J, Booij J, Chen MK, Chetelat G, Cross DJ, Djekidel M, Drzezga A, Ekmekcioglu O, Garibotto V, Hesse S, Ishii K, Saraf LJ, Lammertsma A, Law I, Mathews D19, Minoshima S, Moshi K, **Pagani M**, Pappata' S, Silverman DH, Signore A, Van De Giessen E, Villemagne V, Barthel H. The need for standardization and larger clinical studies in emerging indications to [18F]FDG PET brain PET: autoimmune encephalitis. **European Journal of Nuclear Medicine Molecular Imaging** 2017; 44: 353–357. doi 10.1007/s00259-016-3589-9
36. Dickson JC, Tossici-Bolt L, Sera T, Booij J, Ziebell M, Morbelli S, Assenbaum-Nan S, Vander Borght T, **Pagani M**, Kapucu OL, Hesse S, Van Laere K, Darcourt J, Varrone A, Tatsch K. The impact of reconstruction and scanner characterization on the diagnostic capability of a normal database for [123I]FP-CIT SPECT imaging. **European Journal of Nuclear Medicine Molecular Imaging Research** 2017; 7:10. doi: 10.1186/s13550-016-0253-0
37. Morbelli S, Djekidel M, Hesse S, **Pagani M**, Barthel H. Role of brain [18F]fluorodeoxyglucose (FDG) PET in the syndrome-based diagnostic approach to autoimmune encephalitis. **Lancet Neurology** 2016; 15, 1009-1010
38. **Pagani M**, Giuliani A, Öberg J, Chincarini A, Morbelli S, Brugnolo A, Arnaldi D, Picco A, Baucknhet M, Buschiazzo A, Sambuceti G, Nobili F. Predicting the transition from normal aging to Alzheimer's Disease: a statistical mechanistic evaluation of FDG-PET data. **Neuroimage** 2016; 141: 282-290
39. Arnaldi D, Morbelli S, Brugnolo A, Girtler N, Picco A, Ferrara M, Accardo J, Buschiazzo A, De Carli F, **Pagani M**, Nobili F. Functional neuroimaging and clinical features of de novo, drug naive PD patients with probable RBD. **Parkinsonism & Related Disorders** 2016; 29:47-53
40. Borghi M, Carletto S, Ostacoli L, Scavelli F, Pia L, **Pagani M**, Bertolotto A, Malucchi S, Signori A, Cavallo M. Decline of neuropsychological abilities in a large sample of patients with Multiple Sclerosis: A two-year longitudinal study. **Frontiers in Human Neuroscience** 2016 | Volume 10 | Article 282. doi: 10.3389/fnhum.2016.00282
41. Morbelli S, Ferrara M, Fiz F, Dessi B, Arnaldi D, Picco A, Bossert I, Buschiazzo A, Accardo J, Picori L, Girtler N, **Pagani M**, Sambuceti M, Nobili F. Mapping brain morphological and functional conversion patterns in pre-dementia, late-onset bvFTD. **European Journal of Nuclear Medicine and Molecular Imaging** 2016; 43: 1337-1347
42. Buchert R, Kluge M, Tossici-Bolt L, Dickson J, Bronzel M, Lange C, Assenbaum S, Booij J, Kapucu OL, Knudsen GM, Koulibaly PM, Nobili F, **Pagani M**, Sabri O, Sera T, Tatsch K, Vander Borght T, Van Laere K, Varrone A, Ida H. Reduction of camera-specific variability in [123I]FP-CIT SPECT by image reconstruction optimized for multi-site settings: impact on age dependence of the specific binding ratio in the ENCDAT database. **European Journal of Nuclear Medicine and Molecular Imaging** 2016; 43: 1323-1336

43. Albert N, Unterrainer M, Diemling M, Xiong G, Bartenstein P, Koch W, Varrone A, Dickson JC, Tossici-Bolt L, Sera T, Asenbaum S, Booij J, Kapucu OL, Kluge A, Ziebell M, Darcourt J, Nobili F, **Pagani M**, Hesse S, Vander Borght T, Van Laere K, Tatsch K, La Fougère C. Implementation of the European Multicentre Database of Healthy Controls for [123I]FP-CIT SPECT Increases Diagnostic Accuracy in Clinically Uncertain Parkinsonian syndrome. **European Journal of Nuclear Medicine and Molecular Imaging** 2016; 43: 1315-1322
44. Garibotto V, Morbelli S, **Pagani M**. Dual-phase amyloid PET: hitting two birds with one stone. **European Journal of Nuclear Medicine Molecular Imaging** 2016; 43: 1300-1303
45. Alessandrini M, Micarelli A, Chiaravalloti A, Bruno E, Danieli R, Pierantozzi M, Genovesi G, Öberg J, **Pagani M**, Schillaci O. Involvement of subcortical brain structures during olfactory stimulation in multiple chemical sensitivity. **Brain Topography** 2016; 29:243-252
46. **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. **Human Brain Mapping** 2016; 37:942-953
47. 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; 86:44-49
48. Trentini C, **Pagani M**, Fania P, Speranza A.M, Nicolais G, Sibilia A, Inguscio L, Verardo AR, Ammaniti M. Neural processing of emotions in traumatized children treated with EyeMovement Desensitization and Reprocessing therapy: A hdEEG study. **Frontiers in Psychology – Psychology for Clinical Setting** November 2015 | Volume 6 | Article 1662. doi: 10.3389/fpsyg.2015.01662
49. **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. doi: 10.3389/fpsyg.2015.01614
50. 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. doi: 10.3389/fpsy.2015.00134
51. 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
52. 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

53. 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 ^{18}F -FDG PET/CT study. **European Journal of Nuclear Medicine and Molecular Imaging** **2015**; 42:733-740
54. Morbelli S, Brugnolo A, Bossert I, Buschiazzo A, Frisoni GB, Galluzzi S, Van Berckel BN, Ossenkuppele 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 ^{18}F -FDG-PET in amnesic MCI. An European Alzheimer's Disease Consortium (EADC) project. **Journal of Alzheimer's Disease** **2015**; 44: 815–826
55. Chiaravalloti A, **Pagani M**, Cantonetti M, Di Pietro B, Tavolozza M, Travascio¹, 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 ^{18}F FDG PET/CT study. **Oncology Letters** **2015**; 9:685-690
56. **Pagani M**, De Carli F, Morbelli S, Öberg J, Chincarini A, Frisoni GB, Caroli A, Pernecky R, Drzezga A, van Berckel BNM, Ossenkuppele R, Guedj E, Didic M, Brugnolo A, Picco A, Arnaldi D, Ferrara M, Buschiazzo A, Sambuceti G, Nobili F. Region of Interest-based [^{18}F]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
57. **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
58. 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
59. 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
60. 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
61. 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 ^{18}F -FDG PET/CT methodological approach. **Medicine** **2014**; Oct;93(19): e103.
62. **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
63. 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**, Vanderborgh 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

64. 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 Borgh 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.
65. 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
66. 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
67. 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
68. 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
69. Nardo D, Högberg G, Lanius R, Jacobsson H, Jonsson C, Hällström T, **Pagani M**. Gray matter volume alterations related to trait dissociation in PTSD and traumatized controls. **Acta Psychiatrica Scandinavica** 2013; 128: 222-233
70. Thomsen G, Knudsen GM, Jensen PS, Ziebell M, Holst KK, Asenbaum S, Booij J, Darcourt J, Dickson JC, Kapucu OL, Nobili F, Sabri O, Sera T, Tatsch K, Tossici-Bolt L, Van Laere K, Vanderborgh T, Varrone A, **Pagani M**, Pinborg LH. No difference in striatal dopamine transporter availability between active smokers, ex-smokers and non-smokers using [123I]FP-CIT (DaTSCAN) and SPECT. **European Journal of Nuclear Medicine and Molecular Imaging Research** 2013; 3:39
71. Morbelli S, Pernecky R, Drzezga A, Frisoni GB, Caroli A, van Berckel BNM, Ossenkoppele R, Guedj E, Didic M, Brugnolo A, Naseri M, Sambuceti G, **Pagani M**, Nobili F. Metabolic Networks underlying Cognitive Reserve in Prodromal Alzheimer's Disease: A European Alzheimer's Disease Consortium Project. **Journal of Nuclear Medicine** 2013; 54: 894-902
72. Booij J, Arbizu J, Darcourt J, Hesse S, Nobili F, Payoux P, Pappatà S, Tatsch K, Walker Z, **Pagani M**. Appropriate use criteria for amyloid PET imaging cannot replace guidelines. **European Journal of Nuclear Medicine and Molecular Imaging** 2013; 40: 1122-1125
73. Micarelli A, Jacobsson H, Larsson SA, Jonsson C and **Pagani M**. Neurobiological insight into hyperbaric hyperoxia. **Acta Physiologica** 2013; 209: 69-76
74. Söderlund TA, Dickson JC, Prvulovich E, Ben-Haim S, Kemp P, Booij J, Nobili F, Thomsen G, Sabri O, Koulibaly PM, Akdemir OU, Pagani M, van Laere K, Asenbaum-Nan S, George J, Sera T, Tatsch K, Bomanji J. Value of Semiquantitative Analysis for Clinical Reporting of 123I-2-β-Carbomethoxy-3β-(4-iodophenyl)-N-(3-Fluoropropyl)Nortropane SPECT Studies. **Journal of Nuclear Medicine** 2013; 54: 714-22

75. Nobili F, Naseri Shoustari M, De Carli F, Asenbaum S, Booij J, Darcourt J, Ell P, Kapucu Ö, Kemp P, Knudsen GM, Morbelli S, **Pagani M**, Sabri O, Tatsch K, Tossici-Bolt L, Sera T, Vander Borgh T, Van Laere K, Varrone A. Automatic semi-quantification of [123I] FP-CIT SPECT scans in healthy volunteers using BasGan -Version 2: Results from the ENC-DAT database. **European Journal of Nuclear Medicine and Molecular Imaging** **2013**; 40: 565-73
76. Alessandrini M, **Pagani M**, Napolitano B, Micarelli A, Bruno E, Chiaravalloti A, Di Pietro B, Schillaci O. Early and phasic cortical metabolic changes in vestibular neuritis onset. **PLOS ONE** **2013**; 8(3): e57596
77. Manouilenko I, **Pagani M**, Stone-Elander S, Odh R, Brodin F, Hatherly R, Jacobsson H, Larsson SA, Bejerot S. Autistic traits, ADHD symptoms, Neurological Soft Signs and Cerebral Blood flow in Autism Spectrum Disorders. **Research in Autism Spectrum Disorders** **2013**; 7:566-578
78. Varrone A, Dickson J, Tossici-Bolt L, Sera T, Asenbaum S, Booij J, Kapucu OL, Kluge A, Knudsen G, Koulibaly PM, Nobili F, **Pagani M**, Sabri O, Vanderborgh T, Van Laere K, Tatsch K. European multicentre database of healthy controls for [123I]FP-CIT SPECT (ENC-DAT): age-related effects, gender differences and evaluation of different methods of analysis. **European Journal of Nuclear Medicine and Molecular Imaging** **2013**; 40:213-227
79. Chiaravalloti A, **Pagani M**, Di Pietro B, Danieli R, Tavolozza M, Travascio L, Ragano C, Simonetti G, Cantonetti M, Schillaci O. Is cerebral brain glucose metabolism affected by chemotherapy in patients with Hodgkin's lymphoma? **Nuclear Medicine Communications** **2013**; 34: 57-63
80. van de Giessen E, Hesse S, Caan MWA, Zientek F, Dickson JC, Tossici-Bolt L, Sera T, Asenbaum S, Guignard R, Akdemir UO, Knudsen GM, Nobili F, **Pagani M**, Vanderborgh T, Van Laere K, Varrone A, Tatsch K, Booij J, Sabri O. No association between striatal DAT binding and BMI: A multi-center European study in healthy volunteers. **Neuroimage** **2013**; 64: 61-67
81. **Pagani M**, Di Lorenzo G, Verardo AR, Nicolais G, Monaco L, Lauretti G, Russo R, Niolu C, Ammaniti M, Siracusano A and Fernandez I. Neurobiology of EMDR – EEG imaging of treatment efficacy. **PLOS ONE** **2012**; 7: e45753
82. Morbelli S, Drzezga A, Pernecky R, Frisoni GB, Caroli A, van Berckel BNM, Ossenkoppele R, Guedj E, Didic M, Brugnolo A, Sambucetti G, **Pagani M**, Salmon E, Nobili F. Resting metabolic connectivity in prodromal Alzheimer's disease. A European Alzheimer Disease Consortium (EADC) project. **Neurobiology of Aging** **2012**; 33: 2533-2550
83. Magalhaes I, Sánchez-Crespo A, **Pagani M**, Vudattu NK, Nysten G, Halldin C, Spångberg M, Larsson SA, Gulyás, Maeurer MJ. Interleukin -7 (IL-7) Increases Metabolic Thymic and CNS Activity. **Journal of Cell Science and Therapy** **2012**, 3: 127.
84. Cistaro A, Vesco S, Quartuccio N, **Pagani M**, Fania P, Donati L, Nobili F, Duca S, Carrara G, Valentini M.C. The evidence of the 18F-FDG-PET/CT in a strange case of pure hemianopia in a pediatric patient after TBI. **Ophthalmology** **2012**; 119: 1496-1497
85. **Pagani M**, Di Lorenzo G, Verardo AR, Nicolais G, Monaco L, Niolu C, Fernandez I, Siracusano A. Neurobiological substrate of EMDR therapy. **Rivista di Psichiatria** **2012**; 47: S2: 16-18

86. **Pagani M**, Manouilenko I, Stone-Elander S, Odh R, Salmaso D, Hatherly R, Brolin F, Jacobsson H, Larsson SA, Bejerot S. Alterations in cerebral blood flow as assessed by PET/CT in adults with Autism Spectrum Disorder with normal IQ. **Journal of Autism and Developmental Disorders** **2012**; 42: 313-318
87. Cistaro A, Valentini MC, Chiò A, Nobili F, Calvo A, Moglia C, Montuschi A, Morbelli S, Salmaso D, Fania P, **Pagani M**. Positron Emission Tomography discriminates bulbar and spinal onset in Amyotrophic Lateral Sclerosis. **European Journal of Nuclear Medicine and Molecular Imaging** **2012**; 39: 251-259
88. Nardo D, Högberg G, Flumeri F, Jacobsson H, Larsson SA, Hällström T, **Pagani M**. Self-rating scales assessing subjective well-being and distress correlate with rCBF in PTSD-sensitive regions. **Psychological Medicine** **2011**; 41: 2549-2561
89. **Pagani M**. Towards new horizons in brain PET. **European Journal of Nuclear Medicine and Molecular Imaging** **2011**; 38: 1072-1074
90. **Pagani M**, Salmaso D, Sidiras G, Jonsson C, Jacobsson H, Larsson SA, Lind F. Impact of hypobaric hypoxia on blood flow distribution in frontal lobes. **Acta Physiologica** **2011**; 202: 203-209
91. Nobili F, Mazzei D, Dessi B, Morbelli S, Brugnolo A, Barbieri P, Girtler N, Sambuceti G, Rodriguez G, **Pagani M**. Unawareness of memory deficit in amnesic MCI FDG PET findings. **Journal of Alzheimer's Disease** **2010**; 22: 993-1003
92. **Pagani M**, Dessi B, Morbelli S, Brugnolo A, Salmaso D, Piccini A, Mazzei D, Villavecchia G, Larsson SA, Rodriguez G, Nobili F. MCI Patients Declining and Not-Declining at Mid-Term Follow-Up: FDG-PET Findings. **Current Alzheimer Research** **2010**; 7:287-294
93. Nardo D, Högberg G, D, Looi J, Larsson SA, Hällström T, **Pagani M**. Grey matter changes in posterior cingulate and limbic cortex in PTSD are associated with trauma load and EMDR outcome. **Journal of Psychiatry Research** **2010**; 44:477-485
94. Gardner A, Salmaso D, Varrone A, Sanchez-Crespo A, Bejerot S, Jacobsson H, Larsson SA and **Pagani M**. Differences at brain SPECT between depressed females with and without adult ADHD and healthy controls: etiological considerations. **Behavioral Brain Function** **2009**; 5:37
95. **Pagani M**, Salmaso D, Rodriguez G, Nardo D and Nobili F. Principal Component Analysis in mild and moderate Alzheimer's Disease. **Psychiatry Research – Neuroimaging** **2009**; 173: 8-14
96. Looi JCL, Mallerc JJ, **Pagani M**, Högberg G, Lindberg O, Liberg B, Botes L, Engman EL, Zhang Y, Svensson L, Wahlund LO. Caudate volumes in public transportation workers exposed to trauma in the Stockholm train system. **Psychiatry Research – Neuroimaging** **2009**; 171:138-143
97. Nobili F, Salmaso D, Morbelli S, Girtler N, Piccardo A, Brugnolo A, Villavecchia G, Dessi B, Larsson SA, Rodriguez G, **Pagani M**. Principal component analysis of FDG PET in amnesic MCI. **European Journal of Nuclear Medicine and Molecular Imaging** **2008**; 35:2191-2202

98. Gardner A, Salmaso D, Nardo D, Micucci F, Nobili F, Sanchez-Crespo A, Jacobsson H, Larsson SA and **Pagani M**. Mitochondrial function is related to alterations at brain SPECT in depressed patients. **CNS Spectrums** **2008**; 13:805-814
99. Looi, JCL., Lindberg, O, Liberg, B, Tatham, V, Kumar, R., Maller, J, Millard, E, Sachdev, P, Hogberg, G, **Pagani, M**, Botes, L, Engman, E-L, Zhang, Y, Svensson, L, Wahlund, L-O Volumetrics of the caudate nucleus: reliability and validity of a new manual tracing protocol. **Psychiatry Research - Neuroimaging** **2008**; 163:279-288
100. Högberg G, **Pagani M**, Sundin Ö, Soares J, Åberg-Wistedt A, Tärnell B and Hällström T. Treatment of post-traumatic stress disorder with eye movement desensitization and reprocessing: Outcome is stable in 35-month follow-up. **Psychiatry Research** **2008**; 159:101-108
101. **Pagani M**, Högberg G, Salmaso D, Nardo D, Tärnell B, Jonsson C, Soares J, Åberg-Wistedt A, Jacobsson H, Hällström T, Larsson SA and Sundin Ö. Effects of EMDR psychotherapy on ^{99m}Tc-HMPAO distribution in occupation-related Post-Traumatic Stress Disorder. **Nuclear Medicine Communications** **2007**; 28: 757-765
102. Varrone A, **Pagani M**, Salvatore E, Salmaso D, Sansone V, Amboni M, Nobili F, De Michele G, Filla A, Barone P, Pappatà S, Salvatore M. Anterior cingulate hypoperfusion in progressive supranuclear palsy compared with Parkinson's disease identified by [^{99m}Tc]ECD SPET. **European Journal of Nuclear Medicine and Molecular Imaging** **2007**; 34: 1071-1081
103. Högberg G, **Pagani M**, Sundin Ö, Soares J, Åberg-Wistedt A, Tärnell B, Hällström T. On Treatment with Eye Movement Desensitization and Reprocessing of Chronic Post-Traumatic Stress Disorder in Public Transportation Workers — A Randomized Controlled Trial. **Nordic Journal of Psychiatry** **2007**; 61: 54-61
104. Okazawa H, Tsuchida T, Kobayashi M, Arai Y, **Pagani M**, Isozaki M, Yonekura Y. Can reductions in baseline CBF and vasoreactivity detect misery perfusion in chronic cerebrovascular disease? **European Journal of Nuclear Medicine and Molecular Imaging** **2007**; 34: 121-129
105. **Pagani M**, Salmaso D, Nardo D, Jonsson C, Jacobsson H, Larsson SA and Gardner A. Imaging the neurobiological substrate of atypical depression by SPECT. **European Journal of Nuclear Medicine and Molecular Imaging** **2007**; 34: 110-120
106. Okazawa H, Tsuchida T, **Pagani M**, Mori T, Kobayashi M, Tanaka F, Yonekura Y. Effects of 5-HT_{1B/1D} receptor agonist rizatriptan on cerebral blood flow and blood volume in normal circulation. **Journal of Cerebral Blood Flow and Metabolism** **2006**; 26: 92-98
107. **Pagani M**, Högberg G, Salmaso D, Tärnell B, Sanchez-Crespo A, Soares J, Åberg-Wistedt A, Jacobsson H, Hällström T, Larsson SA Sundin Ö. Regional cerebral blood flow during auditory recall in 47 subjects exposed to assaultive and non-assaultive trauma and developing or not Post Traumatic Stress Disorder. **European Archives of Psychiatry Clinical Neuroscience** **2005**; 255: 359-365

108. **Pagani M**, Gardner A, Salmaso D, Sánchez-Crespo A, Jonsson C, Jacobsson H, Lindberg G, Wägner A, Hällström T and Larsson SA. Principal Component and Volumes of Interest Analyses in Depressed Patients by ^{99m}Tc -HMPAO SPET - A Methodological Comparison. **European Journal of Nuclear Medicine and Molecular Imaging** 2004; 31: 995-1004
109. Gardner A, **Pagani M**, Beier H, Jacobsson H, Larsson SA, Hällström T. ^{99m}Tc -HMPAO distribution at SPECT is associated with succinate-cytochrome c reductase (SCR) activity in subjects with psychiatric disorders. **Nuclear Medicine Biology** 2004; 31: 277-282
110. **Pagani M**, Kovalev VA, Lundqvist R, Jacobsson H, Larsson SA and Thurffjell L. A new approach for improving diagnostic accuracy of Alzheimer Disease and Frontal Lobe Dementia utilizing the intrinsic properties of the SPET data set. **European Journal of Nuclear Medicine and Molecular Imaging** 2003; 30: 1481-1488
111. Gardner A, **Pagani M**, Wibom R, Nennesmo I, Jacobsson H, Hällström T. Alterations of rCBF and mitochondrial dysfunction in major depressive disorder: a case report. **Acta Psychiatrica Scandinavica** 2003; 107:233-239
112. Gardner A, **Pagani M**, Jacobsson H, Lindberg G, Larsson SA, Wägner A, Hällström T. Differences in resting state rCBF assessed with ^{99m}Tc -HMPAO SPECT and brain atlas matching between depressed patients with and without tinnitus. **Nuclear Medicine Communications** 2002; 23: 429-439
113. **Pagani M**, Salmaso D, Jonsson C, Hatherly R, Jacobsson H, Larsson SA and Wägner A. Brain regional blood flow as assessed by principal component analysis and ^{99m}Tc -HMPAO SPET in healthy subjects at rest – normal distribution and effect of age and gender. **European Journal of Nuclear Medicine** 2002; 29: 67-75
114. **Pagani M**, Salmaso D, Ramström C, Jonsson C, Lundqvist R, Thurffjell L, Schnell PO, Wägner A, Jacobsson H and Larsson SA. Mapping pathological ^{99m}Tc -HMPAO uptake in Alzheimer's Disease and Frontal Lobe Dementia with SPECT. **Dementia and Geriatric Cognitive Disorders** 2001; 12: 177-184
115. Thurffjell L, **Pagani M**, Andersson J, Jonsson C, Lundqvist R, Wagner A. Registration of Neuroimaging data: Implementation and Clinical Applications. **Journal of Neuroimaging** 2000; 10: 39-46
116. **Pagani M**, Ansjön R, Lind F, Jonsson C, Uusijärvi J, Sumen G, Salmaso, Jacobsson H and Larsson SA. Effects of acute hypobaric hypoxia on regional cerebral blood flow distribution – A Single Photon Emission Computed Tomography study in humans. **Acta Physiologica Scandinavica** 2000; 168: 377-383
117. Larsson SA, Jonsson C, **Pagani M**, Johansson L and Jacobsson H. A novel phantom design for emission tomography enabling scatter- and attenuation-“free” single photon emission tomography imaging. **European Journal of Nuclear Medicine** 2000; 27: 131-139
118. Jonsson C, **Pagani M**, Johansson L, Thurffjell L, Jacobsson H and Larsson S. Reproducibility and repeatability of normal resting state ^{99m}Tc -HMPAO rCBF SPECT using brain atlas matching. **Nuclear Medicine Communications** 2000; 21: 9-18

119. Thurfjell L, Andersson J, **Pagani M**, Jonsson C, Hult R, Lundqvist R, Wagner A, Jacobsson H and Larsson SA. Automatic detection of hypoperfused areas in SPECT brain scans. **IEEE Transaction on Nuclear Science** 1998; 4: 2149-2154
120. **Pagani M**, Ravagnan G and Salmaso D. Effects of acclimatisation to altitude on learning. **Cortex** 1998; 34: 243-251
121. Jonsson C, **Pagani M**, Ingvar M, Thurfjell L, Kimiaei S, Jacobsson H and Larsson SA. Resting state rCBF mapping with single-photon emission tomography and positron emission tomography: magnitude and origin of differences. **European Journal of Nuclear Medicine** 1998; 25: 157-165
122. **Pagani M**, Stone-Elander S and Larsson SA. Alternative PET with non-conventional positron emitters: effects of their physical properties on image quality and their potential clinical application. **European Journal of Nuclear Medicine** 1997; 24: 1301-1328
123. Ishizu K, Mukai T, Yonekura Y, **Pagani M**, Fujita T, Magata Y, Nishizawa S, Tamaki N, Shibasaki H and Konishi J. High resolution 4-head pinhole SPECT system for small animal studies. **Journal of Nuclear Medicine** 1995; 36: 2282-2287
124. Yamauchi H, **Pagani M**, Fukuyama H, Ouchi Y, Nagahama Y, Matsuzaki S, Kimura J, Yonekura Y and Konishi J. Progression of corpus callosum atrophy with deterioration of cerebral cortical oxygen metabolism after carotid artery occlusion. A Follow-Up study with MRI and PET. **Journal of Neurology Neurosurgery Psychiatry** 1995; 59: 420-426
125. Blohmè L, **Pagani M**, Parra-Hoyos H, Olofsson P, Takolander R och Swedenborg J. Changes in middle cerebral artery flow velocity and pulsatility index after carotid endarterectomy. **European Journal of Vascular Surgery** 1991; 5: 659-663
126. Pescarmona E, Rendina E, Venuta F, D'Arcangelo E, **Pagani M**, Ricci C, Ruco LP and Baroni CD. Analysis of prognostic factors and clinico-pathologic staging of thymoma. **Annals of Thoracic Surgery** 1990; 50: 534-538

ARTICLES ON NOT INDEXED JOURNALS

1. Perilli S, Giuliani A, Pagani M, Mazzoni GP, Maslovarich G, Maccarone B, Mahasneh VH, Morales DP. EMDR Group Treatment of Children Refugees—A Field Study. **Journal of EMDR Practice and Research** 2019; 13(2): 143-156
2. Carletto S, Pagani M. Impact neurobiologique de l'EMDR dans le cancer. **Journal of EMDR Practice and Research** 2018; 12(2): E21-E30
3. **Pagani M**, Carletto S. EMDR and Slow Wave Sleep: a putative mechanism of action. *Clinical Neuropsychiatry* 2017; 14(5): 299-303
4. Carletto S, **Pagani M**. El impacto neurobiológico de EMDR en el cáncer. **Journal of EMDR Practice and Research** 2017; 11(3): 92-101
5. Faretta E, Borsato T, Civilotti C, Fernandez I, **Pagani M**. EMDR and CBT: a comparative clinical study with cancer patients. **Journal of EMDR Practice & Research** 2016; 10(3): 215-227
6. Carletto S, **Pagani M**. Neurobiological Impact of EMDR therapy in Cancer. **Journal of EMDR Practice and Research** 2016; 10(3):153-161
7. Bind S, Tiwari KA, Sahani AK, Koulibaly PM, Nobili F, **Pagani M**, Sabri O, Borghet TV, Van Laere K, Tatsch K. A survey of machine learning based approaches for Parkinson disease prediction. **International Journal of Computer Science and Information Technologies**. 2015; 6:1648-1655
8. **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(2): E58-E68
9. 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
10. **Pagani M**, Hogberg G, Fernandez I and Siracusano A. Correlates of EMDR Therapy in Functional and Structural Neuroimaging – A critical summary of recent findings. **Journal of EMDR Practice and Research** 2013; 7(1): 29-38
11. Högberg G, Nardo D, Hällström T, **Pagani M**. Affective psychotherapy in post-traumatic reactions guided by affective neuroscience: memory re-consolidation and play. **Psychiatry Research Behavioral Management** 2011; 4: 87-96
12. **Pagani M**, Di Lorenzo G, Verardo AR, Nicolais G, Monaco L, Lauretti G, Cogolo P, Niolu C, Ammaniti M, Siracusano A and Fernandez I. Pre- intra- and post-treatment EEG imaging of EMDR – Methodology and preliminary results from a single case. **Journal of EMDR Practice and Research** 2011; 5(2): 42-56
13. Cortellessa G, D'Amico R, Tiberio L, **Pagani M** and Cesta A. Modeling users of advanced training environment by integrating psychological and physiological data. **Industrial, Engineering and Other Applications of Applied Intelligent Systems IEA/AIE-2011**
14. **Pagani M** and Gardner A. SPECT and psychiatry – An insight into functional imaging of Major Depression and Post Traumatic Stress Disorder. **Neuroscience Imaging** 2007; 2: 21-52

15. Kovalev VA, Thurfjell L, Lundqvist R and **Pagani M**. Asymmetry of SPECT Perfusion Image Patterns as a Diagnostic Feature for Alzheimer's Disease. **Medical Image Computing and Computer-Assisted Intervention - MICCAI 2006**; 9: 421-428
16. **Pagani M**, Salmaso D and Borbely K. Optimisation of statistical methodologies for a better diagnosis of neurological and psychiatric disorders by means of SPECT. **Nuclear Medicine Review 2005**; 8:140-149
17. Gardner A and **Pagani M**. A review of SPECT in neuropsychiatric disorders: neurobiological background, methodology, findings and future perspectives. **Alasbinn Journal 2003**; 5: 1-41
18. Kovalev V, Thurfjell L, Lundqvist R and **Pagani M**. Classification of SPECT Scans of Alzheimer's Disease and Frontal Lobe Dementia based on intensity and gradient information. **Medical Image Understanding and Analysis - MIUA 1999**: 69-72
19. Lundqvist R, Thurfjell L, **Pagani M**, Jacobsson H, Jonsson C, Larsson SA, Wägner A, Bengtsson. Classification of functional patterns in SPECT brain scans based on partial least square analysis. **Scandinavian Conference of Image Analysis - SCIA 1999**: 375-381
20. **Pagani M**, Jacobsson H, Ansjon R, Lind F, Jonsson C, Uusijarvi J, Sumen G and Larsson SA. Comparison between near infrared oxymetry and 99m-Tc-HMPAO uptake in resting peripheral muscle under normobaric normoxia and hypobaric hypoxia. **SPIE 1997**; 3194: 151-158

PHILOSOPHICAL DOCTORAL THESIS

Pagani M. Advances in Brain SPECT. Methodological and Human Investigation.
Philosophical Doctoral Thesis, Karolinska Institute, Stockholm, Sweden, **2000**

BOOKS EDITED

Pagani M, Carletto S (Eds). Il Cervello che cambia - Neuroimaging: il contributo alle neuroscienze. Milano-Udine; MIMESIS/Clinica del trauma e della dissociazione. **2019**

BOOK CHAPTERS

1. **Pagani M**, Porcaro C, Carletto S. Anatomofisiologia del Sistema Nervoso Centrale e metodologia di indagine per neuroimmagini. In Pagani M, Carletto S (Eds). **Il Cervello che cambia - Neuroimaging: il contributo alle neuroscienze.** Milano-Udine; MIMESIS/Clinica del trauma e della dissociazione. **2019**: 9-38
2. **Pagani M**, Cavallo M, Carletto S. Anatomopatologia dello Stress Post-traumatico e della resilienza. In Pagani M, Carletto S (Eds). **Il Cervello che cambia - Neuroimaging: il contributo alle neuroscienze.** Milano-Udine; MIMESIS/Clinica del trauma e della dissociazione. **2019**: 39-72
3. Settanta C, Giovinazzo L, Carletto S, **Pagani M**. I correlati neurobiologici dell'efficacia clinica e dei meccanismi di azione della terapia EMDR. In Pagani M, Carletto S (Eds). **Il Cervello che cambia - Neuroimaging: il contributo alle neuroscienze.** Milano-Udine; MIMESIS/Clinica del trauma e della dissociazione. **2019**: 97-126

4. **Pagani M**, Sani L. Neurobiological Foundations of EMDR Therapy. In Luber, Marilyn, ed. *Eye Movement Desensitization and Reprocessing (EMDR) Scripted Protocols and Summary Sheets: Treating Trauma in Somatic and Medical Related Conditions*, New York: Springer Publishing Company, **2019**; Preface XXIII- XXVI
5. **Pagani M**, Sani L. Neurobiological Foundations of EMDR Therapy. In Luber, Marilyn, ed. *Eye Movement Desensitization and Reprocessing (EMDR) Therapy - Scripted Protocols and Summary Sheets: Eating Disorders, Chronic Pain and Maladaptive Self-Care Behaviors*, New York: Springer Publishing Company, **2019**; Preface XXV- XXVIII
6. Carletto S, **Pagani M**. Corrélat neurobiologiques des traumatismes et de l'état de stress post-traumatique. In : Tarquinio C, Brennsthul M., Delluci H, Iracane M, Rydberg, J, Silvestre M & Zimmermann E (Eds). **Pratique de la psychothérapie EMDR**. Paris: Dunod. **2017**: 165-176
7. Carletto S, **Pagani M**. Corrélat neurobiologiques de la thérapie EMDR: résumé des études de neuro-imagerie fonctionnelle et structurelle. In: Tarquinio C, Brennsthul M., Delluci H, Iracane M, Rydberg, J, Silvestre M & Zimmermann E (Eds). **Pratique de la psychothérapie EMDR**. Paris: Dunod. **2017**: 219-234
8. Carletto S, **Pagani M**. Neurobiological impact of EMDR in cancer. In: Faretta E (Ed) **Trauma and illness: EMDR in psychoncology**. Milano-Udine: MIMESIS, **2015**: 49-64
9. Law I, Garibotto V, **Pagani M**. Imaging in Neurological and Vascular Brain Diseases (PET/CT). In: Fragoso Costa P, Vidovic B, Santos A (Eds) **Brain Imaging Technologist Guide**. Wien: EANM Publisher, **2015**: 72-91
10. Cavallo M, **Pagani M**. Neuroimmagini e neurobiologia dei disturbi alimentari. In: Balbo M (Ed) **EMDR e disturbi dell'alimentazione tra passato presente e futuro**. Firenze: Giunti, **2015**: 177-186
11. Carletto S, **Pagani M**. Impatto neurobiologico dell'EMDR nelle patologie oncologiche. In: Faretta E (Ed) **Trauma e malattia – L'EMDR in psiconcologia**. Milano-Udine: MIMESIS, **2014**: 53-68
12. **Pagani M**, Cavallo M. Neuroimaging in PTSD-related psychotherapies. In: Dierckx R, Otte A, de Vries E, van Waarde A (Eds) **PET and SPECT in Psychiatry**. Berlin Heidelberg: Springer Verlag, **2014**: 397-410
13. Darcourt J, Nobili F, Walker Z, Booij J, Hesse S, Nagren K, Payoux P, Tatsch K, **Pagani M**. Achievements in Neuroimaging during the past 25 years. In Bombardieri E & Frangos S (Eds) **Nuclear Medicine: fusing the ideas of Democritus and Hippocrates**. Wien: EANM Publisher, **2012**: 75-80

14. **Pagani M.** EMDR e cervello. Correlati funzionali e strutturali, in F. Bottaccioli (Ed) **Stress e Vita. La scienza dello stress e la scienza della salute alla luce della Psiconeuroendocrinoimmunologia.** Milano: Tecniche Nuove, **2012:** 433-439
15. **Pagani M.** Clinical applications of PET/CT in Neurology – Psychiatry. In: Testanera G & van den Broek WJM (Eds) **Principles and Practice of PET/CT – Part 2 A Technologist Guide.** Wien: EANM Publisher, **2011:** 146-149
16. Looi JCL, **Pagani M,** Nardo D, Raphael B, Wahlund LO. Structural and Functional Neuroimaging in PTSD: a Neurobiological Update. In: L Sher & A Vilens (Eds) **Neurobiology of Post-Traumatic Stress Disorder.** New York: Nova Science Publishers, **2010:** 1-20
17. Salmaso D, **Pagani M** and Gardner A. Networking rCBF gender differences in major depression. In: P Hernandez & S Alonso (Eds) **Women and Depression.** New York: Nova Science Publishers, **2009:** 235-255
18. Salmaso D, **Pagani M.** Il brain imaging nelle malattie degenerative e psichiatriche. In R Nicoletti, E Ladavas & P Tabossi (Eds) **Attenzione e Cognizione, Festschrift in onore di Carlo Umiltà.** Bologna: Il Mulino, **2008:** 83-92
19. Kovalev VA, Thurfjell L, Lundqvist R and **Pagani M.** Asymmetry of SPECT Perfusion Image Patterns as a Diagnostic Feature for Alzheimer's Disease. In: **Medical Image Computing and Computer-Assisted Intervention - MICCAI 2006; Lecture notes in Computer Science.** Berlin/Heidelberg: Springer, **2006:** 9: 421-428
20. **Pagani M,** Canfora M, Salmaso D. In: Introduzione all'analisi statistica delle immagini funzionali. In: P Guerra and F Nobili (Eds) **PET e SPECT in Neurologia,** 1st Edition. Bologna: Patron Editore, **2006:** 115-135
21. **Pagani M,** Thurfjell L, Jacobsson H. Clinical diagnosis: Frontal Lobe Dementia. In: RL Van Herten & RS Tikofski (Eds) **Functional Cerebral SPECT and PET imaging,** 3rd Edition. New York: Lippincot Williams & Wilkins, **2000:** 162-163

ARTICLES ON ITALIAN JOURNALS

1. **Pagani M.** Neurobiologia del trattamento del PTSD e della depressione maggiore: cosa ci dicono le neuroimmagini. **Gruppi 2017;** 17(1): 169-177
2. Trentini C, **Pagani M.** Effects of EMDR on neural processing of emotions in children with complex trauma: A hdEEG study. **Infanzia & Adolescenza Quaderni 2015;** 14(2): 135-150
3. **Pagani M.** Neuroimmagini funzionali: nuova frontiera della conoscenza dei processi neuro-degenerativi e psicoterapici. **Scienza e Società 2014:** 117-125
4. **Pagani M,** Carletto S. Ecco come cambia il cervello cambia dopo la psicoterapia. **PNEI News 2013;** 2:16-19
5. **Pagani M,** Ravagnan G and Salmaso D. Effetti dell'acclimatizzazione sulla circolazione cerebrale e sull'apprendimento. **Acqua e Aria 1997;** 5: 74-75

130 COMMUNICATIONS AT PEER REVIEWED INTERNATIONAL CONFERENCES