Enhanced neural drive after maximal strength training

European Journal of Applied Physiology 110, 435-443 DOI: 10.1007/s00421-010-1519-2

Citation Report

#	Article	IF	CITATIONS
1	Test-Retest Reliability of V-Wave Responses in the Soleus and Gastrocnemius Medialis. Journal of Clinical Neurophysiology, 2011, 28, 217-221.	1.7	22
2	Neuromuscular performance of paretic versus non-paretic plantar flexors after stroke. European Journal of Applied Physiology, 2011, 111, 3041-3049.	2.5	43
3	Diurnal Variation in Wingate-Test Performance and Associated Electromyographic Parameters. Chronobiology International, 2011, 28, 706-713.	2.0	92
4	Muscular and Gait Abnormalities in Persons With Early Onset Multiple Sclerosis. Journal of Neurologic Physical Therapy, 2011, 35, 164-169.	1.4	76
5	The effect of exercise therapy on fatigue in multiple sclerosis. Multiple Sclerosis Journal, 2011, 17, 1041-1054.	3.0	184
6	Time of Day Effects on Repeated Sprint Ability. International Journal of Sports Medicine, 2012, 33, 975-980.	1.7	57
7	RIMS Oral Sessions. Multiple Sclerosis Journal, 2012, 18, S15-S24.	3.0	5
8	Exercise and disease progression in multiple sclerosis: can exercise slow down the progression of multiple sclerosis?. Therapeutic Advances in Neurological Disorders, 2012, 5, 81-95.	3.5	152
9	Multiple sclerosis and progressive resistance training: a systematic review. Multiple Sclerosis Journal, 2012, 18, 1215-1228.	3.0	194
10	Neural drive increases following resistance training in patients with multiple sclerosis. Journal of Neurology, 2013, 260, 1822-1832.	3.6	48
11	Effects of Exercise Training on Fitness, Mobility, Fatigue, and Health-Related Quality of Life Among Adults With Multiple Sclerosis: A Systematic Review to Inform Guideline Development. Archives of Physical Medicine and Rehabilitation, 2013, 94, 1800-1828.e3.	0.9	486
12	Effects of Exercise Training on Fatigue in Multiple Sclerosis. Psychosomatic Medicine, 2013, 75, 575-580.	2.0	231
14	M-wave, H- and V-Reflex Recruitment Curves During Maximal Voluntary Contraction. Journal of Clinical Neurophysiology, 2013, 30, 415-421.	1.7	28
15	Structural brain changes after 4 wk of unilateral strength training of the lower limb. Journal of Applied Physiology, 2013, 115, 167-175.	2.5	35
16	Experimental and Simulated EMG Responses in the Study of the Human Spinal Cord. , 2013, , .		1
17	Neuroendocrine Immunoregulation in Multiple Sclerosis. Clinical and Developmental Immunology, 2013, 2013, 1-23.	3.3	46
18	Effect of Combination Exercise Therapy on Walking Distance, Postural Balance, Fatigue and Quality of Life in Multiple Sclerosis Patients: A Clinical Trial Study. Iranian Red Crescent Medical Journal, 2014, 16, e17173.	0.5	37
19	Endurance and resistance training in rehabilitation of patients with multiple sclerosis. Vojnosanitetski Pregled, 2014, 71, 963-968.	0.2	2

ARTICLE IF CITATIONS # Asymmetric glucose uptake in leg muscles of patients with Multiple Sclerosis during walking detected 20 1.3 38 by [18F]-FDG PET/CT. NeuroRehabilitation, 2014, 35, 813-823. Progressive resistance therapy is not the best way to rehabilitate deficits due to multiple sclerosis: No. Multiple Sclerosis Journal, 2014, 20, 141-142. Isolated Core Training Improves Sprint Performance in National-Level Junior Swimmers. International 22 2.3 66 Journal of Sports Physiology and Performance, 2015, 10, 204-210. Exercise therapy for fatigue in multiple sclerosis. The Cochrane Library, 2015, 2015, CD009956. Neuromuscular adaptations to long-term progressive resistance training translates to improved functional capacity for people with multiple sclerosis and is maintained at follow-up. Multiple 24 3.0 73 Sclerosis Journal, 2015, 21, 599-611. Strength training-induced responses in older adults: attenuation of descending neural drive with age. Age, 2015, 37, 9784. A Systematic Review and Meta-Analysis of Strength Training in Individuals With Multiple Sclerosis Or 26 1.0 93 Parkinson Disease. Medicine (United States), 2015, 94, e411. 9 Structure and Function of Skeletal Muscle., 2016, , . The Effect of Maximal Strength Training on Strength, Walking, and Balance in People with Multiple 28 0.8 14 Sclerosis: A Pilot Study. Multiple Sclerosis International, 2016, 2016, 1-6. Maximal strength training as physical rehabilitation for patients with substance use disorder; a 1.7 randomized controlled trial. BMC Sports Science, Medicine and Rehabilitation, 2016, 8, 7. Reduced Voluntary Activation During Brief and Sustained Contractions of a Hand Muscle in Secondary-Progressive Multiple Sclerosis Patients. Neurorehabilitation and Neural Repair, 2016, 30, 30 2.9 27 307-316. Effect of Exercise Training on Fitness in Multiple Sclerosis: A Meta-Analysis. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1564-1572. High-intensity resistance training in multiple sclerosis â€" An exploratory study of effects on immune markers in blood and cerebrospinal fluid, and on mood, fatigue, health-related quality of life, muscle strength, walking and cognition. Journal of the Neurological Sciences, 2016, 362, 251-257. 32 0.6 59 Multiple sclerosis influences the precision of the ankle plantarflexon muscular force production. 1.4 Gait and Posture, 2016, 45, 170-174. The Assessment of Motor Fatigability in Persons With Multiple Sclerosis: A Systematic Review. 34 2.9 65 Neurorehabilitation and Neural Repair, 2017, 31, 413-431. Time course of strength adaptations following high-intensity resistance training in individuals with multiple sclerosis. European Journal of Applied Physiology, 2017, 117, 731-743. Reliability of quadriceps surface electromyography measurements is improved by two vs. single site 36 2.529 recordings. European Journal of Applied Physiology, 2017, 117, 1085-1094. Muscle carnitine availability plays a central role in regulating fuel metabolism in the rodent. Journal of Physiology, 2017, 595, 5765-5780.

ARTICLE IF CITATIONS Muscle strength and power in persons with multiple sclerosis $\hat{a} \in A$ systematic review and 38 0.6 99 meta-analysis. Journal of the Neurological Sciences, 2017, 376, 225-241. Assessing muscle strength for the purpose of classification in Paralympic sport: A review and 39 1.3 recommendations. Journal of Science and Medicine in Sport, 2017, 20, 391-396. Neural Plasticity with Age: Unilateral Maximal Strength Training Augments Efferent Neural Drive to the Contralateral Limb in Older Adults. Journals of Gerontology - Series A Biological Sciences and 40 3.6 31 Medical Sciences, 2018, 73, 596-602. Effectiveness of Foot Biomechanical Orthoses to Relieve Patients Suffering from Plantar<i>Fasciitis</i>: Is the Reduction of Pain Related to Change in Neural Strategy?. BioMed Research International, 2018, 2018, 1-17. Strength and work parameters in people with multiple sclerosis and in healthy individuals: A 42 0.4 4 responsiveness study of the ankle dorsiflexors. Isokinetics and Exercise Science, 2018, 26, 53-61. Effects of resistance training on the physical condition of people with multiple sclerosis. Journal of Sports Medicine and Physical Fitness, 2018, 58, 1127-1134. The relationship between corticospinal tract integrity and lower-extremity strength is attenuated 44 2.2 4 when controlling for age and sex in multiple sclerosis. Brain Research, 2018, 1701, 171-176. Randomized controlled trial of maximal strength training vs. standard rehabilitation following total knee arthroplasty. European Journal of Physical and Rehabilitation Medicine, 2018, 54, 371-379. Is there an overlooked "window of opportunity―in MS exercise therapy? Perspectives for early MS 47 3.0 62 rehabilitation. Multiple Sclerosis Journal, 2018, 24, 886-894. Exercise as Medicine in Multiple Sclerosisâ€"Time for a Paradigm Shift: Preventive, Symptomatic, and 4.2 152 Disease-Modifying Aspects and Perspectives. Current Neurology and Neuroscience Reports, 2019, 19, 88. Plasma brain-derived neurotrophic factor (BDNF) and sphingosine-1-phosphat (S1P) are NOT the main mediators of neuroprotection induced by resistance training in persons with multiple sclerosisâ€"A 49 2.0 14 randomized controlled trial. Multiple Sclerosis and Related Disorders, 2019, 31, 106-111. Improving the Reliability of V-Wave Responses in the Soleus Muscle. Journal of Clinical Neurophysiology, 2019, 36, 97-103. Meta-analytic and Scoping Study on Strength Training in People With Multiple Sclerosis. Journal of 51 2.1 13 Strength and Conditioning Research, 2019, 33, 874-889. Maximal strength training in patients with Parkinson's disease: impact on efferent neural drive, force-generating capacity, and functional performance. Journal of Applied Physiology, 2020, 129, 683-690. 2.5 16 Effect of a Combined Program of Strength and Dual Cognitive-Motor Tasks in Multiple Sclerosis 53 2.6 8 Subjects. International Journal of Environmental Research and Public Health, 2020, 17, 6397. Effects of Maximal Strength Training on Perceived-Fatigue and Functional Mobility in Persons with 54 Relapsing-Remitting Multiple Sclerosis. Medicina (Lithuania), 2020, 56, 718. Neurophysiological impairments in multiple sclerosisâ€"Central and peripheral motor pathways. Acta 55 2.125 Neurologica Scandinavica, 2020, 142, 401-417. Adherence and drop-out in randomized controlled trials of exercise interventions in people with multiple sclerosis: A systematic review and meta-analyses. Multiple Sclerosis and Related Disorders, 2020, 43, 102169.

#	Article	IF	CITATIONS
57	High-Intensity, Non-Sport-Specific Strength and Conditioning for Brazilian Jiu-Jitsu Athletes: Theoretical and Practical Considerations. Strength and Conditioning Journal, 2020, 42, 58-69.	1.4	4
58	Upper and lower limb performance fatigability in people with multiple sclerosis investigated through surface electromyography: a pilot study. Physiological Measurement, 2020, 41, 025002.	2.1	8
59	Effect of Neuromuscular Exercises on Strength, Proprioceptive Receptors, and Balance in Females with Multiple Sclerosis. International Journal of Preventive Medicine, 2021, 12, 5.	0.4	2
60	Biomechanical muscle stiffness measures of extensor digitorum explain potential mechanism of McArdle sign. Clinical Biomechanics, 2021, 82, 105277.	1.2	2
61	Corticomuscular Coherence and Motor Control Adaptations after Isometric Maximal Strength Training. Brain Sciences, 2021, 11, 254.	2.3	4
62	Functional relevance of resistance training-induced neuroplasticity in health and disease. Neuroscience and Biobehavioral Reviews, 2021, 122, 79-91.	6.1	35
63	Strength training for people with multiple sclerosis and the current recommendations. British Journal of Neuroscience Nursing, 2021, 17, S32-S41.	0.2	0
64	Systematic Review of Exercise Studies in Persons with Multiple Sclerosis: Exploring the Quality of Interventions According to the Principles of Exercise Training. Neurology and Therapy, 2021, 10, 585-607.	3.2	14
65	Effect of Exercise on Fatigue in Multiple Sclerosis: A Network Meta-analysis Comparing Different Types of Exercise. Archives of Physical Medicine and Rehabilitation, 2022, 103, 970-987.e18.	0.9	13
66	Effects of high-speed power training on muscle strength and power in patients with multiple sclerosis. Journal of Rehabilitation Research and Development, 2016, 53, 359-368.	1.6	24
67	Impact of Lockdown during COVID-19 Pandemic on Central Activation, Muscle Activity, Contractile Function, and Spasticity in People with Multiple Sclerosis. BioMed Research International, 2021, 2021, 1-8.	1.9	3
68	Interventions for clients with movement limitations. , 2013, , 191-250.		1
69	The Effect of a 12 Week Core Training Regimen on Electromyographic Activation in National-Level Junior Swimmers. Journal of Athletic Enhancement, 2014, 03, .	0.2	0
70	The validity of plantarflexor strength measures obtained through hand-held dynamometry measurements of force. International Journal of Sports Physical Therapy, 2013, 8, 820-7.	1.3	21
71	Improvement of gait and balance in patients with multiple sclerosis after multidisciplinary physical rehabilitation: Analysis of real-world data in Russia. Multiple Sclerosis and Related Disorders, 2022, 59, 103640.	2.0	4
72	Effects and optimal dosage of resistance training on strength, functional capacity, balance, general health perception, and fatigue in people with multiple sclerosis: a systematic review and meta-analysis. Disability and Rehabilitation, 2023, 45, 1595-1607.	1.8	7
73	Blood flow restriction training for an individual with relapsing-remitting multiple sclerosis: a case report. Physiotherapy Theory and Practice, 2024, 40, 161-169.	1.3	2
74	Can strength training modify voluntary activation, contractile properties and spasticity in Multiple Sclerosis?: A randomized controlled trial Physiology and Behavior, 2022, 255, 113932.	2.1	2

#	Article	IF	CITATIONS
75	The Effects of Exercise Training on Upper Extremity Function for Persons with Multiple Sclerosis: A Systematic Review. Journal of Rehabilitation Medicine Clinical Communications, 0, 5, jrmcc00087.	0.6	1
76	Effects of fastâ€velocity concentric resistance training in people with multiple sclerosis: A randomized controlled trial. Acta Neurologica Scandinavica, 2022, 146, 652-661.	2.1	4
77	Participant characteristics of existing exercise studies in persons with multiple sclerosis – A systematic review identifying literature gaps. Multiple Sclerosis and Related Disorders, 2022, 68, 104198.	2.0	2
78	Skeletal Muscle Dysfunction in People With Multiple Sclerosis: A Physiological Target for Improving Physical Function and Mobility. Archives of Physical Medicine and Rehabilitation, 2023, 104, 694-706.	0.9	1
79	Remyelinating activities of Carvedilol or alpha lipoic acid in the Cuprizone-Induced rat model of demyelination. International Immunopharmacology, 2023, 118, 110125.	3.8	3
80	Corticospinal and spinal adaptations following lower limb motor skill training: a meta-analysis with best evidence synthesis. Experimental Brain Research, 2023, 241, 807-824.	1.5	1
81	Influence of Transcranial Direct Current Stimulation and Exercise on Physical Capacity and Gait in Multiple Sclerosis: A Cross-Over Pilot Study. Healthcare (Switzerland), 2023, 11, 1384.	2.0	1
82	Effect of different types of exercise on fitness in people with multiple sclerosis: A network metaâ€∎nalysis. Scandinavian Journal of Medicine and Science in Sports, 2023, 33, 1916-1928.	2.9	2
83	Effectiveness of Functional or Aerobic Exercise Combined With Breathing Techniques in Telerehabilitation for Patients With Long COVID: A Randomized Controlled Trial. Physical Therapy, 2023, 103, .	2.4	4
84	Effects of power training in older patients with multiple sclerosis on neurodegeneration, neuromuscular function, and physical function. A study protocol for the "power training in older multiple sclerosis patients (PoTOMS) randomized control trial. Contemporary Clinical Trials Communications. 2024. 38. 101279.	1.1	0