

Personal info

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Sex F | DOB 04/11/1968 | Nationality Italian

2000 to 2006
2006 to 2014

Assistant Professor in Neurology Second University of Naples, -Italy (SUN)
Associate Professor in Neurology MED/26
Second University of Naples,-Italy (SUN)

National Scientific License at the role of Full Professor MED/50

2014-2017

Full Professor MED/50 University of Campania "Luigi Vanvitelli"

December 2017

2001- today: Supervisor of the Multiple Sclerosis Center of the 1st Clinic of Neurology of the Second University of Naples/University of Campania "Luigi Vanvitelli" Piazza Miraglia, 2-80138 Naples.

1993
1998

Degree in Medicine and Surgery (110 laude/110)
Residency in Neurology (50 laude/50)
Second University of Naples (SUN)

1995-1997

Visiting Fellow Neuroimaging Branch-National Institutes of Health- Bethesda Maryland-USA

Native language

Italian

Other languages

	COMPREHENSION		SPOKEN		WRITTEN
	listening	reading	interaction	verbal	
English	B1	C1	C2	C2	C2

Informatic experience

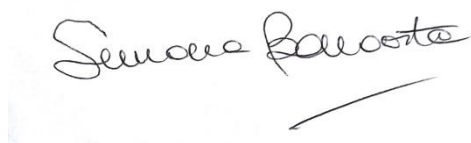
SELF evaluation				
Info processing	Communication	Processing of Contents	Security	Problem solving
Intermediate	Intermediate	Intermediate	Intermediate	Basic

Personal data

"I conducted clinical research according to GCP";
I authorize my personal data dealing according to the Italian Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali.

Medical License: NA26856

Naples, 24/4/2021



Publications

- 1: Moccia M, Brigo F, Brennan S, Bonavita S. Editorial: Digital Technology in Neurology: From Clinical Assessment to Neurorehabilitation. Front Neurol. 2021 Jan 21;11:614074. doi: 10.3389/fneur.2020.614074. PMID: 33551971; PMCID: PMC7858643.
- 2: Sormani MP, De Rossi N, Schiavetti I, Carmisciano L, Cordioli C, Moiola L, Radaelli M, Immovilli P, Capobianco M, Trojano M, Zaratini P, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M; Musc-19 Study Group. Disease-Modifying Therapies and Coronavirus Disease 2019 Severity in Multiple Sclerosis. Ann Neurol. 2021 Apr;89(4):780-789. doi: 10.1002/ana.26028. Epub 2021 Feb 9. PMID: 33480077.
- 3: Iodice F, Romoli M, Giometto B, Clerico M, Tedeschi G, Bonavita S, Leocani L, Lavorgna L; 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.
- 4: Abbadessa G, Miele G, Fratta M, Bonavita S. Paraneoplastic syndrome or immune-related adverse event? A case of rhomboencephalitis in a patient treated with Pembrolizumab. Acta Neurol Belg. 2021 Jan 3. doi: 10.1007/s13760-020-01564-3. Epub ahead of print. PMID: 33393070.
- 5: 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.

6: 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.

7: Sparaco M, Bonavita S. The role of sex hormones in women with multiple sclerosis: From puberty to assisted reproductive techniques. *Front Neuroendocrinol*. 2021 Jan;60:100889. doi: 10.1016/j.yfrne.2020.100889. Epub 2020 Nov 12. PMID: 33189769.

8: 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. doi: 10.1007/s13760-020-01537-6. Epub ahead of print. PMID: 33151517.

9: Trojsi F, Di Nardo F, Caiazza 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. doi: 10.1007/s11682-020-00408-1. Epub ahead of print. PMID: 33095382.

10: Chisari CG, Grimaldi LM, Salemi G, Ragonese P, Iaffaldano P, Bonavita S, Sparaco M, Rovaris M, D'Arma A, Lugaresi A, Ferrò MT, Grossi P, Di Sapio A, Cocco E, Granella F, Curti E, Lepore V, Trojano M, Patti F; Italian MS Register Study Group. Clinical effectiveness of different natalizumab interval dosing schedules in a large Italian population of patients with multiple sclerosis. *J Neurol Neurosurg Psychiatry*. 2020 Dec;91(12):1297-1303. doi: 10.1136/jnnp-2020-323472. Epub 2020 Oct 14. PMID: 33055141.

11: Costabile T, Carotenuto A, Lavorgna L, Borriello G, Moiola L, Inglese M, Petruzzio M, Trojsi F, Ianniello A, Nozzolillo A, Cellerino M, Boffa G, Rosa L, Servillo G, Moccia M, Bonavita S, Filippi M, Lanzillo R, Brescia Morra V, Petracca M. COVID-19 pandemic and mental distress in multiple sclerosis: implications for clinical management. *Eur J Neurol*. 2020 Oct 11:10.1111/ene.14580. doi: 10.1111/ene.14580. Epub ahead of print. PMID: 33043560; PMCID: PMC7675416.

12: Bombaci A, Abbadessa G, Trojsi F, Leocani L, Bonavita S, Lavorgna L; 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*. 2021 Jan;42(1):9-13. doi: 10.1007/s10072-020-04783-x. Epub 2020 Oct 6. PMID: 33025327; PMCID: PMC7538170.

13: Coppola C, Saracino D, Oliva M, Puoti G, Lus G, Le Ber I, Pariente J, Tessitore A, Benussi L, Ghidoni R, Carrara M, Ricci M, Redaelli V, Tiraboschi P, Caroppo P, Giaccone G, Bonavita S, Rossi G. The Rise of the GRN C157KfsX97 Mutation in Southern Italy: Going Back to the Fall of the Western Roman Empire. *J Alzheimers Dis*. 2020;78(1):387-394. doi: 10.3233/JAD-200924. PMID: 33016921.

14: Cellerino M, Bonavita S, Ferrero M, Inglese M, Boffa G. Severe disease activity in MS patients treated with cladribine after fingolimod withdrawal. *J Neurol Sci*. 2020 Nov 15;418:117156. doi: 10.1016/j.jns.2020.117156. Epub 2020 Sep 30. PMID: 33010653.

15: Coppola C, Saracino D, Oliva M, Cipriano L, Puoti G, Pappatà S, Di Fede G,

Catania M, Ricci M, Cimini S, Giaccone G, Bonavita S, Rossi G. Singular cases of Alzheimer's disease disclose new and old genetic "acquaintances". *Neurol Sci.* 2020 Oct 2. doi: 10.1007/s10072-020-04774-y. Epub ahead of print. PMID: 33006056.

16: Mirmosayyeb O, Vaheb S, Barzegar M, Shaygannejad V, Bonavita S, Ghajarzadeh M. Screening neuromyelitis optica patients for COVID-19 infection. *Autoimmun Rev.* 2020 Nov;19(11):102669. doi: 10.1016/j.autrev.2020.102669. Epub 2020 Sep 14. PMID: 32942032; PMCID: PMC7489250.

17: Trojsi F, Di Nardo F, Siciliano M, Caiazzo G, Passaniti C, D'Alvano G, Ricciardi D, Russo A, Bisecco A, Lavorgna L, Bonavita S, Cirillo M, Esposito F, Tedeschi G. 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. doi: 10.1080/21678421.2020.1813306. Epub ahead of print. PMID: 32885698.

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19: 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 Sapio 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. doi: 10.1212/NXI.0000000000000878. PMID: 32801167; PMCID: PMC7641098.

20: Hauser SL, Bar-Or A, Cohen JA, Comi G, Correale J, Coyle PK, Cross AH, de Seze J, Leppert D, Montalban X, Selmaj K, Wiendl H, Kerloeguen C, Willi R, Li B, Kakarieka A, Tomic D, Goodyear A, Pingili R, Häring DA, Ramanathan K, Merschhemke M, Kappos L; ASCLEPIOS I and ASCLEPIOS II Trial Groups. Ofatumumab versus Teriflunomide in Multiple Sclerosis. *N Engl J Med.* 2020 Aug 6;383(6):546-557. doi: 10.1056/NEJMoa1917246. PMID: 32757523.

21: De Felice B, Montanino C, Oliva M, Bonavita S, Di Onofrio V, Coppola C. MicroRNA Expression Signature in Mild Cognitive Impairment Due to Alzheimer's Disease. *Mol Neurobiol.* 2020 Nov;57(11):4408-4416. doi: 10.1007/s12035-020-02029-7. Epub 2020 Jul 31. PMID: 32737762; PMCID: PMC7515963.

22: Polverino A, Rucco R, Stillitano I, Bonavita S, Grimaldi M, Minino R, Pesoli M, Trojsi F, D'Ursi AM, Sorrentino G, Sorrentino P. In Amyotrophic Lateral Sclerosis Blood Cytokines Are Altered, but Do Not Correlate with Changes in Brain Topology. *Brain Connect.* 2020 Oct;10(8):411-421. doi: 10.1089/brain.2020.0741. Epub 2020 Oct 8. PMID: 32731760.

23: Miele G, Straccia G, Moccia M, Leocani L, Tedeschi G, Bonavita S, Lavorgna L; 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 Dec;26(12):1533-1536. doi: 10.1089/tmj.2020.0184. Epub 2020 Jul 13. PMID: 32667839.

24: Chisari CG, Solaro C, Annunziata P, Bergamaschi R, Bianco A, Bonavita S, Brescia Morra V, Bruno Bossio R, Capello E, Castelli L, Cavalla P, Costantino G,

Centonze D, Cottone S, Danni MC, Esposito F, Gajofatto A, Gasperini C, Guareschi A, Lanzillo R, Lus G, Maniscalco GT, Matta M, Paolicelli D, Petrucci L, Pontecorvo S, Righini I, Rovaris M, Sessa E, Spinicci G, Spitaleri D, Valentino P, Zaffaroni M, Zappia M, Patti F. Nabiximols discontinuation rate in a large population of patients with multiple sclerosis: a 18-month multicentre study. *J Neurol Neurosurg Psychiatry*. 2020 Sep;91(9):914-920. doi: 10.1136/jnnp-2019-322480. Epub 2020 Jul 13. PMID: 32661083.

25: Krysko KM, Graves JS, Dobson R, Altintas A, Amato MP, Bernard J, Bonavita S, Bove R, Cavalla P, Clerico M, Corona T, Doshi A, Fragoso Y, Jacobs D, Jokubaitis V, Landi D, Llamasa G, Longbrake EE, Maillart E, Marta M, Midaglia L, Shah S, Tintore M, van der Walt A, Voskuhl R, Wang Y, Zabad RK, Zeydan B, Houtchens M, Hellwig K. Sex effects across the lifespan in women with multiple sclerosis. *Ther Adv Neurol Disord*. 2020 Jul 1;13:1756286420936166. doi: 10.1177/1756286420936166. PMID: 32655689; PMCID: PMC7331774.

26: Ghajarzadeh M, Bonavita S. Are patients with multiple sclerosis (MS) at higher risk of COVID-19 infection? *Neurol Sci*. 2020 Sep;41(9):2315-2316. doi: 10.1007/s10072-020-04570-8. Epub 2020 Jul 7. PMID: 32638135; PMCID: PMC7340752.

27: 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. The Use of Social Media and Digital Devices Among Italian Neurologists. *Front Neurol*. 2020 Jun 16;11:583. doi: 10.3389/fneur.2020.00583. PMID: 32612572; PMCID: PMC7308485.

28: Cuffaro L, Di Lorenzo F, Bonavita S, Tedeschi G, Leocani L, Lavorgna L. Dementia care and COVID-19 pandemic: a necessary digital revolution. *Neurol Sci*. 2020 Aug;41(8):1977-1979. doi: 10.1007/s10072-020-04512-4. Epub 2020 Jun 17. PMID: 32556746; PMCID: PMC7298162.

29: Russo A, Silvestro M, Scotto di Clemente F, Trojsi F, Bisecco A, Bonavita S, Tessitore A, Tedeschi G. Multidimensional assessment of the effects of erenumab in chronic migraine patients with previous unsuccessful preventive treatments: a comprehensive real-world experience. *J Headache Pain*. 2020 Jun 9;21(1):69. doi: 10.1186/s10194-020-01143-0. PMID: 32517693; PMCID: PMC7282180.

30: D'Amico E, Zanghì A, Sciandra M, Lanzillo R, Callari G, Cortese A, Lus G, Lucchini M, Buccafusca M, Bonavita S, Gallo A, Curti E, Gajofatto A, Signoriello E, Bisecco A, Gobbin F, Ferrò MT, Ferrazzano G, Sparaco M, Valentino P, Mirabella M, Granella F, Bresciamorra V, Grimaldi LME, Patti F; ITALIAN-DIME-TERI group. Dimethyl fumarate vs Teriflunomide: an Italian time-to-event data analysis. *J Neurol*. 2020 Oct;267(10):3008-3020. doi: 10.1007/s00415-020-09959-1. Epub 2020 Jun 6. PMID: 32506391.

31: Brigo F, Bonavita S, Leocani L, Tedeschi G, Lavorgna L; 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. doi: 10.1016/j.yebeh.2020.107164. Epub 2020 May 15. PMID: 32480303; PMCID: PMC7225695.

32: Carotenuto A, Signoriello E, Lanzillo R, Vaia Y, Moccia M, Bonavita S, Lus G, Brescia Morra V. Unraveling diagnostic uncertainty in transition phase from relapsing-remitting to secondary progressive multiple sclerosis. *Mult Scler Relat Disord*. 2020 Aug;43:102211. doi: 10.1016/j.msard.2020.102211. Epub 2020 May 24. PMID: 32474285.

33: Russo A, Lavorgna L, Silvestro M, Abbadessa G, Bisecco A, Trojsi F,

Tessitore A, Tedeschi G, Bonavita S. Readability Analysis of Online Headache and Migraine Information. *Headache*. 2020 Jul;60(7):1317-1324. doi: 10.1111/head.13818. Epub 2020 May 28. PMID: 32463516.

34: Trojsi F, D'Alvano G, Bonavita S, Tedeschi G. Genetics and Sex in the Pathogenesis of Amyotrophic Lateral Sclerosis (ALS): Is There a Link? *Int J Mol Sci*. 2020 May 21;21(10):3647. doi: 10.3390/ijms21103647. PMID: 32455692; PMCID: PMC7279172.

35: Signoriello E, Bonavita S, Di Pietro A, Abbadessa G, Rossi F, Miele G, Casertano S, Lus G. BMI influences CD20 kinetics in multiple sclerosis patients treated with ocrelizumab. *Mult Scler Relat Disord*. 2020 Aug;43:102186. doi: 10.1016/j.msard.2020.102186. Epub 2020 May 17. PMID: 32450508.

36: Moccia M, Lanzillo R, Brescia Morra V, Bonavita S, Tedeschi G, Leocani L, Lavorgna L; 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 Jun;41(6):1369-1371. doi: 10.1007/s10072-020-04470-x. Epub 2020 May 21. PMID: 32440979; PMCID: PMC7241064.

37: 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 Aug;120(4):1007-1009. doi: 10.1007/s13760-020-01381-8. Epub 2020 May 20. PMID: 32436078.

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42: 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, Rasia S, Cordioli C, Stromillo ML, Cerqua R, Pontecorvo S, Di Sapio 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 Jul;42:102059. doi: 10.1016/j.msard.2020.102059. Epub 2020 Mar 16. PMID: 32208344.

43: Bruno G, Miele G, Abbadessa G, Di Pietro A, Russo C, Negro A, Bonavita S, Puoti G. Atypical progressive multifocal leukoencephalopathy in a kidney transplant recipient with improving symptoms after immunocompetence recovery.

Infez Med. 2020 Mar 1;28(1):87-90. PMID: 32172266.

44: Mantovani LG, Cozzolino P, Cortesi PA, Patti F; SA.FE. study group. Cost-Effectiveness Analysis of Cannabinoid Oromucosal Spray Use for the Management of Spasticity in Subjects with Multiple Sclerosis. Clin Drug Investig. 2020 Apr;40(4):319-326. doi: 10.1007/s40261-020-00895-6. PMID: 32130684.

45: Bisecco A, Altieri M, Santangelo G, Di Nardo F, Docimo R, Caiazzo G, Capuano R, Pappacena S, d'Ambrosio A, Bonavita S, Trojsi F, Cirillo M, Esposito F, Tedeschi G, Gallo A. Resting-State Functional Correlates of Social Cognition in Multiple Sclerosis: An Explorative Study. Front Behav Neurosci. 2020 Feb 6;13:276. doi: 10.3389/fnbeh.2019.00276. PMID: 32116584; PMCID: PMC7016209.

46: Signoriello E, Bonavita S, Sinisi L, Russo CV, Maniscalco GT, Casertano S, Saccà F, Lanzillo R, Morra VB, Lus G. Is antibody titer useful to verify the immunization after VZV Vaccine in MS patients treated with Fingolimod? A case series. Mult Scler Relat Disord. 2020 May;40:101963. doi: 10.1016/j.msard.2020.101963. Epub 2020 Jan 20. PMID: 31986424.

47: Bisecco A, Capuano R, Caiazzo G, d'Ambrosio A, Docimo R, Cirillo M, Russo A, Altieri M, Bonavita S, Rocca MA, Filippi M, Tedeschi G, Gallo A. Regional changes in thalamic shape and volume are related to cognitive performance in multiple sclerosis. Mult Scler. 2021 Jan;27(1):134-138. doi: 10.1177/1352458519892552. Epub 2019 Dec 3. PMID: 31793399.

48: Lanzillo R, Moccia M, Palladino R, Signoriello E, Carotenuto A, Maniscalco GT, Saccà F, Bonavita S, Russo CV, Iodice R, Petruzzio 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. 2020 Feb;38:101871. doi: 10.1016/j.msard.2019.101871. Epub 2019 Nov 25. PMID: 31786463.

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50: Zecca C, Bovis F, Novi G, Capobianco M, Lanzillo R, Frau J, Repice AM, Hakiki B, Realmuto S, Bonavita S, Curti E, Brambilla L, Mataluni G, Cavalla P, Di Sapio A, Signoriello E, Barone S, Maniscalco GT, Maietta I, Maraffi I, Boffa G, Malucchi S, Nozzolillo A, Coghe G, Mechi C, Salemi G, Gallo A, Sacco R, Cellerino M, Malentacchi M, De Angelis M, Loreface L, Magnani E, Prestipino E, Sperli F, Brescia Morra V, Fenu G, Barilaro A, Abbadessa G, Signori A, Granella F, Amato MP, Uccelli A, Gobbi C, Sormani MP. Treatment of multiple sclerosis with rituximab: A multicentric Italian-Swiss experience. Mult Scler. 2020 Oct;26(12):1519-1531. doi: 10.1177/1352458519872889. Epub 2019 Oct 1. PMID: 31573386.

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