

Segreteria Sin

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Oggetto: Candidatura a Coordinatore del Gruppo di Studio "Digital technologies, web and social media"
Allegati: CV Agosto 2023.doc

Al Presidente della Società Italiana di Neurologia

Alla Segreteria della Società Italiana di Neurologia

Con la presente mi candido al rinnovo della carica di Coordinatore del Coordinatore del Gruppo di Studio "Digital technologies, web and social media". In allegato il mio CV come richiesto dal regolamento.

Luigi Lavorgna



Luigi Lavorgna

Date and place of birth: January 24, 1970 – Napoli, Italy

Address: via Cesario Console 3, 80132 Napoli

luigi.lavorgna@policliniconapoli.it

Current job

Neurologist - AOU - Università degli Studi della Campania "Luigi Vanvitelli"

Qualification

Specialist in Neurology, PhD in Neuroscience, AOU - Università degli Studi della Campania "Luigi Vanvitelli".

National Scientific Qualification to Associate Professor in Health professions sciences and applied medical technologies (MED 50)

Chair of the Study Group of the Italian Society of Neurology "Digital technologies, web and social media"

Bibliometric indexes

Number of articles: 114

H index (Scopus + Web of Science): 27

Citations (Scopus + Web of Science) last 15 years: 2160

Previous jobs

- from 2005 to 2009 Vice-President of Campania Digitale and Project Coordinator "Innovation and Communication Technology" - Presidency of the Campania Region - Department for technological innovation, research and technology transfer
- from 2005 to 2009 Member of the Board of Directors of the Company for the Right to University Study - Head of the computerization of Services - Università degli Studi L'Orientale
- from 2006 to 2008 Contract Professor of Neurological Rehabilitation - Faculty of Motor Sciences - Università degli Studi Parthenope di Napoli
- in 2012 Director of SMsocialnetwork, the first digital space entirely dedicated to people with Multiple Sclerosis.
- 2017/2018 Contract Professor at the Master "Digital health, web and social networks" - Università degli Studi della Campania "Luigi Vanvitelli"
- 2017/2018 Adjunct Professor of Neurology at the Degree Course in Nursing - Università degli Studi di Napoli Federico II
- 2022-2023 Contract Professor at "Charcot Multiple Sclerosis Management Master of Science" a cooperation project of the European Charcot Foundation and the University of Continuing Education of the TU Dresden, Dresden International University
- 2002-2023 Visiting Professor University Vita Salute San Raffaele – Milano
- 2023 Visiting Professor University of Turin

Research groups

- from March 2003 to December 2007 collaboration to the planning and carrying out of research projects based on the use of nonconventional magnetic resonance techniques with high magnetic field - II Clinica Neurologica – Seconda Università di Napoli, with 3 scientific productions.
- From 2015 to 2018 Member of the study group iMUST (Multiple Sclerosis Team Improving Skills and Competency) with 3 scientific productions
- from January 2018 to date Chair of the Study Group of the Italian Society of Neurology "Digital technologies, web and social media" with 11 scientific productions
- from January 2015 to January 2019 Scientific Director of the international project of Digital Health "Parenthood in MS" with 2 scientific productions

- from 12/2015 to date Scientific Director of the Digital Health project "Wearable device for remote monitoring of patients with Multiple Sclerosis" with 3 scientific productions
- from January 2021 to date Member of Board of Italian Consensus on Telerehabilitation (Istituto Superiore di Sanità)
- from May 2021 to date member of Scientific Board of Teleneuropsychology Group with ongoing scientif production
- from January 2022 member of European Reference Network for rare neurological diseases (RND) with ongoing scientif production

Awards for scientific activity

- 12/2015 National Women's Health Observatory Award at SMsocialnetwork, as an innovative project of excellence, an example of telemedicine. SMsocialnetork is a project entirely designed, directed and coordinated by the candidate to the qualification Dr. Luigi Lavorgna (as can be seen also from the scientific studies published and present in the list of publications)
- Novartis International award for the best Digital project in 2018 at the Onederful App for digital remote monitoring of vital signs recorded by a wearable device in patients with multiple sclerosis

Technology transfer

- 01/2018 Director of the Spin-off NeuroDigit - Università degli Studi della Campania "Luigi Vanvitelli" (Authorization 06/2018) with this activities: 1. Create new tools dedicated to research and development activities and production of services 2. Design and collaborate with local companies and institutions for the resolution of problems in the medical field 3. Promoting research activities and its dissemination, highlighting the web 4. Promoting participation in national and international research projects with collaborative and developmental aims, as well as that of create a bridge between public research and companies operating in the sector. NeuroDigit contributed to the publication of 10 studies.

Bibliography

P.B. Carrieri, V. Provitera, **L. Lavorgna**, R. Bruno. **Response of thalamic pain to lamotrigine**. Eur J Neurol, 5 (6): 625-626, 1998.

Lenzi GL, Di Piero V, Altieri M, Vanacore N, Bella R, Pennisi G, Orlandi G, Murri L, Baldassare M, Marini C, Carolei G, Gallai V, De Zanche L, Turrin M, Manara R, Meneghetti G, Carlucci G, Inzitari D, Chiodograndi F, Lagalla G, Provinciali L, Mutani R, **Lavorgna L**, Carrieri, PB. **SPASE-I: a multicenter observational study on pharmacological treatment of acute stroke in the elderly** Neurological Sciences 23, 1 , 23-28 APR 2002

G. Tedeschi, **L. Lavorgna**, P. Russo, A. Prinster, D. Dinacci, G. Savettieri, A. Quattrone, P. Livrea, C. Messina, A. Reggio, V. Bresciamorra. G. Orefice, M. Paciello, A. Brunetti, G. Coniglio, S. Bonavita, A. Di Costanzo, A. Bellicosa, P. Valentino, M. Quarantelli, F. Patti, G. Salemi, E. Cammarata, I.L. Simone, M. Salvatore, V. Bonavita, B. Alfano. **Brain atrophy an lesion load in a large population of patients with multiple sclerosis**. Neurology. 2005 Jul 26; 65 (2): 280-5

Bonavita S., Dinacci D., **Lavorgna L.**, Savettieri G., Quattrone A., Livrea P., Bresciamorra V., Orefice G., Paciello M., Coniglio G., Di Costanzo A., Valentino P., Patti F., Salemi G., Simone I., Tedeschi G. **Treatment of multiple sclerosis with interferon beta in clinical practice: 2-year follow-up data from the south Italy Mobile MRI Project**. Neurol Sci. 2006 Sep; 27 Suppl 5: S365-8

Tedeschi G, Dinacci D, **Lavorgna L**, Prinster A, Savettieri G, Quattrone A, Livrea P, Messina C, Reggio A, Servillo G, Bresciamorra V, Orefice G, Paciello M, Brunetti A, Paolillo A, Coniglio G, Bonavita S, Di Costanzo A, Bellacosa A, Valentino P, Quarantelli M, Patti F, Salemi G, Cammarata E, Simone I, Salvatore M, Bonavita V, Alfano B. **Correlation between fatigue and brain atrophy and lesion load in multiple sclerosis patients independent of disability**. J Neurol Sci. 2007 Dec 15;263(1-2):15-9. Epub

2007 Aug 1.

Tedeschi G., Dinacci D., Comerci M., **Lavorgna L.**, Savettieri G., Quattrone A., Livrea P. patti F., BresciaMorra V., Servillo G., Orefice G., Paciello M., Prinster A., Coniglio G., Bonavita S., Di Costanzo A., Bellicosa A., Valentino P., Quarantelli M., Brunetti A., Salemi G., D'Amelio M., Simone I., Salvatore M., Bonavita V., Alfano B. **Brain atrophy evolution and lesion load accrual in multiple sclerosis: a 2-year follow-up study.** Mult Scler. 2009 Feb; 15(2):204-11

Nocentini U., Tedeschi G., Migliaccio R., Dinacci D., **Lavorgna L.**, Bonavita S., Bresciamorra V., Comanducci G., Coniglio G., Livrea P., Mannu R., Orefice G., Paciello M., Patti F., Quattrone A., Salemi G., Savettieri G., Simone I., Valentino P., Zappia M., Bonavita V., Musicco M., Caltagirone C. **An exploration of anger phenomenology in multiple sclerosis.** European Journal of Neurology 2009 Jun 29; 1351-5101; ; Vol. 16 (12); Pagg. 1312-1317;7.

Dinacci D., Tessitore A., Russo A., De Bonis G., **Lavorgna L.**, Piconi O., Sacco R., Bonavita S., Gallo A., Servillo G., Marcuccio L., Comerci M., Galletti P., Alfano B., Tedeschi G. **BDNF Val66Met polymorphism and brain volumes in multiple sclerosis.** 2011 Neurol Sci; 1590-1874; ; Vol. 32(1); Pagg. 117-123

Bonavita S, Gallo A, Sacco R, Della Corte MD, Bisecco A, Docimo R, **Lavorgna L**, Corbo D, Costanzo AD, Tortora F, Cirillo M, Esposito F, Tedeschi G. **Distributed changes in default-mode resting-state connectivity in Multiple Sclerosis.** Mult Scler; 2011 Apr;17(4):411-22.

Lavorgna L, Bonavita S, Ippolito D, Lanzillo R, Salemi G, Patti F, Valentino P, Coniglio G, Buccafusca M, Paolicelli D, d'Ambrosio A, Bresciamorra V, Savettieri G, Zappia M, Alfano B, Gallo A, Simone I, Tedeschi G. **Clinical and magnetic resonance imaging predictors of disease progression in Multiple Sclerosis: a nine-year follow-up study.** Mult Scler; 2014 Feb;20(2):220-6

Bonavita S, Sacco R, Della Corte M, Esposito S, Sparaco M, d'Ambrosio A, Docimo R, Bisecco A, **Lavorgna L**, Corbo D, Cirillo S, Gallo A, Esposito F, Tedeschi G. **Computer-aided cognitive rehabilitation improves cognitive performances and induces brain functional connectivity changes in relapsing remitting multiple sclerosis patients: an exploratory study.** J Neurol. 2015 Jan;262(1):91-100.

F Patti, M De Stefano, **L Lavorgna**, S Messina, CG Chisari, D Ippolito, R Lanzillo, V Vacchiano, S Realmuto, P Valentino, P Montella, V Brescia Morra, G Savettieri, B Alfano, A Gallo, I Simone, R Viterbo, M Zappia, S Bonavita, G Tedeschi. **Lesion load may predict long-term cognitive dysfunction in multiple sclerosis patients.** PLoS ONE 01/2015; 10(3):e0120754.

Sacco R, Bisecco A, Corbo D, Della Corte M, d'Ambrosio A, Docimo R, Gallo A, Esposito F, Esposito S, Cirillo M, **Lavorgna L**, Tedeschi G, Bonavita S. **Cognitive impairment and memory disorders in relapsing-remitting multiple sclerosis: the role of white matter, gray matter and hippocampus.** J Neurol. 2015 May 10.

Tessitore A., Russo A., Conte F., Giordano A, De Stefano M., **Lavorgna L**, Corbo D., Caiazzo G., Esposito F, Tedeschi G. **Abnormal connectivity within executive resting-state network in migraine with aura.** Headache. 2015 Jun;55(6):794-805.

Sacco R, Santangelo G, Stamenova S, Bisecco A, Bonavita S, **Lavorgna L**, Trojano L, D'Ambrosio A, Tedeschi G, Gallo A. **Psychometric properties and validity of Beck Depression Inventory II in multiple sclerosis.** Eur J Neurol. 2016 Jan 19. doi: 10.1111/ene.12932.

Moccia M*, **Lavorgna L***, Lanzillo R, Brescia Morra V, Tedeschi G, Bonavita S. **The Dress: Transforming a web viral event into a scientific survey.** Multiple Sclerosis and Relate Disorders, Vol.

7, p41–46.

Conforti R, Cirillo M, Sardaro A, Caiazzo G, Negro A, Paccone A, Sacco R, Sparaco M, Gallo A, **Lavorgna L**, Tedeschi G, Cirillo S. **Dilated perivascular spaces and fatigue: is there a link? Magnetic resonance retrospective 3Tesla study.** Neuroradiology. 2016 Jul 16.

Santangelo G, Sacco R, Siciliano M, Bisecco A, Muzzo G, Docimo R, De Stefano M, Bonavita S, **Lavorgna L**, Tedeschi G, Trojano L, Gallo A. **Anxiety in Multiple Sclerosis: psychometric properties of the State-Trait Anxiety Inventory.** Acta Neurol Scand. 2016 Feb 1.

Bonavita S, Sacco R, Esposito S, d'Ambrosio A, Della Corte M, Corbo D, Docimo R, Gallo A, **Lavorgna L**, Cirillo M, Bisecco A, Esposito F, Tedeschi G. **Default mode network changes in multiple sclerosis: a link between depression and cognitive impairment?** Eur J Neurol. 2016 Sep 16.

Trojsi F, Siciliano M, Russo A, Passaniti C, Femiano C, Ferrantino T, De Liguoro S, **Lavorgna L**, Monsurrò MR, Tedeschi G, Santangelo G. **Theory of Mind and Its Neuropsychological and Quality of Life Correlates in the Early Stages of Amyotrophic Lateral Sclerosis.** Front Psychol. 2016 Dec 12.

Lavorgna L, Moccia M, Russo A, Palladino R, Riccio L, Lanzillo R, Brescia Morra V, Tedeschi G, Bonavita S. **Health-care disparities stemming from sexual orientation of Italian patients with Multiple Sclerosis: A cross-sectional web-based study.** Mult Scler Relat Disord. 2017 Apr;13:28-32.

Lavorgna L, Russo A, De Stefano M, Lanzillo R, Esposito S, Moshtari F, Rullani F, Piscopo K, Buonanno D, Brescia Morra V, Gallo A, Tedeschi G, Bonavita S. **Health-Related Coping and Social Interaction in People with Multiple Sclerosis Supported by a Social Network: Pilot Study With a New Methodological Approach.** Interact J Med Res. 2017 Jul 14;6(2):e10. doi: 10.2196/ijmr.7402. PMID: 28710056; PMCID: PMC5533941.

Lavorgna L, Esposito S, Ippolito D, Tedeschi G and Bonavita S. **A disease in the age of the web: how can help people with Multiple Sclerosis in social media interaction.** Mult Scler Relat Disord. 2017 Oct;17:238-239

Lavorgna L, Lanzillo R, Abbadessa G, Brescia Morra V, Tedeschi G and Bonavita S. **Social media and multiple sclerosis in the post-truth age.** Interactive Journal of Medical Research 2017 Sep 27;6(2):e18

Laroni A, Signori A, Maniscalco GT, Lanzillo R, Russo CV, Binello E, Lo Fermo S, Repice A, Annovazzi P, Bonavita S, Clerico M, Baroncini D, Prosperini L, La Gioia S, Rossi S, Cocco E, Frau J, Torri Clerici V, Signoriello E, Sartori A, Zarbo IR, Raspa S, Cordioli C, Cerqua R, Di Sazio A, **Lavorgna L**, Pontecorvo S, Barrilà C, Saccà F, Frigeni B, Esposito S, Ippolito D, Gallo F, Sormani MP; iMUST group. **Assessing association of comorbidities with treatment choice and persistence in MS: A real-life multicenter study.** Neurology. 2017 Nov 1.

Brigo F, Lattanzi S, Bragazzi N, Nardone R, Moccia M, **Lavorgna L**. **Why do people search Wikipedia for information on multiple sclerosis?** Mult Scler Relat Disord. 2018 Feb;20:210-214

Lavorgna L, Miele G, Petruzzello M, Lanzillo R, Bonavita S. **Online validation of the Italian version of the patient determined disease steps scale (PDDS) in people with multiple sclerosis.** Mult Scler Relat Disord. 2018 Apr;21:108-109.

Moccia M, Brigo F, Tedeschi G, Bonavita S, **Lavorgna L**. **Neurology and the Internet: a review.** Neurol Sci. 2018 Jun;39(6):981-987.

Della Corte M, Santangelo G, Bisecco A, Sacco R, Siciliano M, d'Ambrosio A, Docimo R, Cuomo T, **Lavorgna L**, Bonavita S, Tedeschi G, Gallo A. **A simple measure of cognitive reserve is relevant for cognitive performance in MS patients.** Neurol Sci. 2018 Jul;39(7):1267-1273.

Santangelo G, Bisecco A, Trojano L, Sacco R, Siciliano M, d'Ambrosio A, Della Corte M, **Lavorgna L**, Bonavita S, Tedeschi G, Gallo A. **Cognitive performance in multiple sclerosis: the contribution of intellectual enrichment and brain MRI measures.** J Neurol. 2018 Aug;265(8):1772-1779.

Saccà F, Lanzillo R, Signori A, Maniscalco GT, Signoriello E, Lo Fermo S, Repice A, Annovazzi P, Baroncini D, Clerico M, Binello E, Cerqua R, Mataluni G, Bonavita S, **Lavorgna L**, Zarbo IR, Laroni A, Rossi S, Pareja Gutierrez L, La Gioia S, Frigeni B, Barcella V, Frau J, Cocco E, Fenu G, Torri Clerici V, Sartori A, Raspa S, Cordioli C, Di Sazio A, Pontecorvo S, Grasso R, Barrilà C, Russo CV, Esposito S, Ippolito D, Bovis F, Gallo F, Sormani MP; ; On behalf of the iMUST Group. **Determinants of therapy switch in multiple sclerosis treatment-naïve patients: A real-life study.** Mult Scler. 2018 Jul 25:1.

Lavorgna L, De Stefano M, Sparaco M, Moccia M, Abbadessa G, Montella P, Buonanno D, Esposito S, Clerico M, Cenci C, Trojsi F, Lanzillo R, Rosa L, Morra VB, Ippolito D, Maniscalco G, Bisecco A, Tedeschi G, Bonavita S. **Fake news, influencers and health-related professional participation on the Web: A pilot study on a social-network of people with Multiple Sclerosis.** Mult Scler Relat Disord. 2018 Oct;25:175-178.

Lavorgna L, Brigo F, Moccia M, Leocani L, Lanzillo R, Clerico M, Abbadessa G, Schmierer K, Solaro C, Prosperini L, Tedeschi G, Giovannoni G, Bonavita S. **e-Health and multiple sclerosis: An update.** Mult Scler. 2018 Nov;24(13):1657-1664.

Sparaco M, **Lavorgna L**, Conforti R, Tedeschi G, Bonavita S. **The Role of Wearable Devices in Multiple Sclerosis.** Mult Scler Int. 2018 Oct 10;2018

Lavorgna L, Borriello G, Esposito S, Abbadessa G, Capuano R, De Giglio L, Logoteta A, Pozzilli C, Tedeschi G, Bonavita S. **Impact of early diagnosis on clinical characteristics of an Italian sample of people with multiple sclerosis recruited online.** Mult Scler Relat Disord. 2019 Jan;27:239-246.

Lavorgna L, Esposito S, Lanzillo R, Sparaco M, Ippolito D, Cocco E, Fenu G, Borriello G, De Mercanti S, Frau J, Capuano R, Trojsi F, Rosa L, Clerico M, Laroni A, Morra VB, Tedeschi G, Bonavita S. **Factors interfering with parenthood decision-making in an Italian sample of people with multiple sclerosis: an exploratory online survey.** J Neurol. 2019 Jan 16

Liparoti M, Della Corte M, Rucco R, Sorrentino P, Sparaco M, Capuano R, Minino R, **Lavorgna L**, Agosti V, Sorrentino G, Bonavita S. **Gait abnormalities in minimally disabled people with Multiple Sclerosis: A 3D-motion analysis study.** Mult Scler Relat Disord. 2019 Jan 23;29:100-107.

Abbadessa G, **Lavorgna L**, Cirillo G, Clerico M, Todisco V, Cirillo M, Trojsi F, Tedeschi G, Bonavita S. **Right phrenic nerve palsy following transcatheter radiofrequency current atrial fibrillation ablation: Case report.** J Int Med Res. 2019 May 30

Sparaco M, **Lavorgna L**, Bonavita S. **Psychiatric disorders in multiple sclerosis.** J Neurol. 2019 Jun 13.

Santangelo G, Corte MD, Sparaco M, Miele G, Garramone F, Cropano M, Esposito S, **Lavorgna L**, Gallo A, Tedeschi G, Bonavita S. **Coping strategies in relapsing-remitting multiple sclerosis non-depressed patients and their associations with disease activity.** Acta Neurol Belg. 2019 Sep 30

Lanzillo R, Moccia M, Palladino R, Signoriello E, Carotenuto A, Maniscalco GT, Saccà F, Bonavita S, Russo CV, Iodice R, Petruzzo M, Sinisi L, De Angelis M, **Lavorgna L**, De Rosa A, Romano F, Orlando V,

Ronga B, Florio C, Lus G, Brescia Morra V. **Clinical predictors of Dimethyl Fumarate response in multiple sclerosis: a real life multicentre study.** Mult Scler Relat Disord. 2019 Nov 25;38:101871.

Clerico M, De Mercanti SF, Signori A, Iudicello M, Cordioli C, Signoriello E, Lus G, Bonavita S, **Lavorgna L**, Maniscalco GT, Curti E, Lorefice L, Cocco E, Nociti V, Mirabella M, Baroncini D, Mataluni G, Landi D, Petruzzo M, Lanzillo R, Gandoglia I, Laroni A, Frangiamore R, Sartori A, Cavalla P, Costantini G, Sormani MP, Capra R. **Extending the Interval of Natalizumab Dosing: Is Efficacy Preserved?** Neurotherapeutics. 2020 Jan;17(1):200-207

Trojsi F, Siciliano M, Passaniti C, Biscecco A, Russo A, **Lavorgna L**, Esposito S, Ricciardi D, Monsurro MR, Tedeschi G, Santangelo G. **Vitamin D supplementation has no effects on progression of motor dysfunction in amyotrophic lateral sclerosis (ALS).** Eur J Clin Nutr. 2020 Jan;74(1):167-175.

Maniscalco GT, Saccà F, Lanzillo R, Annovazzi P, Baroncini D, Binello E, Repice A, Perini P, Clerico M, Mataluni G, Bonavita S, La Gioia S, Gutierrez LP, Laroni A, Frau J, Cocco E, Torri Clerici V, Zarbo IR, Sartori A, Signoriello E, Rasina S, Cordioli C, Stromillo ML, Cerqua R, Pontecorvo S, Di Sazio A, Grasso R, Barone S, **Lavorgna L**, Barrilà C, Landi D, Russo CV, Frigeni B, Ippolito D, Turano G, Carmisciano L, Sormani MP, Signori A. **First therapy choice in newly diagnosed Multiple Sclerosis patients: A multicenter Italian study.** Mult Scler Relat Disord. 2020 Mar 16;42:102059

Bonavita S, Tedeschi G, Atreja A, **Lavorgna L. Digital triage for people with multiple sclerosis in the age of COVID-19 pandemic.** Neurol Sci. 2020 Apr 17

Lanzillo R, Sparaco M, **Lavorgna L**, Carmisciano L, Signoriello E, Signori A, Costabile T, Maniscalco GT, Saccà F, Cepparulo S, Russo CV, Biscecco A, Frattaruolo N, Strianese A, Lus G, Brescia Morra V, Bonavita S. **A snapshot on patient-reported outcome measures of people with multiple sclerosis on first-line therapies in a real world setting.** Neurol Sci. 2020 May 10

Lavorgna L, Di Tella M, Miele G, De Mercanti SF, Streito LM, Perutelli V, Bonavita S, Castelli L, Clerico Online Validation of a Battery of Questionnaires for the Assessment of Family Functioning and Related Factors. Front Psychol. 2020 Apr 28;11:771.

Abbadessa G, **Lavorgna L**, Miele G, Cirillo M, Bonavita S. **Heidenhain variant of Creutzfeldt-Jakob disease in a patient carrying the V210I mutation with asymmetric MRI abnormalities.** Acta Neurol Belg. 2020 May 20.

Moccia M, Lanzillo R, Brescia Morra V, Bonavita S, Tedeschi G, Leocani L, **Lavorgna L on behalf of Digital Technologies Web and Social Media Study Group of the Italian Society of Neurology. Assessing disability and relapses in multiple sclerosis on tele-neurology.** Neurol Sci. 2020 May 21:1-3.

Russo A, **Lavorgna L**, Silvestro M, Abbadessa G, Biscecco A, Trojsi F, Tessitore A, Tedeschi G, Bonavita S **Readability Analysis of Online Headache and Migraine Information.** Headache. 2020 May 28.

Miele G, Straccia G, Moccia M, Leocani L, Tedeschi G, Bonavita S, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology. Telemedicine in Parkinson's Disease: How to Ensure Patient Needs and Continuity of Care at the Time of COVID-19 Pandemic.** Telemed J E Health. 2020 Jul 13.

Lavorgna L, Brigo F, Abbadessa G, Bucello S, Clerico M, Cocco E, Iodice R, Lanzillo R, Leocani L, Lerario A, Moccia M, Padovani A, Prosperini L, Repice A, Stromillo M, Trojsi F, Mancardi G, Tedeschi G, **Bonavita S on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology. The Use of Social Media and Digital Devices Among Italian Neurologists.** Front Neurol. 2020 Jun 16;11:583.

Cuffaro L, Di Lorenzo F, Bonavita S, Tedeschi G, Leocani L, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology.**

Dementia care and COVID-19 pandemic: a necessary digital revolution.

Neurol Sci. 2020 Aug;41(8):1977-1979.

Signori A, Saccà F, Lanzillo R, Maniscalco GT, Signoriello E, Repice AM, Annovazzi P, Baroncini D, Clerico M, Binello E, Cerqua R, Mataluni G, Perini P, Bonavita S, **Lavorgna L**, Zarbo IR, Laroni A, Pareja-Gutierrez L, La Gioia S, Frigeni B, Barcella V, Frau J, Cocco E, Fenu G, Clerici VT, Sartori A, Rasia S, Cordioli C, Stromillo ML, Di Sazio A, Pontecorvo S, Grasso R, Barone S, Barrilà C, Russo CV, Esposito S, Ippolito D, Landi D, Visconti A, Sormani MP. **Cladribine vs other drugs in MS: Merging randomized trial with real-life data.** Neurol Neuroimmunol Neuroinflamm. 2020 Aug 14;7(6):e878.

Brigo F, Bonavita S, Leocani L, Tedeschi G, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology. Telemedicine and the challenge of epilepsy management at the time of COVID-19 pandemic.**

Epilepsy Behav. 2020 Sep;110:107164.

Trojsi F, Di Nardo F, Siciliano M, Caiazzo G, Passaniti C, D'Alvano G, Ricciardi D, Russo A, Biscecco A, **Lavorgna L**, Bonavita S, Cirillo M, Esposito F, Tedeschi G. Amyotroph Lateral Scler Frontotemporal Degener. 2020 Sep 4:1-10. **Resting state functional MRI brain signatures of fast disease progression in amyotrophic lateral sclerosis: a retrospective study.** Amyotroph Lateral Scler Frontotemporal Degener. 2020 Sep 4:1-10.

Bombaci A, Abbadessa G, Trojsi F, Leocani L, Bonavita S, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology Telemedicine for management of patients with amyotrophic lateral sclerosis through COVID-19 tail.** Neurol Sci. 2020 Oct 6:1-5.

Costabile T, Carotenuto A, **Lavorgna L**, Borriello G, Moiola L, Inglese M, Petruzzo M, Trojsi F, Ianniello A, Nozzolillo A, Cellino M, Boffa G, Rosa L, Servillo G, Moccia M, Bonavita S, Filippi M, Lanzillo R, Brescia Morra V, Petracca. **COVID-19 pandemic and mental distress in Multiple Sclerosis: implications for clinical management.**

M.Eur J Neurol. 2020 Oct 11.

Trojsi F, Di Nardo F, Caiazzo G, Siciliano M, D'Alvano G, Ferrantino T, Passaniti C, Ricciardi D, Esposito S, **Lavorgna L**, Russo A, Bonavita S, Cirillo M, Santangelo G, Esposito F, Tedeschi G. **Hippocampal connectivity in Amyotrophic Lateral Sclerosis (ALS): more than Papez circuit impairment.** Brain Imaging Behav. 2020 Oct 23

Ricciardi D, **Lavorgna L**, Cirillo G, Tedeschi G, Bonavita S. **Unilateral polymicrogyria, hemispheric atrophy and spastic hemiparesis: rare etiologies for a common condition.** Acta Neurol Belg. 2020 Nov 5.

Esposito S, Sparaco M, Maniscalco GT, Signoriello E, Lanzillo R, Russo C, Carmisciano L, Cepparulo S, **Lavorgna L**, Gallo A, Trojsi F, Brescia Morra V, Lus G, Tedeschi G, Saccà F, Signori A, Bonavita S. **Lifestyle and Mediterranean diet adherence in a cohort of Southern Italian patients with Multiple Sclerosis.** Mult Scler Relat Disord. 2021 Jan;47:102636. doi: 10.1016/j.msard.2020.102636. Epub 2020 Nov 22. PMID: 33333418.

Bonavita S, Sparaco M, Russo A, Borriello G, **Lavorgna L.** **Perceived stress and social support in a large population of people with multiple sclerosis recruited online through the COVID-19 pandemic.** Eur J Neurol. 2020 Dec 23. doi: 10.1111/ene.14697. Epub ahead of print. PMID: 33368849.

Iodice F, Romoli M, Giometto B, Clerico M, Tedeschi G, Bonavita S, Leocani L, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology.** **Stroke and digital technology: a wake-up call from COVID-19 pandemic.** Neurol Sci. 2021 Mar;42(3):805-809. doi: 10.1007/s10072-020-04993-3. Epub 2021 Jan 12. PMID: 33433756; PMCID: PMC7801773.

De Mercanti SF, Signori A, Cordioli C, Signoriello E, Lus G, Bonavita S, Abbadessa G, **Lavorgna L**, Maniscalco GT, Curti E, Lorefice L, Cocco E, Nociti V, Mirabella M, Baroncini D, Mataluni G, Landi D, Petruzzo M, Lanzillo R, Gandoglia I, Laroni A, Frangiamore R, Sartori A, Cavalla P, Costantini G, Capra R, Sormani MP, Clerico M. **MRI activity and extended interval of Natalizumab dosing regimen: a multicentre Italian study.** J Neurol Sci. 2021 May 15;424:117385. doi: 10.1016/j.jns.2021.117385. Epub 2021 Mar 6. PMID: 33770708.

Lavorgna L, Brigo F, Esposito S, Abbadessa G, Sparaco M, Lanzillo R, Moccia M, Inglese M, Bonfanti L, Trojsi F, Spina E, Russo A, De Micco P, Clerico M, Tedeschi G, Bonavita S. **Public Engagement and Neurology: An Update.** Brain Sci. 2021 Mar 28;11(4):429. doi: 10.3390/brainsci11040429. PMID: 33800571; PMCID: PMC8065487.

Abbadessa G, **Lavorgna L**, Miele G, Mignone A, Signoriello E, Lus G, Clerico M, Sparaco M, Bonavita S. **Assessment of Multiple Sclerosis Disability Progression Using a Wearable Biosensor: A Pilot Study.** J Clin Med. 2021 Mar 10;10(6):1160. doi: 10.3390/jcm10061160. PMID: 33802029; PMCID: PMC8001885.

Carotenuto A, Scandurra C, Costabile T, **Lavorgna L**, Borriello G, Moiola L, Inglese M, Trojsi F, Petruzzo M, Ianniello A, Nozzolillo A, Cellerino M, Boffa G, Rosa L, Chiodi A, Servillo G, Moccia M, Bonavita S, Filippi M, Petracco M, Brescia Morra V, Lanzillo R. **Physical Exercise Moderates the Effects of Disability on Depression in People with Multiple Sclerosis during the COVID-19 Outbreak.** J Clin Med. 2021 Mar 16;10(6):1234. doi: 10.3390/jcm10061234. PMID: 33809698; PMCID: PMC8002261.

Bonavita S, **Lavorgna L**, Worton H, Russell S, Jack D. **Family Planning Decision Making in People With Multiple Sclerosis.** Front Neurol. 2021 Apr 28;12:620772. doi: 10.3389/fneur.2021.620772. PMID: 33995240; PMCID: PMC8113643.

Abbadessa G, Brigo F, Clerico M, De Mercanti S, Trojsi F, Tedeschi G, Bonavita S, **Lavorgna L. Digital therapeutics in neurology.** J Neurol. 2021 May 20:1–16. doi: 10.1007/s00415-021-10608-4. Epub ahead of print. PMID: 34018047; PMCID: PMC8136262.

De Angelis M, **Lavorgna L**, Carotenuto A, Petruzzo M, Lanzillo R, Brescia Morra V, Moccia M. **Digital Technology in Clinical Trials for Multiple Sclerosis: Systematic Review.** J Clin Med. 2021 May 26;10(11):2328. doi: 10.3390/jcm10112328. PMID: 34073464.

Lavorgna L, Iaffaldano P, Abbadessa G, Lanzillo R, Esposito S, Ippolito D, Sparaco M, Cepparulo S, Lus G, Viterbo R, Clerico M, Trojsi F, Raganose P, Borriello G, Signoriello E, Palladino R, Moccia M, Brigo F, Troiano M, Tedeschi G, Bonavita S. **Disability assessment using Google Maps.** Neurol Sci. 2021 Jun 17:1–8. doi: 10.1007/s10072-021-05389-7. Epub ahead of print. PMID: 34142263; PMCID: PMC8211455.

Spina E, Trojsi F, Tozza S, Iovino A, Iodice R, Passaniti C, Abbadessa G, Bonavita S, Leocani L, Tedeschi G, Manganelli F, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology (SIN).** **How to manage with telemedicine people with neuromuscular diseases?** Neurol Sci. 2021 Jun 25:1–7. doi: 10.1007/s10072-021-05396-8. Epub ahead of print. Erratum in: Neurol Sci. 2021 Jul 10;; PMID: 34173087; PMCID: PMC8232560.

Di Tella M, Perutelli V, Miele G, **Lavorgna L**, Bonavita S, De Mercanti SF, Streito LM, Clerico M, Castelli L. **Family Functioning and Multiple Sclerosis: Study Protocol of a Multicentric Italian Project.** Front Psychol. 2021 Jun 9;12:668010. doi: 10.3389/fpsyg.2021.668010. PMID: 34177727; PMCID: PMC8219871.

Abbadessa G, **Lavorgna L**, Trojsi F, Coppola C, Bonavita S. **Understanding and managing the impact of the Covid-19 pandemic and lockdown on patients with multiple sclerosis.** Expert Rev Neurother. 2021 Jul 24:1-13. doi: 10.1080/14737175.2021.1957673. Epub ahead of print. PMID: 34278928.

Abbadessa G, Miele G, Cavalla P, Valentino P, Marfia GA, Signoriello E, Landi D, Bosa C, Vercellino M, De Martino A, Missione R, Sparaco M, **Lavorgna L**, Lus G, Bonavita S. **CD19 Cell Count at Baseline Predicts B Cell Repopulation at 6 and 12 Months in Multiple Sclerosis Patients Treated with Ocrelizumab.** Int J Environ Res Public Health. 2021 Aug 2;18(15):8163. doi: 10.3390/ijerph18158163. PMID: 34360456; PMCID: PMC8346113.

Brigo F, Ponzano M, Sormani MP, Clerico M, Abbadessa G, Cossu G, Trojsi F, Colucci F, Tortorella C, Miele G, Spina E, Artusi CA, Carmisciano L, Servillo G, Bozzali M, Sparaco M, Leocani L, Lanzillo R, Tedeschi G, Bonavita S, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology. Digital work engagement among Italian neurologists.** Ther Adv Chronic Dis. 2021 Jul 20;12:20406223211029616. doi: 10.1177/20406223211029616. PMID: 34367544; PMCID: PMC8299881.

Abbadessa G, **Lavorgna L**, Treaba CA, Bonavita S, Mainero C. **Hemostatic factors in the pathogenesis of neuroinflammation in multiple sclerosis.** Mult Scler. 2021 Aug 19:13524585211039111. doi: 10.1177/13524585211039111. Epub ahead of print. PMID: 34410198.

Ricciardi D, Casagrande S, Iodice F, Orlando B, Trojsi F, Cirillo G, Clerico M, Bozzali M, Leocani L, Abbadessa G, Miele G, Tedeschi G, Bonavita S, **Lavorgna L on behalf of Digital Technologies, Web, Social Media Study Group of the Italian Society of Neurology. Myasthenia gravis and telemedicine: a lesson from COVID-19 pandemic.** Neurol Sci. 2021 Dec;42(12):4889-4892. doi: 10.1007/s10072-021-05566-8. Epub 2021 Aug 26. PMID: 34436726; PMCID: PMC8390022.

Abbadessa G, Miele G, Di Pietro A, Sparaco M, Palladino R, Armetta I, D'Elia G, Trojsi F, Signoriello E, Lus G, **Lavorgna L**, Bonavita S. **Multiple sclerosis and genetic polymorphisms in fibrinogen-mediated hemostatic pathways: a case-control study.** Neurol Sci. 2021 Sep 24. doi: 10.1007/s10072-021-05608-1. Epub ahead of print. PMID: 34561786.

Sparaco M, Miele G, Abbadessa G, Ippolito D, Trojsi F, **Lavorgna L**, Bonavita S. **Pain, quality of life, and religiosity in people with multiple sclerosis.** Neurol Sci. 2021 Nov 23. doi: 10.1007/s10072-021-05759-1. Epub ahead of print. Erratum in: Neurol Sci. 2021 Dec 10;: PMID: 34816315.

Miele G, **Lavorgna L**, De Mercanti SF, Iudicello M, Abbadessa G, Matta M, Bonavita S, Clerico M. **Source of medical information and behavioral seeking patterns in patients affected with Friedreich's ataxia and their caregivers: a survey study.** Neurol Sci. 2021 Nov 28.

D'Alvano G, Buonanno D, Passaniti C, De Stefano M, **Lavorgna L**, Tedeschi G, Siciliano M, Trojsi F. **Support Needs and Interventions for Family Caregivers of Patients with Amyotrophic Lateral Sclerosis (ALS): A Narrative Review with Report of Telemedicine Experiences at the Time of COVID-19 Pandemic.** Brain Sci. 2021 Dec 30;12(1):49.

Spina E, Tedeschi G, Russo A, Trojsi F, Iodice R, Tozza S, Iovino A, Iodice F, Abbadessa G, di Lorenzo F, Miele G, Maida E, Cerullo G, Sparaco M, Silvestro M, Leocani L, Bonavita S, Manganelli F, **Lavorgna L on behalf of Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology. Telemedicine application to headache: a critical review.** Neurol Sci. 2022 Jan 24:1-7.

Sparaco M, Miele G, **Lavorgna L**, Abbadessa G, Bonavita S. **Association between relapses, stress, and depression in people with multiple sclerosis during the COVID-19 pandemic.** Neurol Sci. 2022 Jan 29;1-8.

Bonavita S, **Lavorgna L**, Worton H, Jack D. **Family planning in people with multiple sclerosis: a plain language summary.** Neurodegener Dis Manag. 2022 Feb;12(1):9-14.

Abbadessa G, Maida E, Miele G, **Lavorgna L**, Marfia GA, Valentino P, De Martino A, Cavalla P, Bonavita S. **Lymphopenia in Multiple Sclerosis patients treated with Ocrelizumab is associated with an effect on CD8 T cells.** Mult Scler Relat Disord. 2022 Mar 12;60:103740.

Lanzillo R, Carotenuto A, Signoriello E, Iodice R, Miele G, Biscecco A, Maniscalco GT, Sinisi L, Romano F, Di Gregorio M, **Lavorgna L**, Trojsi F, Moccia M, Fratta M, Capasso N, Dubbioso R, Petracca M, Spiezia AL, Gallo A, Petruzzo M, De Angelis M, Bonavita S, Lus G, Tedeschi G, Brescia Morra V. **Prognostic Markers of Ocrelizumab Effectiveness in Multiple Sclerosis: A Real World Observational Multicenter Study.** J Clin Med. 2022 Apr 7;11(8):2081. doi: 10.3390/jcm11082081. PMID: 35456175; PMCID: PMC9029051.

Abbadessa G, Miele G, Maida E, Minervini G, **Lavorgna L**, Bonavita S. **Optimal retreatment schedule of rituximab for neuromyelitis optica spectrum disorder: A systematic review.** Mult Scler Relat Disord. 2022 Jul;63:103926. doi: 10.1016/j.msard.2022.103926. Epub 2022 May 29. PMID: 35661568.

Miele G, **Lavorgna L**, Marrapodi MM, Abbadessa G. **Emotional facial palsy: an unusual and rarely explored neurological sign.** Neurol Sci. 2022 Nov;43(11):6305-6307. doi: 10.1007/s10072-022-06256-9. Epub 2022 Jul 11. PMID: 35819562; PMCID: PMC9616739.

Bonavita S, Ghajarsehadeh M, **Lavorgna L**. Editorial: **Disease modifying therapies in multiple sclerosis.** Front Neurol. 2022 Aug 22;13:927321. doi: 10.3389/fneur.2022.927321. PMID: 36071892; PMCID: PMC9442044.

Rosa L, Petracca M, Carotenuto A, Dolce P, Piscopo K, Dicé F, Lauro F, Spiezia AL, Moccia M, **Lavorgna L**, Iacovazzo C, Servillo G, Maldonato NM, Chiodi A, Brescia Morra V, Lanzillo R. **Quality of Life Changes in Early-Onset Multiple Sclerosis: A 4-Year Follow-Up Study.** J Clin Med. 2022 Sep 4;11(17):5226. doi: 10.3390/jcm11175226. PMID: 36079156; PMCID: PMC9456623.

Abbadessa G, Maida E, Miele G, Bile F, **Lavorgna L**, Bonavita S. **Disease Reactivation in Secondary Progressive Multiple Sclerosis Patients Switching from Fingolimod to Siponimod: A Case Series.** J Clin Med. 2022 Oct 13;11(20):6033. doi: 10.3390/jcm11206033. PMID: 36294354; PMCID: PMC9605018.

Branco D, Di Martin B, Esposito A, Tedeschi G, Bonavita S, **Lavorgna L**. **Machine learning techniques for prediction of multiple sclerosis progression.** Soft Computing Volume 26, Issue 22, Pages 12041 – 12055 November 2022

Lavorgna L, Bonavita S. **Artificial intelligence will change MS care within the next 10 years: Commentary.** Mult Scler. 2022 Dec;28(14):2175-2176.

Spiezia AL, Carotenuto A, Iovino A, Moccia M, Gastaldi M, Iodice R, Tedeschi E, Petracca M, **Lavorgna L**, d'Ambrosio A, Brescia Morra V, Lanzillo R. **AQP4-MOG Double-Positive Neuromyelitis Optica Spectrum Disorder: Case Report with Central and Peripheral Nervous System Involvement and Review of Literature.** Int J Mol Sci. 2022 Nov 23;23(23):14559.

Miele G, Abbadessa G, Cavalla P, Valentino P, Marfia GA, Landi D, Bosa C, Vercellino M, De Martino A, Ponzano M, **Lavorgna L**, Bonavita S. **Association of vitamin D serum levels and vitamin D supplementation with B cell kinetics and disease activity in Multiple Sclerosis patients treated with ocrelizumab: an Italian multi-center study.** Mult Scler Relat Disord. 2022 Dec;68:104395.

Abbadessa G, Miele G, Maida E, Vanore E, Cipriano L, Coppola C, **Lavorgna L**, Bonavita S. **Immunomodulatory effects of ocrelizumab and candidate biomarkers for monitoring treatment response in multiple sclerosis.** Mult Scler. 2023 Jun;29(7):779-788.

Miele G, Cepparulo S, Abbadessa G, **Lavorgna L**, Sparaco M, Simeon V, Guizzaro L, Bonavita S. **Clinically Manifest Infections Do Not Increase the Relapse Risk in People with Multiple Sclerosis Treated with Disease-Modifying Therapies: A Prospective Study.** J Clin Med. 2023 Jan 28;12(3):1023.

Borgnis F, Borghesi F, Rossetto F, Pedroli E, **Lavorgna L**, Riva G, Baglio F, Cipresso P. **Psychometric Calibration of a Tool Based on 360 Degree Videos for the Assessment of Executive Functions.** J Clin Med. 2023 Feb 18;12(4):1645. doi: 10.3390/jcm12041645. PMID: 36836179; PMCID: PMC9958906.

Scandurra C, Rosa L, Carotenuto A, Moccia M, Arena S, Ianniello A, Nozzolillo A, Turrini M, Streito LM, Abbadessa G, Ferraro E, Mattioli M, Chiodi A, Maldonato NM, Bonavita S, Clerico M, Cordioli C, Moiola L, Patti F, **Lavorgna L**, Filippi M, Borriello G, D'Amico E, Pozzilli C, Brescia Morra V, Petracca M, Lanzillo R. **Sexual Dysfunction in People with Multiple Sclerosis: The Role of Disease Severity, Illness Perception, and Depression.** J Clin Med. 2023 Mar 13;12(6):2215.

Abbadessa G, Miele G, Cavalla P, Valentino P, Marfia GA, Vercellino M, De Martino A, Simeon V, **Lavorgna L**, Bonavita S. **Previous disease-modifying treatments influence T lymphocyte kinetics in people with multiple sclerosis switching to ocrelizumab.** J Neuroimmunol. 2023 May 15;378:578072.

Abbadessa G, Ponzano M, Bile F, Miele G, Signori A, Cepparulo S, Sparaco M, Signoriello E, Maniscalco GT, Lanzillo R, Morra VB, Lus G, Sormani MP, **Lavorgna L**, Bonavita S. **Health related quality of life in the domain of physical activity predicts confirmed disability progression in people with relapsing remitting multiple sclerosis.** Mult Scler Relat Disord. 2023 Jul;75:104731.

Trojsi F, Di Nardo F, D'Alvano G, Passaniti C, Sharbafshaaer M, Canale F, Russo A, Silvestro M, **Lavorgna L**, Cirillo M, Esposito F, Tedeschi G, Siciliano M. **Cognitive, behavioral, and brain functional connectivity correlates of fatigue in amyotrophic lateral sclerosis.** Brain Behav. 2023 Jul;13(7):e2931.

Maida E, Bresciamorra V, Triassi M, Lanzillo R, Bonavita S, **Lavorgna L.** **Cost-Analysis of Telemedicine Interventions Compared with Traditional Care in the Management of Chronic Neurological Diseases: A Systematic Review.** Telemed J E Health. 2023 Jul 19.

Maida E, **Lavorgna L.** **Multiple Sclerosis: Diagnosis, Management, and Future Opportunities.** J Clin Med. 2023 Jul 8;12(14):4558.

Petracca M, Carotenuto A, Scandurra C, Moccia M, Rosa L, Arena S, Ianniello A, Nozzolillo A, Turrini M, Streito LM, Abbadessa G, Cellerino M, Bucello S, Ferraro E, Mattioli M, Chiodi A, Inglese M, Bonavita S, Clerico M, Cordioli C, Moiola L, Patti F, **Lavorgna L**, Filippi M, Borriello G, D'Amico E, Pozzilli C, Brescia Morra V, Lanzillo R. **Sexual dysfunction in multiple sclerosis: The impact of different MSISQ-19 cut-offs on prevalence and associated risk factors.** Mult Scler Relat Disord. 2023 Jul 26;78:104907.

