

Carlo Trompetto, MD, PhD

CURRICULUM VITAE

Personal information:

Name and Surname: Carlo Trompetto

Date of birth: 02-03-1966

Address: Department of Neuroscience, University of Genoa, Largo Daneo 3, Genova, Italy.

Foreign languages known: English

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Education:

- Classical high school degree: liceo “G. Mazzini” of Genova (1985), full marks (60/60)
- MD graduation: University of Genova (1992), full marks cum laude
- Specialization in Neurology at University of Genova (1996), full marks cum laude
- Visiting Researcher at the Human Movement and Balance Unit, Institute of Neurology, Queen Square, London from 1996 to 1997
- Specialization in Physical Medicine and Rehabilitation at University of Pisa (2014), full marks cum laude
- PhD in Neurophysiology and Neuropharmacology: University of Genoa, Faculty of Medicine (2001)

Previous positions:

- Assistant professor of Neurology at the Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics and Maternal-Infantile Sciences (DINOgMI) of the University of Genoa (1999-2007)
- Assistant professor of Physical Medicine and Rehabilitation at the Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics and Maternal-Infantile Sciences (DINOgMI) of the University of Genoa (2007-2017)
- Associate professor of Physical Medicine and Rehabilitation at the Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics and Maternal-Infantile Sciences (DINOgMI) of the University of Genoa (2017-2021)

Current positions:

- Full professor of Physical Medicine and Rehabilitation at the Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics and Maternal-Infantile Sciences (DINOgMI) of the University of Genoa
- Head of the Neuro-rehabilitation Unit of the University of Genova, Ospedale Policlinico San Martino-IRCCS
- Head of the School of Specialization in Physical Medicine and Rehabilitation University of Genova

Areas of previous research activity:

- Neuro-rehabilitation
- Brain plasticity

- motor control
- upper motor neuron syndrome (UMNS)
- movement disorders
- botulinum toxin treatment of spasticity and dystonia

Other Scientific Activities:

- Since 2011, reviewer activity for international journals (including: Experimental Brain Research, European Journal of Rehabilitation Medicine; Frontiers in Neurology).
- Member of the Editorial board of: Frontiers in Neurology
- Since 2001, invited speakers in several National and International conferences.

Programs for the future:

- identify new rehabilitation strategies for the management of UMNS patients

Previous funded projects

Bando Ministero della salute 2016. Project Type: Network Project/Progetti di Rete. Titolo progetto: “Development and implementation of common strategy for the management of community dwelling older subjects with multimorbidity and polypharmacy: integration with a multicomponent intervention platform by using domotic, robotic and telecare systems”. Ruolo: Principal Investigator WP4.

Progetto promosso dall'Istituto Italiano di Tecnologia (IIT), anno 2017: “Utilizzo di SofHand X nei soggetti con ipostenia dell'arto superiore conseguente a stroke”. Ruolo: Principal Investigator.

Progetto finanziato dall'Accademia LIMPE/DISMOV: “Qualità della vita nei pazienti affetti da malattia di Parkinson”. (No-Profit; anno 2016). Ruolo: collaboratore.

Bando Fondazione Italiana Sclerosi Multipla (FISM) 2016. Titolo progetto: “La distonia spastica nella sclerosi multipla: il lato oscuro dell'ipertono muscolare”. Ruolo: Principal Investigator.

Progetto finanziato dall'Accademia LIMPE/DISMOV: “Studio osservazionale di coorte sulla frequenza ed i fattori predittivi di caduta nei pazienti con malattia di Parkinson”. (No-profit; anno 2012). Ruolo: collaboratore.

Progetto di Ricerca di Ateneo (Università degli Studi di Genova) 2011: “Prevenzione e rischio di cadute: studio dell'efficacia di un protocollo riabilitativo sperimentale in pazienti affetti da Malattia di Parkinson e soggetti anziani”. Ruolo: Collaboratore.

Bando Fondazione Italiana Sclerosi Multipla (FISM) 2011. Titolo progetto: “Effetto delle onde d'urto sulla rigidità della caviglia nei pazienti affetti da Sclerosi Multipla”. Ruolo: Principal Investigator.

Progetto Europeo 7° Programma Quadro. THEME [HEALTH. 2011.2.2.2-1] [Investigator-driven clinical trials for therapeutic interventions in elderly populations]. Titolo del progetto: "Virtual Reality-Treadmill combined Intervention for enhancing Mobility and reducing falls in

the Elderly ". Grant agreement n°: 278169. (Total cost Euro: 7.499.223,20). Ruolo: Key staff member.

Progetto di Ricerca di Ateneo (Università degli Studi di Genova) 2010: "Studio neurofisiologico e cinematico nei pazienti con distonia secondaria a lesione encefalica focale". Ruolo: Responsabile Scientifico.

Bando programmi di ricerca scientifica di rilevante interesse nazionale (PRIN) 2007. Titolo progetto: "studio in risonanza magnetica funzionale dell'attivazione corticale in risposta a stimolazione vibratoria nei pazienti con distonia focale primaria dell'adulto". Ruolo: Partecipante al programma di ricerca.

Bando programmi di ricerca scientifica di rilevante interesse nazionale (PRIN) 2005. Titolo progetto: "Modificazioni plastiche del Sistema nervoso durante l'apprendimento motorio: uno studio neurofisiologico nell'arto superiore." Ruolo: Responsabile Scientifico dell'Unità di ricerca.

Bando Fondazione Italiana Sclerosi Multipla (FISM) 2003. Titolo progetto: "l'inibizione transcallosale nei pazienti affetti da Sclerosi Multipla". Ruolo: Principal Investigator.

Bando programmi di ricerca scientifica di rilevante interesse nazionale (PRIN) 2003. Titolo progetto: "Influenze dell'attivazione protratta delle afferenze propriocettive sulla eccitabilità cortico-motoneuronale in pazienti con distonia focale o segmentale". Ruolo: Partecipante al programma di ricerca.

Scientific Publications: Author of 101 scientific publications (in international peer-reviewed journals). Concerning publication indexed on international databases (Scopus, 12/02/2022): H-index: 27.

List of publications:

1: Trompetto C, Marinelli L, Mori L, Puce L, Avanti C, Saretti E, Biasotti G, Amella R, Cotellessa F, Restivo DA, Currà A. Effectiveness of Botulinum Toxin on Pain in Stroke Patients Suffering from Upper Limb Spastic Dystonia. *Toxins* (Basel). 2022 Jan 5;14(1):39. doi: 10.3390/toxins14010039. PMID: 35051017; PMCID: PMC8780435.

2: Trombini M, Ferraro F, Iaconi G, Vestito L, Bandini F, Mori L, Trompetto C, Dellepiane S. A Study Protocol for Occupational Rehabilitation in Multiple Sclerosis. *Sensors* (Basel). 2021 Dec 17;21(24):8436. doi: 10.3390/s21248436. PMID: 34960529; PMCID: PMC8707782.

3: Currà A, Marinelli L, Cotellessa F, Mori L, Avanti C, Greco D, Gorini M, Missori P, Fattapposta F, Trompetto C. Habituation of Somatosensory Evoked Potentials in Patients with Alzheimer's Disease and Those with Vascular Dementia. *Medicina* (Kaunas). 2021 Dec 14;57(12):1364. doi: 10.3390/medicina57121364. PMID: 34946308; PMCID: PMC8708528.

4: Trombini M, Ferraro F, Nardelli A, Vestito L, Schenone G, Mori L, Trompetto C, Dellepiane S. On the performance assessment during the practice of an exergame for cerebellar ataxia

patients. *Annu Int Conf IEEE Eng Med Biol Soc.* 2021 Nov;2021:5747-5751. doi: 10.1109/EMBC46164.2021.9630289. PMID: 34892425.

5: Mori L, Campanella W, Vestito L, Marinelli L, Benedetti L, Cocito L, Trompetto C. I can't count, but I can beat you playing cards: a case report on autoimmune encephalitis. *BMC Neurol.* 2021 Sep 10;21(1):347. doi: 10.1186/s12883-021-02370-x. PMID: 34507555; PMCID: PMC8431866.

6: Currà A, Gasbarrone R, Cardillo A, Fattapposta F, Missori P, Marinelli L, Bonifazi G, Serranti S, Trompetto C. In vivo non-invasive near-infrared spectroscopy distinguishes normal, post-stroke, and botulinum toxin treated human muscles. *Sci Rep.* 2021 Sep 3;11(1):17631. doi: 10.1038/s41598-021-96547-6. PMID: 34480037; PMCID: PMC8417034.

7: Crisafulli O, Trompetto C, Puce L, Marinelli L, Costi S, Abbruzzese G, Avanzino L, Pelosin E. Dual task gait deteriorates gait performance in cervical dystonia patients: a pilot study. *J Neural Transm (Vienna).* 2021 Nov;128(11):1677-1685. doi: 10.1007/s00702-021-02393-1. Epub 2021 Jul 29. PMID: 34324056; PMCID: PMC8536592.

8: Puce L, Currà A, Marinelli L, Mori L, Capello E, Di Giovanni R, Bodrero M, Solaro C, Cotellessa F, Fattapposta F, Trompetto C. Spasticity, spastic dystonia, and static stretch reflex in hypertonic muscles of patients with multiple sclerosis. *Clin Neurophysiol Pract.* 2021 Jun 16;6:194-202. doi: 10.1016/j.cnp.2021.05.002. PMID: 34278056; PMCID: PMC8263531.

9: Puce L, Pallecchi I, Chamari K, Marinelli L, Innocenti T, Pedrini R, Mori L, Trompetto C. Systematic Review of Fatigue in Individuals With Cerebral Palsy. *Front Hum Neurosci.* 2021 Mar 15;15:598800. doi: 10.3389/fnhum.2021.598800. PMID: 33790748; PMCID: PMC8005578.

10: Puce L, Pallecchi I, Marinelli L, Mori L, Bove M, Diotti D, Ruggeri P, Faelli E, Cotellessa F, Trompetto C. Surface Electromyography Spectral Parameters for the Study of Muscle Fatigue in Swimming. *Front Sports Act Living.* 2021 Feb 19;3:644765. doi: 10.3389/fspor.2021.644765. PMID: 33681763; PMCID: PMC7933468.

11: Marinelli L, Mori L, Avanti C, Cotellessa F, Fabbri S, Schenone C, Trompetto C. Meralgia Paraesthetica after Prone Position Ventilation in a Patient with COVID-19. *Eur J Case Rep Intern Med.* 2020 Nov 16;7(12):002039. doi: 10.12890/2020_002039. PMID: 33313017; PMCID: PMC7727637.

12: Vestito L, Trombini M, Mori L, Dellepiane S, Trompetto C, Morando M, Bandini F. Improved visuospatial neglect after tDCS and computer-assisted cognitive training in Posterior Cortical Atrophy: a single-case study. *Neurocase.* 2021 Feb;27(1):57-63. doi: 10.1080/13554794.2020.1862242. Epub 2020 Dec 17. PMID: 33332244.

13: Currà A, Gasbarrone R, Trompetto C, Fattapposta F, Pierelli F, Missori P, Bonifazi G, Serranti S. A dataset of visible - short wave infrared reflectance spectra collected *in-vivo*

on the dorsal and ventral aspect of arms. *Data Brief.* 2020 Nov 2;33:106480. doi: 10.1016/j.dib.2020.106480. PMID: 33251301; PMCID: PMC7683223.

14: Campanella W, Pedrini R, Vestito L, Marinelli L, Trompetto C, Mori L. Transcranial Direct Current Stimulation in the Treatment of Subacute Post-Stroke Thalamic Aphasia. *Eur J Case Rep Intern Med.* 2020 Sep 3;7(11):001794. doi: 10.12890/2020_001794. PMID: 33194851; PMCID: PMC7654988.

15: Trombini M, Vestito L, Morando M, Mori L, Trompetto C, Bandini F, Dellepiane S. Unilateral spatial neglect rehabilitation supported by a digital solution: two case-studies. *Annu Int Conf IEEE Eng Med Biol Soc.* 2020 Jul;2020:3670-3675. doi: 10.1109/EMBC44109.2020.9175834. PMID: 33018797.

16: Mannarelli D, Pauletti C, Petritis A, Delle Chiaie R, Currà A, Trompetto C, Fattapposta F. Effects of Cerebellar tDCS on Inhibitory Control: Evidence from a Go/NoGo Task. *Cerebellum.* 2020 Dec;19(6):788-798. doi: 10.1007/s12311-020-01165-z. PMID: 32666284; PMCID: PMC7588382.

17: Nataletti S, Leo F, Seminara L, Trompetto C, Valle M, Dosen S, Brayda L. Temporal Asynchrony but Not Total Energy Nor Duration Improves the Judgment of Numerosity in Electrotactile Stimulation. *Front Bioeng Biotechnol.* 2020 Jun 19;8:555. doi: 10.3389/fbioe.2020.00555. PMID: 32656190; PMCID: PMC7325877.

18: Bartolo M, Intiso D, Lentino C, Sandrini G, Paolucci S, Zampolini M; Board of the Italian Society of Neurological Rehabilitation (SIRN). Urgent Measures for the Containment of the Coronavirus (Covid-19) Epidemic in the Neurorehabilitation/Rehabilitation Departments in the Phase of Maximum Expansion of the Epidemic. *Front Neurol.* 2020 Apr 30;11:423. doi: 10.3389/fneur.2020.00423. PMID: 32425880; PMCID: PMC7205014.

19: Trompetto C, Currà A, Puce L, Mori L, Pallecchi I, Gazzola P, Fabbri S, Uccelli A, Novi G, Crisafulli O, Serrati C, Marinelli L. Ghost spasticity in multiple sclerosis. *J Electromyogr Kinesiol.* 2020 Apr;51:102408. doi: 10.1016/j.jelekin.2020.102408. Epub 2020 Feb 20. PMID: 32120056.

20: Marinelli L, Maggi D, Trompetto C, Renzetti P. Neuroradiological Evolution of Glycaemic Hemichorea-Hemiballism and the Possible Role of Brain Hypoperfusion. *Eur J Case Rep Intern Med.* 2019 Oct 23;6(11):001257. doi: 10.12890/2019_001257. PMID: 31890704; PMCID: PMC6886634.

21: Boccuni L, Meyer S, D'cruz N, Kessner SS, Marinelli L, Trompetto C, Peeters A, Van Pesch V, Duprez T, Sunaert S, Feys H, Thijs V, Nieuwboer A, Verheyden G. Premotor dorsal white matter integrity for the prediction of upper limb motor impairment after stroke. *Sci Rep.* 2019 Dec 23;9(1):19712. doi: 10.1038/s41598-019-56334-w. PMID: 31873186; PMCID: PMC6928144.

22: Currà A, Pierelli F, Gasbarrone R, Mannarelli D, Nofroni I, Matone V, Marinelli L, Trompetto C, Fattapposta F, Missori P. The Ventricular System Enlarges Abnormally in the Seventies, Earlier in Men, and First in the Frontal Horn: A Study Based on More Than 3,000 Scans. *Front Aging Neurosci.* 2019 Nov 5;11:294. doi: 10.3389/fnagi.2019.00294. PMID: 31749695; PMCID: PMC6848156.

23: Comi G, Solari A, Leocani L, Centonze D, Otero-Romero S; Italian Consensus Group on treatment of spasticity in multiple sclerosis. Italian consensus on treatment of spasticity in multiple sclerosis. *Eur J Neurol.* 2020 Mar;27(3):445-453. doi: 10.1111/ene.14110. Epub 2019 Dec 3. PMID: 31652369.

24: Mori L, Signori A, Prada V, Pareyson D, Piscosquito G, Padua L, Pazzaglia C, Fabrizi GM, Picelli A, Schenone A; TreSPE study group. Treadmill training in patients affected by Charcot-Marie-Tooth neuropathy: results of a multicenter, prospective, randomized, single-blind, controlled study. *Eur J Neurol.* 2020 Feb;27(2):280-287. doi: 10.1111/ene.14074. Epub 2019 Sep 25. PMID: 31444929; PMCID: PMC6973058.

25: Puce L, Marinelli L, Girtler NG, Pallecchi I, Mori L, Simonini M, Trompetto C. Self-Perceived Psychophysical Well-Being of Young Competitive Swimmers With Physical or Intellectual Impairment. *Percept Mot Skills.* 2019 Oct;126(5):862-885. doi: 10.1177/0031512519865849. Epub 2019 Jul 30. PMID: 31362582.

26: Putzolu M, Ogliastro C, Lagravinese G, Bonassi G, Trompetto C, Marchese R, Avanzino L, Pelosin E. Investigating the effects of transcranial direct current stimulation on obstacle negotiation performance in Parkinson disease with freezing of gait: A pilot study. *Brain Stimul.* 2019 Nov-Dec;12(6):1583-1585. doi: 10.1016/j.brs.2019.07.006. Epub 2019 Jul 12. PMID: 31326366.

27: Mori L, Putzolu M, Bonassi G, Galeoto G, Mezzarobba S, Trompetto C, Avanzino L, Marchese R, Abbruzzese G, Pelosin E. Haptic perception of verticality correlates with postural and balance deficits in patients with Parkinson's disease. *Parkinsonism Relat Disord.* 2019 Sep;66:45-50. doi: 10.1016/j.parkreldis.2019.06.026. Epub 2019 Jul 2. PMID: 31279636.

28: Currà A, Gasbarrone R, Cardillo A, Trompetto C, Fattapposta F, Pierelli F, Missori P, Bonifazi G, Serranti S. Near-infrared spectroscopy as a tool for in vivo analysis of human muscles. *Sci Rep.* 2019 Jun 13;9(1):8623. doi: 10.1038/s41598-019-44896-8. PMID: 31197189; PMCID: PMC6565698.

29: Trompetto C, Marinelli L, Puce L, Mori L, Serrati C, Fattapposta F, Currà A. "Spastic dystonia" or "Inability to voluntary silence EMG activity"? Time for clarifying the nomenclature. *Clin Neurophysiol.* 2019 Jun;130(6):1076-1077. doi: 10.1016/j.clinph.2019.03.009. Epub 2019 Mar 27. PMID: 30952436.

30: Trompetto C, Currà A, Puce L, Mori L, Serrati C, Fattapposta F, Abbruzzese G, Marinelli L. Spastic dystonia in stroke subjects: prevalence and features of the neglected phenomenon of the

upper motor neuron syndrome. *Clin Neurophysiol.* 2019 Apr;130(4):521-527. doi: 10.1016/j.clinph.2019.01.012. Epub 2019 Feb 6. PMID: 30776732.

31: Puce L, Marinelli L, Pierantozzi E, Mori L, Pallecchi I, Bonifazi M, Bove M, Franchini E, Trompetto C. Training methods and analysis of races of a top level Paralympic swimming athlete. *J Exerc Rehabil.* 2018 Aug 24;14(4):612-620. doi: 10.12965/jer.1836254.127. PMID: 30276182; PMCID: PMC6165978.

32: Boccuni L, Meyer S, Kessner SS, De Bruyn N, Essers B, Cheng B, Thomalla G, Peeters A, Sunaert S, Duprez T, Marinelli L, Trompetto C, Thijs V, Verheyden G. Is There Full or Proportional Somatosensory Recovery in the Upper Limb After Stroke? Investigating Behavioral Outcome and Neural Correlates. *Neurorehabil Neural Repair.* 2018 Aug;32(8):691-700. doi: 10.1177/1545968318787060. Epub 2018 Jul 10. PMID: 29991331.

33: Puce L, Marinelli L, Mori L, Pallecchi I, Trompetto C. Protocol for the study of self-perceived psychological and emotional well-being of young Paralympic athletes. *Health Qual Life Outcomes.* 2017 Nov 13;15(1):219. doi: 10.1186/s12955-017-0798-2. PMID: 29132378; PMCID: PMC5683577.

34: Marinelli L, Currà A, Trompetto C, Capello E, Serrati C, Fattapposta F, Pelosin E, Phadke C, Aymard C, Puce L, Molteni F, Abbruzzese G, Bandini F. Spasticity and spastic dystonia: the two faces of velocity-dependent hypertonia. *J Electromyogr Kinesiol.* 2017 Dec;37:84-89. doi: 10.1016/j.jelekin.2017.09.005. Epub 2017 Sep 27. PMID: 28985544.

35: Marinelli L, Balestrino M, Mori L, Puce L, Rosa GM, Giorello L, Currà A, Fattapposta F, Serrati C, Gandolfo C, Abbruzzese G, Trompetto C. A randomised controlled cross-over double-blind pilot study protocol on THC:CBD oromucosal spray efficacy as an add-on therapy for post-stroke spasticity. *BMJ Open.* 2017 Sep 7;7(9):e016843. doi: 10.1136/bmjopen-2017-016843. PMID: 28882919; PMCID: PMC5595207.

36: Marinelli L, Trompetto C, Canneva S, Mori L, Nobili F, Fattapposta F, Currà A, Abbruzzese G, Ghilardi MF. Learning "How to Learn": Super Declarative Motor Learning Is Impaired in Parkinson's Disease. *Neural Plast.* 2017;2017:3162087. doi: 10.1155/2017/3162087. Epub 2017 Jul 30. PMID: 28828186; PMCID: PMC5554559.

37: Trompetto C, Marinelli L, Mori L, Puce L, Pelosin E, Serrati C, Fattapposta F, Rinalduzzi S, Abbruzzese G, Currà A. Do flexible inter-injection intervals improve the effects of botulinum toxin A treatment in reducing impairment and disability in patients with spasticity? *Med Hypotheses.* 2017 May;102:28-32. doi: 10.1016/j.mehy.2017.03.011. Epub 2017 Mar 7. PMID: 28478825.

38: Marinelli L, Trompetto C, Ghilardi MF. Brain temperature as a measure of misfolded proteins metabolism. *Med Hypotheses.* 2017 Apr;101:11. doi: 10.1016/j.mehy.2017.02.001. Epub 2017 Feb 8. PMID: 28351481.

- 39: Marinelli L, Mori L, Pardini M, Beversdorf D, Cocito L, Currà A, Fattapposta F, Ghilardi MF, Abbruzzese G, Trompetto C. Electromyographic assessment of paratonia. *Exp Brain Res*. 2017 Mar;235(3):949-956. doi: 10.1007/s00221-016-4854-7. Epub 2016 Dec 20. PMID: 27999892.
- 40: Mori L, Marinelli L, Pelosin E, Gambaro M, Trentini R, Abbruzzese G, Trompetto C. Radial shock wave therapy: effect on pain and motor performance in a paralympic athlete. *Eur J Phys Rehabil Med*. 2017 Apr;53(2):286-289. doi: 10.23736/S1973-9087.16.03991-5. Epub 2016 Nov 8. PMID: 27824235.
- 41: Pelosin E, Avanzino L, Barella R, Bet C, Magioncalda E, Trompetto C, Ruggeri P, Casaleggio M, Abbruzzese G. Treadmill training frequency influences walking improvement in subjects with Parkinson's disease: a randomized pilot study. *Eur J Phys Rehabil Med*. 2017 Apr;53(2):201-208. doi: 10.23736/S1973-9087.16.04301-X. Epub 2016 Jul 19. PMID: 27434611.
- 42: Marinelli L, Mori L, Canneva S, Colombano F, Currà A, Fattapposta F, Bandini F, Capello E, Abbruzzese G, Trompetto C. The effect of cannabinoids on the stretch reflex in multiple sclerosis spasticity. *Int Clin Psychopharmacol*. 2016 Jul;31(4):232-9. doi: 10.1097/YIC.000000000000126. PMID: 27003093.
- 43: Rinalduzzi S, Serafini M, Capozza M, Accornero N, Missori P, Trompetto C, Fattapposta F, Currà A. Stance Postural Strategies in Patients with Chronic Inflammatory Demyelinating Polyradiculoneuropathy. *PLoS One*. 2016 Mar 15;11(3):e0151629. doi: 10.1371/journal.pone.0151629. PMID: 26977594; PMCID: PMC4792479.
- 44: Mannarelli D, Pauletti C, De Lucia MC, Delle Chiaie R, Bersani FS, Spagnoli F, Minichino A, Currà A, Trompetto C, Fattapposta F. Effects of cerebellar transcranial direct current stimulation on attentional processing of the stimulus: Evidence from an event-related potentials study. *Neuropsychologia*. 2016 Apr;84:127-35. doi: 10.1016/j.neuropsychologia.2016.02.002. Epub 2016 Feb 12. PMID: 26878981.
- 45: Molfetta L, Trompetto C, Silvestri E. Medical treatment of joint prosthesis: indication, opportunities and liability profiles. *J Biol Regul Homeost Agents*. 2015 Oct-Dec;29(4):1007-11. PMID: 26753668.
- 46: Marinelli L, Piccardo A, Mori L, Morbelli S, Girtler N, Castaldi A, Picco A, Trompetto C, Ghilardi MF, Abbruzzese G, Nobili F. Orbitofrontal (18) F-DOPA Uptake and Movement Preparation in Parkinson's Disease. *Parkinsons Dis*. 2015;2015:180940. doi: 10.1155/2015/180940. Epub 2015 Jun 11. PMID: 26171275; PMCID: PMC4480935.
- 47: Trentini R, Mangano T, Repetto I, Cerruti P, Kuqi E, Trompetto C, Franchin F. Short- to mid-term follow-up effectiveness of US-guided focal extracorporeal shock wave therapy in the treatment of elbow lateral epicondylitis. *Musculoskelet Surg*. 2015 Sep;99 Suppl 1:S91-7. doi: 10.1007/s12306-015-0361-4. Epub 2015 May 10. PMID: 25957547.

- 48: Rinalduzzi S, Trompetto C, Marinelli L, Alibardi A, Missori P, Fattapposta F, Pierelli F, Currà A. Balance dysfunction in Parkinson's disease. *Biomed Res Int.* 2015;2015:434683. doi: 10.1155/2015/434683. Epub 2015 Jan 14. PMID: 25654100; PMCID: PMC4310258.
- 49: Trompetto C, Marinelli L, Mori L, Pelosin E, Currà A, Molfetta L, Abbruzzese G. Pathophysiology of spasticity: implications for neurorehabilitation. *Biomed Res Int.* 2014;2014:354906. doi: 10.1155/2014/354906. Epub 2014 Oct 30. PMID: 25530960; PMCID: PMC4229996.
- 50: Abbruzzese G, Trompetto C, Mori L, Pelosin E. Proprioceptive rehabilitation of upper limb dysfunction in movement disorders: a clinical perspective. *Front Hum Neurosci.* 2014 Nov 25;8:961. doi: 10.3389/fnhum.2014.00961. PMID: 25505402; PMCID: PMC4243688.
- 51: Mori L, Marinelli L, Pelosin E, Currà A, Molfetta L, Abbruzzese G, Trompetto C. Shock waves in the treatment of muscle hypertonia and dystonia. *Biomed Res Int.* 2014;2014:637450. doi: 10.1155/2014/637450. Epub 2014 Sep 17. PMID: 25309915; PMCID: PMC4182298.
- 52: Marinelli L, Mori L, Solaro C, Uccelli A, Pelosin E, Currà A, Molfetta L, Abbruzzese G, Trompetto C. Effect of radial shock wave therapy on pain and muscle hypertonia: a double-blind study in patients with multiple sclerosis. *Mult Scler.* 2015 Apr;21(5):622-9. doi: 10.1177/1352458514549566. Epub 2014 Sep 25. PMID: 25257616.
- 53: Franceschini M, Iocco M, Molteni F, Santamato A, Smania N; Italian Spasticity Study Group. Management of stroke patients submitted to botulinum toxin type A therapy: a Delphi survey of an Italian expert panel of specialist injectors. *Eur J Phys Rehabil Med.* 2014 Oct;50(5):525-33. Epub 2014 Jun 19. PMID: 24963604.
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