Eccentric exercise, isokinetic muscle torque and delaye of reactive oxygen species

European Journal of Applied Physiology 91, 615-621 DOI: 10.1007/s00421-003-1012-2

Citation Report

#	Article	IF	CITATIONS
1	Combined Antioxidant Treatment Effects on Blood Oxidative Stress after Eccentric Exercise. Medicine and Science in Sports and Exercise, 2005, 37, 234-239.	0.2	108
2	The emerging role of free radicals in delayed onset muscle soreness and contraction-induced muscle injury. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 142, 257-266.	0.8	101
3	Microdialysis studies of extracellular reactive oxygen species in skeletal muscle: Factors influencing the reduction of cytochrome c and hydroxylation of salicylate. Free Radical Biology and Medicine, 2005, 39, 1460-1467.	1.3	46
4	Effects of dietary carbohydrate on delayed onset muscle soreness and reactive oxygen species after contraction induced muscle damage. British Journal of Sports Medicine, 2005, 39, 948-953.	3.1	37
5	Skeletal Muscle Damage with Exercise and Aging. Sports Medicine, 2005, 35, 413-427.	3.1	68
6	Time course and differential responses of the major heat shock protein families in human skeletal muscle following acute nondamaging treadmill exercise. Journal of Applied Physiology, 2006, 101, 176-182.	1.2	131
7	Effects of baseline serum levels of Se on markers of eccentric exerciseâ€induced muscle injury. BioFactors, 2006, 26, 161-170.	2.6	19
8	Ascorbic acid supplementation does not attenuate post-exercise muscle soreness following muscle-damaging exercise but may delay the recovery process. British Journal of Nutrition, 2006, 95, 976-981.	1.2	123
9	Skeletal muscle aging. Reviews in Clinical Gerontology, 2007, 17, 13-23.	0.5	2
10	Decreased Blood Oxidative Stress after Repeated Muscle-Damaging Exercise. Medicine and Science in Sports and Exercise, 2007, 39, 1080-1089.	0.2	97
11	Sampling Time is Crucial for Measurement of Aerobic Exercise-Induced Oxidative Stress. Medicine and Science in Sports and Exercise, 2007, 39, 1107-1113.	0.2	155
12	Antioxidants and free radicals. , 2007, , 153-175.		Ο
13	ROS Scavenging Activity and Muscle Damage Prevention in Eccentric Exercise in Rats. Journal of Physiological Sciences, 2007, 57, 211-216.	0.9	18
14	Formation of 3-nitrotyrosines in carbonic anhydrase III is a sensitive marker of oxidative stress in skeletal muscle. Proteomics - Clinical Applications, 2007, 1, 362-372.	0.8	36
15	The influence of antioxidant supplementation on markers of inflammation and the relationship to oxidative stress after exercise. Journal of Nutritional Biochemistry, 2007, 18, 357-371.	1.9	140
16	The Effect of Muscle-Damaging Exercise on Blood and Skeletal Muscle Oxidative Stress. Sports Medicine, 2008, 38, 579-606.	3.1	161
17	Massage Reduces Pain Perception and Hyperalgesia in Experimental Muscle Pain: A Randomized, Controlled Trial. Journal of Pain, 2008, 9, 714-721.	0.7	84
18	Acute milk-based protein–CHO supplementation attenuates exercise-induced muscle damage. Applied Physiology, Nutrition and Metabolism, 2008, 33, 775-783.	0.9	110

#	Article	IF	CITATIONS
19	Shift in the quadriceps angle of peak torque following a downhill marathon. Isokinetics and Exercise Science, 2008, 16, 249-253.	0.2	0
20	Effects of treadmill inclination on electromyographic activity and hind limb kinematics in healthy hounds at a walk. American Journal of Veterinary Research, 2009, 70, 658-664.	0.3	31
21	Delayed-onset muscle soreness induced by low-load blood flow-restricted exercise. European Journal of Applied Physiology, 2009, 107, 687-695.	1.2	79
22	Blood as a reactive species generator and redox status regulator during exercise. Archives of Biochemistry and Biophysics, 2009, 490, 77-84.	1.4	115
23	Effects of inactivity on human muscle glutathione synthesis by a double-tracer and single-biopsy approach. Journal of Physiology, 2010, 588, 5089-5104.	1.3	33
24	Pilot Study on the Effect of Grounding on Delayed-Onset Muscle Soreness. Journal of Alternative and Complementary Medicine, 2010, 16, 265-273.	2.1	27
25	F2-isoprostane formation, measurement and interpretation: The role of exercise. Progress in Lipid Research, 2011, 50, 89-103.	5.3	96
26	Cytokines and Oxidative Stress Status Following a Handball Game in Elite Male Players. Oxidative Medicine and Cellular Longevity, 2011, 2011, 1-10.	1.9	42
27	Effects of a Fruit/Berry/Vegetable Supplement on Muscle Function and Oxidative Stress. Medicine and Science in Sports and Exercise, 2011, 43, 501-508.	0.2	46
28	Free Radical Formation after Intensive Exercise in Thoroughbred Skeletal Muscles. Journal of Equine Science, 2011, 22, 21-28.	0.2	3
29	Does Vitamin E and C Supplementation Improve the Recovery From Anterior Cruciate Ligament Surgery?. Journal of Evidence-Based Complementary & Alternative Medicine, 2011, 16, 114-128.	1.5	2
30	Nitric oxide: Is it the cause of muscle soreness?. Nitric Oxide - Biology and Chemistry, 2012, 26, 89-94.	1.2	21
31	Redox biology of exercise: an integrative and comparative consideration of some overlooked issues. Journal of Experimental Biology, 2012, 215, 1615-1625.	0.8	116
32	Effect of Single-Session Aerobic Exercise with Varying Intensities on Lipid Peroxidation and Muscle-Damage Markers in Sedentary Males. Global Journal of Health Science, 2012, 4, 48-54.	0.1	19
33	Eccentric Exercise, Muscle Damage and Oxidative Stress. , 2012, , .		1
34	Monitoring of Hydrogen Peroxide and Other Reactive Oxygen and Nitrogen Species Generated by Skeletal Muscle. Methods in Enzymology, 2013, 528, 279-300.	0.4	2
35	Role of oxidative stress in impaired insulin signaling associated with exercise-induced muscle damage. Free Radical Biology and Medicine, 2013, 65, 1265-1272.	1.3	40
36	Changes in skeletal muscle proteolytic gene expression after prophylactic supplementation of EGCG and NAC and eccentric damage. Food and Chemical Toxicology, 2013, 61, 47-52.	1.8	23

#	ARTICLE	IF	CITATIONS
37	Aging is not a barrier to muscle and redox adaptations: Applying the repeated eccentric exercise model. Experimental Gerontology, 2013, 48, 734-743.	1.2	16
38	Concentrically trained cyclists are not more susceptible to eccentric exercise-induced muscle damage than are stretch–shortening exercise-trained runners. European Journal of Applied Physiology, 2013, 113, 621-628.	1.2	8
39	Oral consumption of electrokinetically modified water attenuates muscle damage and improves postexercise recovery. Journal of Applied Physiology, 2013, 114, 1736-1742.	1.2	7
40	Acute Effects of Massage or Active Exercise in Relieving Muscle Soreness. Journal of Strength and Conditioning Research, 2013, 27, 3352-3359.	1.0	41
41	Effect of Treadmill Exercise and Hydrogen-rich Water Intake on Serum Oxidative and Anti-oxidative Metabolites in Serum of Thoroughbred Horses. Journal of Equine Science, 2013, 24, 1-8.	0.2	27
42	Effect of eccentric training on mitochondrial function and oxidative stress in the skeletal muscle of rats. Brazilian Journal of Medical and Biological Research, 2013, 46, 14-20.	0.7	13
43	SOD mRNA and MDA Expression in Rectus Femoris Muscle of Rats with Different Eccentric Exercise Programs and Time Points. PLoS ONE, 2013, 8, e73634.	1.1	13
44	The Scaling of Uphill and Downhill Locomotion in Legged Animals. Integrative and Comparative Biology, 2014, 54, 1159-1172.	0.9	65
45	Fish Oil Supplementation Reduces Markers of Oxidative Stress But Not Muscle Soreness After Eccentric Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 2014, 24, 206-214.	1.0	68
46	Effects of taurine supplementation following eccentric exercise in young adults. Applied Physiology, Nutrition and Metabolism, 2014, 39, 101-104.	0.9	59
47	Recovery and Adaptation From Repeated Intermittent-Sprint Exercise. International Journal of Sports Physiology and Performance, 2014, 9, 489-496.	1.1	35
48	The Association between Physical Exercise and Reactive Oxygen Species (ROS) Production. , 2015, 05, .		9
49	Assessment of Eccentric Exercise-Induced Oxidative Stress Using Oxidation-Reduction Potential Markers. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	1.9	35
50	Redox Characterization of Functioning Skeletal Muscle. Frontiers in Physiology, 2015, 6, 338.	1.3	48
51	The effects of grounding (earthing) on inflammation, the immune response, wound healing, and prevention and treatment of chronic inflammatory and autoimmune diseases. Journal of Inflammation Research, 2015, 8, 83.	1.6	51
52	Effects of unaccustomed downhill running on muscle damage, oxidative stress, and leukocyte apoptosis. Journal of Exercise Nutrition & Biochemistry, 2015, 19, 55-63.	1.3	19
53	Effects of Beetroot Juice on Recovery of Muscle Function and Performance between Bouts of Repeated Sprint Exercise. Nutrients, 2016, 8, 506.	1.7	63
54	Redox Mechanism of Reactive Oxygen Species in Exercise. Frontiers in Physiology, 2016, 7, 486.	1.3	248

#	Article	IF	CITATIONS
55	Muscle fiber type diversification during exercise and regeneration. Free Radical Biology and Medicine, 2016, 98, 56-67.	1.3	134
56	Taurine supplementation attenuates delayed increase in exercise-induced arterial stiffness. Applied Physiology, Nutrition and Metabolism, 2016, 41, 618-623.	0.9	22
57	Fatigue associated with prolonged graded running. European Journal of Applied Physiology, 2016, 116, 1859-1873.	1.2	72
58	Influence of Pedaling Cadence and Incremental Protocol on the Estimation of EMGFT. Journal of Strength and Conditioning Research, 2016, 30, 2206-2211.	1.0	4
59	Mitochondrial function following downhill and/or uphill exercise training in rats. Muscle and Nerve, 2016, 54, 925-935.	1.0	10
60	Minimal Evidence for a Secondary Loss of Strength After an Acute Muscle Injury: A Systematic Review and Meta-Analysis. Sports Medicine, 2017, 47, 41-59.	3.1	13
61	Modulation of mitochondrial biomarkers by intermittent hypobaric hypoxia and aerobic exercise after eccentric exercise in trained rats. Applied Physiology, Nutrition and Metabolism, 2017, 42, 683-693.	0.9	14
62	Different training responses to eccentric endurance exercise at low and moderate altitudes in pre-diabetic men: a pilot study. Sport Sciences for Health, 2017, 13, 615-623.	0.4	8
63	Localization of damage in the human leg muscles induced by downhill running. Scientific Reports, 2017, 7, 5769.	1.6	26
64	A Reduction in Maximal Incremental Exercise Test Duration 48 h Post Downhill Run Is Associated with Muscle Damage Derived Exercise Induced Pain. Frontiers in Physiology, 2017, 8, 135.	1.3	6
65	Update of Nutritional Antioxidants and Antinociceptives on Improving Exercise-Induced Muscle Soreness. , 2017, , 199-208.		0
66	The Effect of Taurine on the Recovery from Eccentric Exercise-Induced Muscle Damage in Males. Antioxidants, 2017, 6, 79.	2.2	20
67	The Effects of Acute High-Intensity Interval Training on Hematological Parameters in Sedentary Subjects. Medical Sciences (Basel, Switzerland), 2017, 5, 15.	1.3	25
68	Monitoring Exercise-Induced Muscle Fatigue and Adaptations: Making Sense of Popular or Emerging Indices and Biomarkers. Sports, 2018, 6, 153.	0.7	46
69	Redox correlation in muscle lengthening and immune response in eccentric exercise. PLoS ONE, 2018, 13, e0208799.	1.1	4
70	Exercise-Induced Oxidative Stress and the Effects of Antioxidant Intake from a Physiological Viewpoint. Antioxidants, 2018, 7, 119.	2.2	170
71	Antipsychotic-induced disorders: Reported cases and prospective study on muscle biomarkers after high exposure to haloperidol. Toxicology and Applied Pharmacology, 2018, 352, 1-8.	1.3	2
72	Adding omegaâ€3 fatty acids to a proteinâ€based supplement during preâ€season training results in reduced muscle soreness and the better maintenance of explosive power in professional Rugby Union players. European Journal of Sport Science, 2018, 18, 1357-1367.	1.4	36

#	Article	IF	CITATIONS
73	Hemorheological alterations following an acute bout of nordic hamstring exercise in active male participants1. Clinical Hemorheology and Microcirculation, 2019, 71, 463-473.	0.9	4
74	Downhill Running: What Are The Effects and How Can We Adapt? A Narrative Review. Sports Medicine, 2020, 50, 2083-2110.	3.1	25
75	Effect of reactive oxygen species of the psoas major muscle in complete Freund's adjuvant-induced inflammatory pain in rats. Molecular Pain, 2020, 16, 174480692092924.	1.0	7
76	Have We Looked in the Wrong Direction for More Than 100 Years? Delayed Onset Muscle Soreness Is, in Fact, Neural Microdamage Rather Than Muscle Damage. Antioxidants, 2020, 9, 212.	2.2	39
77	Effects of aerobic training and licorice extract consumption on inflammation and antioxidant states in overweight women. Obesity Medicine, 2021, 21, 100271.	0.5	1
78	Redox interactions of immune cells and muscle in the regulation of exercise-induced pain and analgesia: implications on the modulation of muscle nociceptor sensory neurons. Free Radical Research, 2021, 55, 645-663.	1.5	3
79	Is "Delayed Onset Muscle Soreness―a False Friend? The Potential Implication of the Fascial Connective Tissue in Post-Exercise Discomfort. International Journal of Molecular Sciences, 2021, 22, 9482.	1.8	17
80	Aerobic Metabolic Adaptations in Endurance Eccentric Exercise and Training: From Whole Body to Mitochondria. Frontiers in Physiology, 2020, 11, 596351.	1.3	14
81	Taurine Supplementation Reduces Eccentric Exercise-Induced Delayed Onset Muscle Soreness in Young Men. Advances in Experimental Medicine and Biology, 2015, 803, 765-772.	0.8	21
82	Comparison between Glucose-6-Phosphate Dehydrogenase-Deficient and Normal Individuals after Eccentric Exercise. Medicine and Science in Sports and Exercise, 2010, 42, 1113-1121.	0.2	49
83	Physical Activity, Antioxidant Status, and Protein Modification in Adolescent Athletes. Medicine and Science in Sports and Exercise, 2010, 42, 1131-1139.	0.2	19
84	Effect of startup circuit exercise on derivatives reactive oxygen metabolites, biological antioxidant potential levels and physical fitness of adolescents boys with intellectual disabilities. Journal of Exercise Rehabilitation, 2016, 12, 483-488.	0.4	2
85	Improving characterization and diagnosis quality of myofascial pain syndrome: a systematic review of the clinical and biomarker overlap with delayed onset muscle soreness. European Journal of Physical and Rehabilitation Medicine, 2020, 56, 469-478.	1.1	9
86	Response and adaptation of skeletal muscle to exercise - the role of reactive oxygen species. Frontiers in Bioscience - Landmark, 2007, 12, 4826.	3.0	120
87	Reactive oxygen species, health and longevity. AIMS Molecular Science, 2016, 3, 479-504.	0.3	7
88	Antioxidant capacity and physical exercise. Biology of Sport, 2009, 26, 197-213.	1.7	11
89	Uphill and Downhill Walking in Multiple Sclerosis. International Journal of MS Care, 2016, 18, 34-41.	0.4	27
90	Kinesiotaping Diminishes Delayed Muscle Soreness but does not Improve Muscular Performance. International Journal of Sports Medicine, 2020, 41, 596-602.	0.8	2

#	Article	IF	CITATIONS
91	Pathophysiology of exercise-induced muscle damage and its structural, functional, metabolic, and clinical consequences. Physiological Research, 2020, 69, 565-598.	0.4	17
92	The effect of foam rolling treatment after delayed onset muscle soreness for isokinetic muscular strength, explosive strength, and muscle soreness. Gazzetta Medica Italiana Archivio Per Le Scienze Mediche, 2022, 180, .	0.0	0
93	Mitochondria-targeted antioxidant supplementation does not affect muscle soreness or recovery of maximal voluntary isometric contraction force following muscle-damaging exercise in untrained men: a randomised clinical trial. Applied Physiology, Nutrition and Metabolism, 2022, , .	0.9	1
95	Mechanisms of eccentric contraction-induced muscle damage and nutritional supplementations for mitigating it. Journal of Muscle Research and Cell Motility, 2022, 43, 147-156.	0.9	4
96	Cold Water Immersion Improves the Recovery of Both Central and Peripheral Fatigue Following Simulated Soccer Match-Play. Frontiers in Physiology, 0, 13, .	1.3	4
97	Effects of Maximal Eccentric Exercise on Deep Fascia Stiffness of the Knee Flexors: A Pilot Study using Shear-Wave Elastography. Journal of Sports Science and Medicine, 0, , 419-425.	0.7	9
98	Delayed Onset Muscle Soreness and Critical Neural Microdamage-Derived Neuroinflammation. Biomolecules, 2022, 12, 1207.	1.8	15
99	CD3+/CD56+ NKT-like Cells Show Imbalanced Control Immediately after Exercise in Delayed-Onset Muscle Soreness. International Journal of Molecular Sciences, 2022, 23, 11117.	1.8	9
100	Miswired Proprioception in Amyotrophic Lateral Sclerosis in Relation to Pain Sensation (and in) Tj ETQqO 0 0 rgBT Proprioceptive Terminals Besides Being the Potential Primary Damage?. Life, 2023, 13, 657.	/Overlock 1.1	10 Tf 50 42 9
101	The Influence of Single Whole-Body Cryostimulation on Cytokine Status and Oxidative Stress Biomarkers during Exhaustive Physical Effort: A Crossover Study. International Journal of Molecular Sciences, 2023, 24, 5559.	1.8	1