



Curriculum vitae – Dr. Christian Geroin, Ph.D.

Date of born: 19/09/1986

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Education

- 2020-today Post-doc Fellow (MED/48), at the Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona.
- 13/01/2020 National scientific habilitation as associate professor (06/N1, Scienze delle Professioni Sanitarie e delle Tecnologie Mediche Applicate, Fascia II).
- 1/06/2016 Post-doc fellow at the Radboud University Medical Center, Donders Institute for Brain, Cognition and Behaviour, Department of Neurology, Nijmegen, Holland.
- 03-05-2016 Ph.D. in Neuroscience, Department of Neuroscience, Biomedicine and Movement Sciences, University of Verona, Italy. Certification of Doctor Europaeus, as regulated by the Confederation of European Union Rectors' Conference and the European Universities Association.
- 2010-2012 Health and Rehabilitation Profession Sciences Degree (M.Sc.) summa cum laude (110/110 e lode), obtained at the Faculty of Medicine, University of Verona, Italy
- 2009 Bachelor of Science in Physiotherapy (BSc), University of Verona, Faculty of Medicine.

RESEARCH ACTIVITY

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SCOPUS

- Documents by author: 37
- Total citations: 708
- H-Index: 14

DOCTORAL THESIS

- **Geroin C.** Neurophysiological and biomechanical investigations of postural disorders in patients with Parkinson disease: implications for rehabilitation. ISBN: 978-88-6925-056-9.

RESEARCH ARTICLES

1. Tinazzi M, Morgante F, Marcuzzo E, Erro R, Barone P, Ceravolo R, Mazzucchi S, Pilotto A, Padovani A, Romito LM, Eleopra R, Zappia M, Nicoletti A, Dallochio C, Arbasino C, Bono F, Pascarella A, Demartini B, Gambini O, Modugno N, Olivola E, Di Stefano V, Albanese A, Ferrazzano G, Tessitore A, Zibetti M, Calandra-Buonaura G, Petracca M, Esposito M, Pisani A, Manganotti P, Stocchi F, Coletti Moja M, Antonini A, Defazio G, **Geroiin C**. Clinical Correlates of Functional Motor Disorders: An Italian Multicenter Study. *Mov Disord Clin Pract*. 2020 Sep 22;7(8):920-929.
2. **Geroiin C**, Di Vico IA, Squintani G, Segatti A, Bovi T, Tinazzi M. Effects of safinamide on pain in Parkinson's disease with motor fluctuations: an exploratory study. *J Neural Transm (Vienna)*. 2020 Aug;127(8):1143-1152.
3. **Geroiin C**, Artusi CA, Gandolfi M, Zanolin E, Ceravolo R, Capecchi M, Andrenelli E, Ceravolo MG, Bonanni L, Onofrj M, Telese R, Bellavita G, Catalan M, Manganotti P, Mazzucchi S, Giannoni S, Vacca L, Stocchi F, Casali M, Falup-Pecurariu C, Zibetti M, Fasano A, Lopiano L, Tinazzi M. Does the Degree of Trunk Bending Predict Patient Disability, Motor Impairment, Falls, and Back Pain in Parkinson's Disease? *Front Neurol*. 2020 Mar 31;11:207.
4. Magrinelli F, **Geroiin C**, Squintani G, Gandolfi M, Rizzo G, Barillari M, Vattei G, Morgante F, Tinazzi M. Upper camptocormia in Parkinson's disease: Neurophysiological and imaging findings of both central and peripheral pathophysiological mechanisms. *Parkinsonism Relat Disord*. 2020 Feb;71:28-34.
5. Gandolfi M, Valè N, Dimitrova E, Zanolin ME, Mattiuz N, Battistuzzi E, Beccari M, **Geroiin C**, Picelli A, Waldner A, Smania N. Robot-Assisted Stair Climbing Training on Postural Control and Sensory Integration Processes in Chronic Post-stroke Patients: A Randomized Controlled Clinical Trial. *Front Neurosci*. 2019 Oct 24;13:1143.
6. Tinazzi M, Gandolfi M, Artusi CA, Lanzafame R, Zanolin E, Ceravolo R, Capecchi M, Andrenelli E, Ceravolo MG, Bonanni L, Onofrj M, Telese R, Bertolotti C, Polverino P, Manganotti P, Mazzucchi S, Giannoni S, Vacca L, Stocchi F, Casali M, Zibetti M, Lopiano L, Fasano A, **Geroiin C**. Validity of the wall goniometer as a screening tool to detect postural abnormalities in Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Dec;69:159-165.
7. Tinazzi M, Gandolfi M, Ceravolo R, Capecchi M, Andrenelli E, Ceravolo MG, Bonanni L, Onofrj M, Vitale M, Catalan M, Polverino P, Bertolotti C, Mazzucchi S, Giannoni S, Smania N, Tamburin S, Vacca L, Stocchi F, Radicati FG, Artusi CA, Zibetti M, Lopiano L, Fasano A, **Geroiin C**. Postural Abnormalities in Parkinson's Disease: An Epidemiological and Clinical Multicenter Study. *Mov Disord Clin Pract*. 2019 Jun 29;6(7):576-585.
8. **Geroiin C**, Gandolfi M, Maddalena I, Smania N, Tinazzi M. Do Upper and Lower Camptocormias Affect Gait and Postural Control in Patients with Parkinson's Disease? An Observational Cross-Sectional Study. *Parkinsons Dis*. 2019 Jul 24;2019:9026890.
9. Gandolfi M, Tinazzi M, Magrinelli F, Busselli G, Dimitrova E, Polo N, Manganotti P, Fasano A, Smania N, **Geroiin C**. Four-week trunk-specific exercise program decreases forward trunk flexion in Parkinson's disease: A single-blinded, randomized controlled trial. *Parkinsonism Relat Disord*. 2019 Jul;64:268-274.
10. **Geroiin C**, Tamburin S, Pagano G, Gandolfi M, Tinazzi M. Effects of a nutraceutical combination in patients with chronic lumbosacral radicular pain. *Funct Neurol*. 2018 Jul/Sept;33(3):125-130.

11. **Geroiin C**, Nonnekes J, de Vries NM, Strouwen C, Smania N, Tinazzi M, Nieuwboer A, Bloem BR. Does dual-task training improve spatiotemporal gait parameters in Parkinson's disease? *Parkinsonism Relat Disord*. 2018 Oct;55:86-91.
12. Gandolfi M, Formaggio E, **Geroiin C**, Storti SF, Boscolo Galazzo I, Bortolami M, Saltuari L, Picelli A, Waldner A, Manganotti P, Smania N. Quantification of Upper Limb Motor Recovery and EEG Power Changes after Robot-Assisted Bilateral Arm Training in Chronic Stroke Patients: A Prospective Pilot Study. *Neural Plast*. 2018 Mar 26;2018:8105480.
13. Erro R, Bacchin R, Magrinelli F, Tomei P, **Geroiin C**, Squintani G, Lupo A, Zaza G, Tinazzi M. Tremor induced by Calcineurin inhibitor immunosuppression: a single-centre observational study in kidney transplanted patients. *J Neurol*. 2018 Jul;265(7):1676-1683.
14. Fasano A, **Geroiin C**, Berardelli A, Bloem BR, Espay AJ, Hallett M, Lang AE, Tinazzi M. Diagnostic criteria for camptocormia in Parkinson's disease: A consensus-based proposal. *Parkinsonism Relat Disord*. 2018 Aug;53:53-57.
15. Gandolfi M, **Geroiin C**, Dimitrova E, Boldrini P, Waldner A, Bonadiman S, Picelli A, Regazzo S, Stirbu E, Primon D, Bosello C, Gravina AR, Peron L, Trevisan M, Garcia AC, Menel A, Bloccari L, Valè N, Saltuari L, Tinazzi M, Smania N. Virtual Reality Telerehabilitation for Postural Instability in Parkinson's Disease: A Multicenter, Single-Blind, Randomized, Controlled Trial. *Biomed Res Int*. 2017;2017:7962826.
16. **Geroiin C**, Squintani G, Morini A, Donato F, Smania N, Gandolfi MG, Tamburin S, Fasano A, Tinazzi M. Pisa syndrome in Parkinson's disease: electromyographic quantification of paraspinal and non-paraspinal muscle activity. *Funct Neurol*. 2017 Jul/Sep;32(3):143-151.
17. Gandolfi M, **Geroiin C**, Antonini A, Smania N, Tinazzi M. Understanding and Treating Pain Syndromes in Parkinson's Disease. *Int Rev Neurobiol*. 2017;134:827-858.
18. Gandolfi M, **Geroiin C**, Valè N, Marchioretto F, Turrina A, Dimitrova E, Tamburin S, Serina A, Castellazzi P, Meschieri A, Ricard F, Saltuari L, Picelli A, Smania N. Does myofascial and trigger point treatment reduce pain and analgesic intake in patients undergoing OnabotulinumtoxinA injection due to chronic intractable migraine? A pilot, single-blind randomized controlled trial. *Eur J Phys Rehabil Med*. 2017 Jul 27.
19. Gandolfi M, **Geroiin C**, Waldner A, Maddalena I, Dimitrova EK, Picelli A, Smania N, Tomelleri C. Feasibility and safety of early lower limb robot-assisted training in sub-acute stroke patients: a pilot study. *Eur J Phys Rehabil Med*. 2017 Jan 12.
20. Tinazzi M, **Geroiin C**, Gandolfi M, Smania N, Tamburin S, Morgante F, Fasano A. Pisa syndrome in Parkinson's disease: An integrated approach from pathophysiology to management. *Mov Disord*. 2016 Dec;31(12):1785-1795.
21. Gandolfi M, **Geroiin C**, Ferrari F, LA Marchina E, Varalta V, Fonte C, Picelli A, Dimitrova E, Munari D, Valè N, Waldner A, Smania N. Rehabilitation procedures in the management of postural orientation deficits in patients with poststroke pusher behavior: a pilot study. *Minerva Med*. 2016 Dec;107(6):353-362.
22. **Geroiin C**, Gandolfi M, Bruno V, Smania N, Tinazzi M. Integrated Approach for Pain Management in Parkinson Disease. *Curr Neurol Neurosci Rep*. 2016 Apr;16(4):28. doi: 10.1007/s11910-016-0628-7.
23. **Geroiin C**, Smania N, Schena F, Dimitrova E, Verzini E, Bombieri F, Nardello F, Tinazzi M, Gandolfi M. Does the Pisa syndrome affect postural control, balance, and gait in patients with Parkinson's

disease? An observational cross-sectional study. *Parkinsonism Relat Disord*. 2015 Jul;21(7):736-41.

24. Tinazzi M, Fasano A, **Geroiin C**, Morgante F, Ceravolo R, Rossi S, Thomas A, Fabbrini G, Bentivoglio A, Tamma F, Cossu G, Modugno N, Zappia M, Volontè MA, Dallochio C, Abbruzzese G, Pacchetti C, Marconi R, Defazio G, Canesi M, Cannas A, Pisani A, Mirandola R, Barone P, Vitale C; Italian Pisa Syndrome Study Group. Pisa syndrome in Parkinson disease: An observational multicenter Italian study. *Neurology*. 2015 Oct 21.
25. Gandolfi M, Dimitrova E, Nicolli F, Modenese A, Serina A, Andreas Waldner A, Tinazzi M, Squintani G, Smania N, **Geroiin C**. Rehabilitation procedures in the management of gait disorders in the elderly. *Minerva Med*. 2015 Oct 27.
26. Gandolfi M, Munari D, **Geroiin C**, Gajofatto A, Benedetti MD, Midiri A, Carla F, Picelli A, Waldner A, Smania N. Sensory integration balance training in patients with multiple sclerosis: A randomized, controlled trial. *Mult Scler*. 2015Oct;21(11):1453-62. doi: 10.1177/1352458514562438.
27. Gandolfi M, Formaggio E, **Geroiin C**, Storti SF, Boscolo Galazzo I, Waldner A, Manganotti P, Smania N. Electroencephalographic Changes of Brain Oscillatory Activity After Upper Limb Somatic Sensation Training in a Patient With Somatosensory Deficit After Stroke. *CLINICAL EEG and NEUROSCIENCE* 2014. ISSN: 1550-0594.
28. Gandolfi M, **Geroiin C**, Picelli A, Munari D, Waldner A, Tamburin S, Marchioretto F, Smania N. Robot-assisted vs. sensory integration training in treating gait and balance dysfunctions in patients with multiple sclerosis: a randomized controlled trial. *FRONTIERS IN HUMAN NEUROSCIENCE*. 2014. 22;8:318. ISSN: 1662-5161. doi: 10.3389/fnhum.2014.00318.
29. Formaggio E, Storti SF, Boscolo Galazzo I, Gandolfi M, **Geroiin C**, Smania N, Fiaschi A, Manganotti P. Time-Frequency Modulation of ERD and EEG Coherence in Robot-Assisted Hand Performance. *BRAIN TOPOGRAPHY* 2014. 17. ISSN: 0896-0267.
30. **Geroiin C**, Mazzoleni S, Smania N, Gandolfi M, Bonaiuti D, Gasperini G, Sale P, Munari D, Waldner A, Spidalieri R, Bovolenta F, Picelli A, Posteraro F, Molteni F, Franceschini M; **Italian Robotic Neurorehabilitation Research Group**. Systematic review of outcome measures of walking training using electromechanical and robotic devices in patients with stroke. *JOURNAL OF REHABILITATION MEDICINE* 2013; 45(10):987-96. ISSN: 1650-1977. doi: 10.2340/16501977-1234.
31. Formaggio E, Storti SF, Boscolo Galazzo I, Gandolfi M, **Geroiin C**, Smania N, Spezia L, Waldner A, Fiaschi A, Manganotti P. Modulation of event-related desynchronization in robot-assisted hand performance: brain oscillatory changes in active, passive and imagined movements. *JOURNAL OF NEUROENGINEERING AND REHABILITATION* 2013. 26;10:24. ISSN: 1743-0003 doi: 10.1186/1743-0003-10-24.
32. Smania N, Picelli A, **Geroiin C**, Munari D, Waldner A, Gandolfi M. Robot-assisted gait training in parkinson's disease. *NEURODEGENERATIVE DISEASE MANAGEMENT*. 2014. 22;8:318. ISSN: 1662-5161. doi: 10.3389/fnhum.2014.00318.
33. Smania N, Gandolfi M, Marconi V, Calanca A, **Geroiin C**, Piazza S, Bonetti P, Fiorini P, Cosentino A, Capelli C, Conte D, Bendinelli M, Munari D, Ianes P, Fiaschi A, Picelli A. Applicability of a new robotic walking aid in a patient with cerebral palsy. Case report. *EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE* 2012. 48(1):147-53. ISSN: 1973-9087.
34. **Geroiin C**, Picelli A, Munari D, Waldner A, Tomelleri C, Smania N. Combined transcranial direct current stimulation and robot-assisted gait training in patients with chronic stroke: a preliminary

comparison. CLINICAL REHABILITATION 2011 Jun;25(6):537-48. ISSN: 0269-2155, doi: 10.1177/0269215510389497.

35. Smania N, Bonetti P, Gandolfi M, Cosentino A, Waldner A, Hesse S, Werner C, Bisoffi G, **Geroiin C**, Munari D. Improved gait after repetitive locomotor training in children with cerebral palsy. AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION 2011. 90(2):137-49. ISSN: 1537-7385. Doi: 10.1097/PHM.0b013e318101741e
36. Smania N, Picelli A, Munari D, **Geroiin C**, Ianes P, Waldner A, Gandolfi M. Rehabilitation procedures in the management of spasticity. EUROPEAN JOURNAL OF PHYSICAL AND REHABILITATION MEDICINE 2010. 46(3):423-38. ISSN: 1973-9087.

NATIONAL AND INTERNATIONAL BOOK CHAPTERS

1. Sandrini, G.; Volker, H.; Saltuari, L.; Smania, N.; Pedrocchi, A.; Book: "Advanced Technologies for the Rehabilitation of Gait and Balance Disorders" (Publisher: Springer 2018). Chapter "Assessment of Balance Disorders". Pages 47-67. Gandolfi, M.; **Geroiin, C.**; Picelli, A.; Smania, N., Bartolo M; **SCOPUS:** 2-s2.0-85041617868
2. Sandrini, G.; Volker, H.; Saltuari, L.; Smania, N.; Pedrocchi, A.; Book: "Advanced Technologies for the Rehabilitation of Gait and Balance Disorders" (Publisher: Springer 2018). Chapter "The Assessment of Gait Disorders". Pages 69-82. **Geroiin, C.**; Zanga, C.; Gandolfi, M.; Smania, N., Pistarini, C.; **SCOPUS:** 2-s2.0-85041614072
3. Sandrini, G.; Volker, H.; Saltuari, L.; Smania, N.; Pedrocchi, A.; Book: "Advanced Technologies for the Rehabilitation of Gait and Balance Disorders" (Publisher: Springer 2018). Chapter "The End-Effector Device for Gait Rehabilitation". Pages 267-83. Smania, N.; **Geroiin, C.**; Valè, N.; Gandolfi, M.; **SCOPUS:** s2.0-85041567652
4. Gunel, M.K.; Book: "Different Areas of Physiotherapy" (Publisher: InTechOpen 2018). Chapter "Postural Control in Individuals with Parkinson's Disease". Pages 1-18. Gandolfi, M.; Valè, N.; Filippetti, M.; Dimitrova, E.K.; **Geroiin, C.**; Picelli, A., Smania, N.;
5. Lucca, L.F.; Pignolo, L.; Mazzoleni, S. Book: "La Robotica in neuroriabilitazione" (Publisher: PICCIN 2015). Chapter "Basi neurofisiologiche a support della robotica in riabilitazione". Pages 13-38. **Geroiin, C.**; Gandolfi, M.; Smania, N.
6. Lucca, L.F.; Pignolo, L.; Mazzoleni, S. Book: "La Robotica in neuroriabilitazione" (Publisher: PICCIN 2015). Chapter "I dispositivi robotici come strumenti di lavoro per il fisioterapista riabilitatore". Pages 171-193. **Geroiin, C.**; Martina, L.; Dimitrova, E.; Munari, D.;
7. Bartolo, M.; Sandrini, G.; Smania, N.; Book: "Metodologia della Riabilitazione" (Publisher: Verduci Editore 2014). Chapter "La Valutazione Strumentale in Riabilitazione". Pages 73-82. Gandolfi, M.; Smania, N.; Serina, A., Modenese, A., **Geroiin, C.**;
8. Iocco, M.; Molteni, F.; Rovere, G.; Book: "Spasticità e Riabilitazione" (Publisher: Edizioni Minerva Medica 2014). Chapter "La Stimolazione Elettrica Neuromuscolare". Pages 164-181. Smania, N.; Gandolfi, M.; Munari, D.; **Geroiin, C.**;
9. Abdul Qayyum Rana Book: "Diagnosis and treatment of Parkinson's disease" (Publisher: InTech 2011). Chapter "Balance and Gait Rehabilitation in Patients with Parkinson's disease". Pages 141-182. Smania, N.; Picelli, A.; **Geroiin, C.**; Ianes, P.; La Marchina, E.; Zenorini, A.; Gandolfi, M.;
10. **Geroiin C**, Daniele M, Smania N. (2010) Studio Randomizzato Controllato sugli Effetti del GangTrainer GT1 associato alla tDCS nei disturbi della deambulazione in pazienti con esiti di ictus cronico. "Progetto di valorizzazione delle tesi di laurea in Fisioterapia dei Poli Universitari del

triveneto anno 2009. Ricerca in Riabilitazione per la crescita professionale del fisioterapista".
PICCIN Padova 2010.

MEMBERSHIP

- Member of TSRM PSTRP of Verona, since 04/12/2018, n. 18/2018 (04/12/2018).
- Member of AIFI (n. 036582) and the Italian Society of Physiotherapy (SIF).
- Member of the International Parkinson and Movement Disorder Society.
- Member of LIMPE-DISMOV.

CLINICAL ACTIVITIES

Christian Geroin evaluates and treats patients affected by neurological and orthopedic disorders.

LANGUAGES


Italian: mother tongue.

English: fluent in speaking and writing.

French: basic.

Italy, Verona, December 1, 2020.

Dr. Christian Geroin

A handwritten signature in black ink that reads "Christian Geroin". The signature is written in a cursive, flowing style.