

Curriculum Vitae Giovanni Albani, MD

Via Reginetta Francioli 2 b- Vignone (Verbania) Italy,



Degree in Medicine and Surgery University of Pavia, Italy, in 1992 (Prof.M.Cazzola)

School of Neurophysiology Neurological National Institute “Casimiro Mondino” of Pavia, Italy, in 1997 (Dott.C.Pacchetti, Prof.E.Martignoni, Prof.G.Sandrini).

Visiting Researcher in Hospital Clinico (1990) and Bellvitge in Barcelona (Spain) (1992) (Prof.Eduardo Tolosa), and Neurologische Clinic University of Zurich, “Paul Sherrer Institute” Nuclear Medicine Centre in Villigen (Switzerland) (Prof.KL Leenders) and “Balgrist” Swiss Paraplegic Zentrum (Prof.Volker Dietz) in Zurich (from 1995 to 1997).

Chief of Service of Neurophysiology in Clinical Hospital “Beato Matteo” Vigevano, Italy (1998-2005).

Clinical Assistant and Senior Researcher Consultant of the Department of Neuroscience (Verbania-Piancavallo, Istituto Auxologico Italiano, IRCCS), (2000 to date).

Head of the Service of Neurophysiology of the Rehabilitation Clinical Hospital “Le Terrazze” in Cunardo-Varese (Italy) (2002 to date).

Fields of Interests: Neurorehabilitation, Movement Analysis, Peripheral Nervous System, Behavior Addictions, New Frontiers of MDS (microbiome, immunity system), to help who needs help in a creative and joyful way.

Teaching experience

As expert in movement disorders, peripheral nervous system , botulinum toxin use, and neurorehabilitation, He has participated and directed many continuing education in medicine courses affiliated with Istituto Auxologico Italiano.

From 2005 to 2008 He has been teacher of the Master of Neuropsychology (Catholic University of Milan, Italy) in the Movement Disorders Area.

In 2017 he has been occasional member of the academic board of the Utrecht University, in the defence of a Phd thesis.

Actually, He is in the teaching board of the the Master of Nursing of Neuroscience, University of Turin, Italy.

Patents

In a collaboration with a network including Telecom Italia, University of Parma, and Istituto Auxologico Italiano, IRCCS, He has achieved two international patents for the development of systems for the automatic evaluation of kinematic measures in the telemonitoring of Parkinson's disease patients.

Awards

Best Paper in the Human Brain Conference 2001 in Rome (Italy), held by the Nobel prizes Rita Levi Montalcini and Eric Kandel

Best paper in The Fourth International Conference on Smart Portable, Wearable, Implantable and Disability-oriented Devices and Systems, Barcelona, Spain SPWID 2018

Fondazione Alessi 2020, Course of Tango for Parkinson's disease patients

Scientific activity

His actual Google Scholar scientific profile is : 1624 Citations [H Index 21](#)

As expert in movement disorders, peripheral nervous system , botulinum toxin use, and neurorehabilitation, He has participated and directed many clinical trials.

He has been speaker in many national and international congress.

He is reviewer and in the Editorial Board of many scientific international journals.

SELECTED PUBMED CITED PUBLICATIONS IN INTERNATIONAL JOURNAL

1)Picillo M, Palladino R, Erro R, Alfano R, Colosimo C, Marconi R, Antonini A, Barone P; PRIAMO study group. The PRIAMO study: age- and sex-related relationship between prodromal constipation and disease phenotype in early Parkinson's disease. *J Neurol*. 2020 Aug 18. doi: 10.1007/s00415-020-10156-3. Online ahead of print.

2) Scarpina F, Tagini S, Rabuffetti M, **Albani G**, Garbarini F, Mauro A. Is bimanual interference affected in the case of a central proprioceptive loss? New insight from a left-brain-damaged single-case study. *Neuropsychology*. 2020 May;34(4):479-492.

3) Cistaro A, Quartuccio N, Piccardo A, Fania P, Spunton M, Liava A, Danesino C, **Albani G**, Guala A. ¹⁸F-fluorodexyglucose Position Emission Tomography identifies altered brain metabolism in patients with Cri du Chat syndrome. *J Nucl Med*. 2019 Dec 13.

4)**Albani G**, Ferraris C, Nerino R, Chimienti A, Pettiti G, Parisi F, Ferrari G, Cau N, Cimolin V, Azzaro C, Priano L, Mauro A. An Integrated Multi-Sensor Approach for the Remote Monitoring of Parkinson's Disease. *Sensors* . 2019 Nov 2;19(21).

5) Peppe A, Paravati S, Baldassarre M, Bakdounes L, Guiotto A, Pavadan D, Sawacha Z, Clerici D, Bottino S, Cau N, Mauro A, Avenali M, **Albani G**, Sandrini G, Tassorelli C. Proprioceptive Focal

Stimulation (Equistasi®) may improve the quality of gait in middle-moderate Parkinson's disease patients. Double-blind, double-dummy, randomized, crossover, Italian Multicentric study. *Frontiers in Neurology*, section Neurorehabilitation, 2019 Sep 18;10:998

6) Priano L, Bigoni M, **Albani G**, Sellitti L, Giacomotti E, Picconi R, Cremascoli R, Zibetti M, Lopiano L, Mauro A. Sleep microstructure in Parkinson's disease: cycling alternating pattern (CAP) as a sensitive marker of early NREM sleep instability. *Sleep Med*. 2019 Apr 20

7) Spunton M, Guala A, Liverani ME, Medolago L, Tognon F, Casado F, Del Valle M, Porras J, Larrea I, Porta G, **Albani G**, Nevado J, Danesino C. Skin picking disorder in 97 Italian and Spanish Cri du chat patients. *Am J Med Genet A*. 2019 Jun 12

8) Serio F, Minosa C, De Luca M, Conte P, **Albani G**, Peppe A. Focal Vibration Training (Equistasi®) to Improve Posture Stability. A Retrospective Study in Parkinson's Disease. *Sensors*. 2019 May 7;19(9).

9) **Albani G**, Veneziano G, Lunardon C, Vinci C, Daniele A, Cossa F, Mauro A. Feasibility of home exercises to enhance the benefits of tango dancing in people with Parkinson's disease. *Complement Ther Med*. 2019 Feb;42:233-239.

10) A self-managed system for automated assessment of UPDRS upper limb tasks in Parkinson's Disease. Ferraris C, Nerino R, Chimienti A, Pettiti G, Cau N, Cimolin V, Azzaro C, **Albani G** Priano L, Mauro A. *Sensors*, 2018 Oct 18;18(10)

11) Scarpina F, Mauro A, D'Aniello GE, **Albani G**, Castelnuovo G, Ambiel E, MacPherson SE. Cognitive Estimation in Non-demented Parkinson's Disease. *Arch Clin Neuropsychol*. 2017 Mar 10:1-10.

12) Pedroli E, Padula P, Guala A, Meardi MT, Riva G, **Albani G**. A Psychometric Tool for a Virtual Reality Rehabilitation Approach for Dyslexia. *Comput Math Methods Med*. 2017; Feb 13.

13) Scarpina F, Ambiel E, **Albani G**, Pradotto LG, Mauro A. Utility of Boston Qualitative Scoring System for Rey-Osterrieth Complex Figure: evidence from a Parkinson's diseases sample. *Neurol Sci*. 2016 Jun 14

14) Giuberti M, Ferrari G, Contin L, Cimolin V, Azzaro C, **Albani G**, Mauro A. Automatic UPDRS Evaluation in the Sit-to-Stand Task of Parkinsonians: Kinematic Analysis and Comparative Outlook on the Leg Agility Task. *IEEE J Biomed Health Inform*. 2015 Apr 22.

15) **Albani G**, Pedroli E, Cipresso P, Bulla D, Cimolin V, Thomas A, Mauro A, Riva A. Visual Hallucinations as incidental negative effects of Virtual Reality on Parkinson's disease patients: a link with neurodegeneration? *Parkinson's disease* 2015, May 10.

16) D'Aniello GE, Scarpina F, **Albani G**, Castelnuovo G, Mauro A. Disentangling the relationship between cognitive estimation abilities and executive functions: a study on patients with Parkinson's disease. *Neurol Sci*. 2015 Mar 20.

17) Cipresso P, **Albani G**, Serino S, Pedroli E, Pallavicini F, Mauro A, Riva G. Virtual multiple errand test (VMET): a virtual reality based tool to detect early executive functions

deficit in Parkinson's disease. *Front Behav Neurosci*. Dec 5;8:405., 2014

18) **Albani G**, Cimolin V, Fasano A, Trotti C, Galli M, Mauro A
Masters and Servants in Parkinsonian Gait: a Three-Dimensional Analysis of Biomechanical Changes Sensitive to Disease Progression. *Functional Neurology*. 2014 Apr-Jun;29(2):99-105.

19) Cipresso P, Serino S, Gaggioli A, **Albani G**, Riva G.
Contactless Bio-behavioral Technologies for Virtual Reality.
Stud Health Technol Inform. 2013;191:149-53.

20) Pedroli E, Cipresso P, Serino S, Pallavicini F, **Albani G**, Riva G.
Virtual multiple errands test: reliability, usability and possible applications.
Stud Health Technol Inform. 2013;191:38-42.

21) Cipresso P, Paglia FL, Cascia CL, Riva G, **Albani G**, La Barbera D.
Break in volition: a virtual reality study in patients with obsessive-compulsive disorder.
Exp Brain Res. 2013 Sep;229(3):443-9.

22) Cipresso P, Serino S, Villani D, Repetto C, Sellitti L, **Albani G**, Mauro A, Giaggioli A, Riva G.
Is your phone so smart to affect your state? An exploratory study based on psychophysiological measures. *Neurocomputing*:2012 vol:84 pag:23 -30

23) **Albani G**, Cipresso P, Gaggioli A, Serino S, Vigna C, Priano L, Mauro A, Franzini A, Riva G.
Virtual help for real surgery: the case of awake surgery. *Stud Health Technol Inform*. 2012;173:13-5.

24) Mangiacavalli S, **Albani G**, Caravita T, Cocito F, Pascutto C, Zappasodi P, Bringhen S, Palumbo A, Cazzola M, Corso A
Similar neurotoxicity of an alternating compared to a continuous low-dose schedule of thalidomide for relapsed/refractory multiple myeloma. *Leuk Lymphoma*. 2012 Mar;53(3):514-5.

25) Marconi R, Antonini A, Barone P, Colosimo C, Avarello TP, Bottacchi E, Cannas A, Ceravolo MG, Ceravolo R, Cicarelli G, Gaglio RM, Giglia L, Iemolo F, Manfredi M, Meco G, Nicoletti A, Pederzoli M, Petrone A, Pisani A, Pontieri FE, Quatrone R, Ramat S, Scala R, Volpe G, Zappulla S, Bentivoglio AR, Stocchi F, Trianni G, Del Dotto P, De Gaspari D, Grasso L, Morgante F, Santangelo G, Fabbrini G, Morgante L; **PRIAMO study group**.
Frontal assessment battery scores and non-motor symptoms in parkinsonian disorders. *Neurol Sci*. 2012 Jun;33(3):585-93. Epub 2011 Nov 3.

26) **Albani G**, El Assawy N, Cattaldo S, De Gennaro M, Gregorini F, Pradotto L, Mauro A.
Electrogastrographic activity in Parkinson's disease patients with and without motor fluctuations
Mov Disord. 2011 Aug 1;26(9):1737-40.

27) **Albani G**, Raspelli S, Carelli L, Priano L, Pignatti R, Morganti F, Gaggioli A, Weiss PL, Kizony R, Katz N, Mauro A, Riva G.
Sleep dysfunctions influence decision making in undemented Parkinson's disease patients: a study in a virtual supermarket. *Stud Health Technol Inform*. 2011;163:8-10

28) **Albani G**, Cimolin V, Galli M, Vimercati S, Bar D, Campanelli L, Gandolfi R, Lombardi R, Mauro A.
Use of surface EMG for evaluation of upper limb spasticity during botulinum toxin therapy in stroke patients. *Funct Neurol*. 2010 Apr-Jun;25(2):103-109

- 29) **Albani G**, Raspelli S, Carelli L, Morganti F, Weiss PL, Kizony R, Katz N, Mauro A, Riva G. Executive functions in a virtual world: a study in Parkinson's disease. *Stud Health Technol Inform.* 2010;154:96.
- 30) Colosimo C, Morgante L, Antonini A, Barone P, Avarello TP, Bottacchi E, Cannas A, Ceravolo MG, Ceravolo R, Cicarelli G, Gaglio RM, Giglia L, Iemolo F, Manfredi M, Meco G, Nicoletti A, Pederzoli M, Petrone A, Pisani A, Pontieri FE, Quatralo R, Ramat S, Scala R, Volpe G, Zappulla S, Bentivoglio AR, Stocchi F, Trianni G, Del Dotto P, Simoni L, Marconi R; **PRIAMO STUDY GROUP**. Non-motor symptoms in atypical and secondary parkinsonism: the PRIAMO study. *J Neurol.* 2010 Jan;257(1):5-14.
- 31) Priano L, Giaccone G, Mangieri M, **Albani G**, Limido L, Brioschi A, Pradotto L, Orsi L, Mortara P, Fociani P, Mauro A, Tagliavini F. An atypical case of sporadic fatal insomnia. *J Neurol Neurosurg Psychiatry.* 2009 Aug;80(8):924-7.
- 32) **Albani G**, Riva G, Bulla D, Menegoni F, Pignatti R, Trotti C, Molinari E, Mauro A. Behaviour of motor disabilities and appearance of visual hallucinations in patients with Parkinson's disease in a virtual environment. *Stud Health Technol Inform.* 2009;144:204-7.
- 33) Menegoni F, **Albani G**, Bigoni M, Priano L, Trotti C, Galli M, Mauro A. Walking in an immersive virtual reality. *Stud Health Technol Inform.* 2009;144:72-6.
- 34) Barone P, Antonini A, Colosimo C, Marconi R, Morgante L, Avarello TP, Bottacchi E, Cannas A, Ceravolo G, Ceravolo R, Cicarelli G, Gaglio RM, Giglia RM, Iemolo F, Manfredi M, Meco G, Nicoletti A, Pederzoli M, Petrone A, Pisani A, Pontieri FE, Quatralo R, Ramat S, Scala R, Volpe G, Zappulla S, Bentivoglio AR, Stocchi F, Trianni G, Dotto PD; **PRIAMO study group**. The PRIAMO study: A multicenter assessment of nonmotor symptoms and their impact on quality of life in Parkinson's disease. *Mov Disord.* 2009 Aug 15;24(11):1641-9.
- 35) Santangelo G, Morgante L, Savica R, Marconi R, Grasso L, Antonini A, De Gaspari D, Ottaviani D, Tiple D, Simoni L, Barone P; **PRIAMO Study Group**. Anhedonia and cognitive impairment in Parkinson's disease: Italian validation of the Snaith-Hamilton Pleasure Scale and its application in the clinical routine practice during the PRIAMO study. *Parkinsonism Relat Disord.* 2009 Sep;15(8):576-81.
- 36) Ferrarin M, Rabuffetti M, Tettamanti M, Pignatti R, Mauro A, **Albani G**. Effect of optical flow versus attentional stimulation on gait in Parkinson's Disease: a study with a portable optical stimulating device. *J NeuroEng Rehabil* 2008 Jan 18;5:3
- 37) Giordana MT, D'Agostino C, **Albani G**, Mauro A, Di Fonzo A, Antonini A, Bonifati V. Neuropathology of Parkinson's disease associated with the LRRK2 Ile1371Val mutation. *Mov Disord.* 2007 Jan 15;22(2):275-8.
- 38) Pignatti R, Bertella L, **Albani G**, Mauro A, Molinari E, Semenza C. Decision-making in obesity: a study using the Gambling Task. *Eat Weight Disord.* 2006 Sep;11(3):126-32.
- 39) Onofrij M, Bonanni L, **Albani G**, Mauro A, Bulla D, Thomas A. Visual hallucinations in Parkinson's disease: clues to separate origins. *J Neurol Sci.* 2006 Oct 25;248(1-2):143-50. Epub 2006 Jun 23. Review.

- 40)**Albani G**, Ravaglia S, Cavagna L, Caporali R, Montecucco C, Mauro A. Clinical and electrophysiological evaluation of peripheral neuropathy in rheumatoid arthritis. *J Peripher Nerv Syst*. 2006 Jun;11(2):174-5.
- 41)Di Fonzo A, Tassorelli C, De Mari M, Chien HF, Ferreira J, Rohe CF, Riboldazzi G, Antonini A, **Albani G**, Mauro A, Marconi R, Abbruzzese G, Lopiano L, Fincati E, Guidi M, Marini P, Stocchi F, Onofri M, Toni V, Tinazzi M, Fabbrini G, Lamberti P, Vanacore N, Meco G, Leitner P, Uitti RJ, Wszolek ZK, Gasser T, Simons EJ, Breedveld GJ, Goldwurm S, Pezzoli G, Sampaio C, Barbosa E, Martignoni E, Oostra BA, Bonifati V; Italian Parkinson's Genetics Network. Comprehensive analysis of the LRRK2 gene in sixty families with Parkinson's disease. *Eur J Hum Genet*. 2006 Mar;14(3):322-31.
- 42)**Albani G**, Petroni ML, Mauro A, Liuzzi A, Lezzi G, Verti B, Marzullo P, Cattani L. Safety and efficacy of therapy with botulinum toxin in obesity: a pilot study. *J Gastroenterol*. 2005 Aug;40(8):833-5.
- 43)Priano L, **Albani G**, Brioschi A, Calderoni S, Lopiano L, Rizzone M, Cavalli R, Gasco MR, Scaglione F, Fraschini F, Bergamasco B, Mauro A. Transdermal apomorphine permeation from microemulsions: a new treatment in Parkinson's disease. *Mov Disord*. 2004 Aug;19(8):937-42.
- 44)**Albani G**, Sandrini G, Kunig G, Martin-Soelch C, Mauro A, Pignatti R, Pacchetti C, Dietz V, Leenders KL. Differences in the EMG pattern of leg muscle activation during locomotion in Parkinson's disease. *Funct Neurol*. 2003 Jul-Sep;18(3):165-70.
- 45)**Albani G**, Priano L, Campanelli L, Pignatti R, Liuzzi A, Galloti P, Mauro A. Carpal tunnel syndrome and oral contraceptive drugs: risk or protective factor? *J Peripher Nerv Syst*. 2003 Dec;8(4):207-8.
- 46)Petroni ML, **Albani G**, Bicchiega V, Baudo S, Vinci C, Montesano A, Izzo G, Bertocco P, Mazzotta S, Zorzetto E, Balzola F, Mauro A. Body composition in advanced-stage Parkinson's disease. *Acta Diabetol*. 2003 Oct;40 Suppl 1:S187-90.
- 47)Priano L, **Albani G**, Brioschi A, Guastamacchia G, Calderoni S, Lopiano L, Rizzone M, Cavalli R, Gasco MR, Fraschini F, Bergamasco B, Mauro A. Nocturnal anomalous movement reduction and sleep microstructure analysis in parkinsonian patients during 1-night transdermal apomorphine treatment. *Neurol Sci*. 2003 Oct;24(3):2078.
- 48)Priano L, **Albani G**, Calderoni S, Baudo S, Lopiano L, Rizzone M, Astolfi V, Cavalli R, Gasco MR, Fraschini F, Bergamasco B, Mauro A. Controlled-release transdermal apomorphine treatment for motor fluctuations in Parkinson's disease. *Neurol Sci*. 2002 Sep;23 Suppl 2:S99-100.
- 49)**Albani G**, Pignatti R, Bertella L, Priano L, Semenza C, Molinari E, Riva G, Mauro A. Common daily activities in the virtual environment: a preliminary study in parkinsonian patients. *Neurol Sci*. 2002 Sep;23 Suppl 2:S49-50.

50) Bertella L, **Albani G**, Greco E, Priano L, Mauro A, Marchi S, Bulla D, Semenza C. Noun verb dissociation in Parkinson's disease. *Brain Cogn.* 2002 Mar-Apr;48(2-3):277-80.

51) **Albani G**, Bulgheroni MV, Mancini F, Mauro A, Fundaro C, Pacchetti C, Sandrini G, Nappi G. The position of the head in space: a kinematic analysis in patients with cervical dystonia treated with botulinum toxin. *Funct Neurol.* 2001 Apr-Jun;16(2):135-41.

52) **Albani G**, Kunig G, Soelch CM, Mauro A, Priano L, Martignoni E, Leenders KL. The role of language areas in motor control dysfunction in Parkinson's disease. *Neurol Sci.* 2001 Feb;22(1):43-4.

53) **Albani G**, Giardini G, Bar D, Abba R, Gallotti P. What is the role of the electromyographic test exactly? *Minerva Med.* 1999 Jan-Feb;90(1-2):49-50.

54) Albani C, **Albani G**. Severe necrosis during treatment with interferon beta-1b *Minerva Med.* 1997 Jun;88(6):271-2.

55) Albani C, **Albani G**. A case of cutaneous necrosis during interferon-beta 1b (B-IFN) therapy in multiple sclerosis. *J Neurol Neurosurg Psychiatry.* 1997 Apr;62(4):418.

56) Martignoni E, Godi L, Pacchetti C, Berardesca E, Vignoli GP, **Albani G**, Mancini F, Nappi G. Is seborrhea a sign of autonomic impairment in Parkinson's disease? *J Neural Transm.* 1997;104(11-12):1295-304.

57) Martignoni E, Pacchetti C, Aufdembrinke B, Godi L, **Albani G**, Mancini F, Nappi G. Terguride in stable Parkinson's disease. *Funct Neurol.* 1995 May-Jun;10(3):143-6.

58) Pacchetti C, **Albani G**, Martignoni E, Godi L, Alfonsi E, Nappi G. "Off" painful dystonia in Parkinson's disease treated with botulinum toxin. *Mov Disord.* 1995 May;10(3):333-6.

Editor Special Research Topics

- [Cognition and Sleep in Parkinson's disease. Frontiers in Neurology, 2012](#)
- [Role of Diet, Physical Activity and Immune System in Parkinson's Disease. Frontiers in Neurology, in press](#)

Scientific Documentary and DVD

He has participated to the documentary about Parkinson's disease "SWIM FOR GOOD" produced by University of Munchen (Germany)



and the documentary “Tango della Vita” , directed by Erica Liffredo



He produced the first manual of Tangotherapy for Parkinson’s disease, presented At the Movement Disorders Society Conference in Buenos Aires, 2010

