Omegaâ€3 fatty acid supplementation attenuates skele weeks of unilateral leg immobilization in healthy young

FASEB Journal

33, 4586-4597

DOI: 10.1096/fj.201801857rrr

Citation Report

#	Article	IF	Citations
1	The Influence of Omega-3 Fatty Acids on Skeletal Muscle Protein Turnover in Health, Disuse, and Disease. Frontiers in Nutrition, 2019, 6, 144.	1.6	107
2	A Novel Amino Acid Composition Ameliorates Short-Term Muscle Disuse Atrophy in Healthy Young Men. Frontiers in Nutrition, 2019, 6, 105.	1.6	27
3	Docosahexaenoic acid varies in rat skeletal muscle membranes according to fibre type and provision of dietary fish oil. Prostaglandins Leukotrienes and Essential Fatty Acids, 2019, 151, 37-44.	1.0	11
4	EPA and DHA have divergent effects on serum triglycerides and lipogenesis, but similar effects on lipoprotein lipase activity: a randomized controlled trial. American Journal of Clinical Nutrition, 2019, 110, 1502-1509.	2.2	32
5	Influence of Fish Oil-Derived n-3 Fatty Acid Supplementation on Changes in Body Composition and Muscle Strength During Short-Term Weight Loss in Resistance-Trained Men. Frontiers in Nutrition, 2019, 6, 102.	1.6	11
6	The Impact of Step Reduction on Muscle Health in Aging: Protein and Exercise as Countermeasures. Frontiers in Nutrition, 2019, 6, 75.	1.6	79
7	Incorporation of Omega-3 Fatty Acids Into Human Skeletal Muscle Sarcolemmal and Mitochondrial Membranes Following 12 Weeks of Fish Oil Supplementation. Frontiers in Physiology, 2019, 10, 348.	1.3	31
8	Supplementation with dietary Ï‰â€3 mitigates immobilizationâ€induced reductions in skeletal muscle mitochondrial respiration in young women. FASEB Journal, 2019, 33, 8232-8240.	0.2	40
9	Pharmacological targeting of age-related changes in skeletal muscle tissue. Pharmacological Research, 2020, 154, 104191.	3.1	2
10	Mitochondrial ROS and Aging: Understanding Exercise as a Preventive Tool. Journal of Science in Sport and Exercise, 2020, 2, 15-24.	0.4	10
11	Long-chainn-3 fatty acids as an essential link between musculoskeletal and cardio-metabolic health in older adults. Proceedings of the Nutrition Society, 2020, 79, 47-55.	0.4	20
12	Short-term muscle disuse induces a rapid and sustained decline in daily myofibrillar protein synthesis rates. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E117-E130.	1.8	49
13	Dietary fish oil supplement induces age-specific contractile and proteomic responses in muscles of male rats. Lipids in Health and Disease, 2020, 19, 165.	1.2	3
14	Novel Essential Amino Acid Supplements Following Resistance Exercise Induce Aminoacidemia and Enhance Anabolic Signaling Irrespective of Age: A Proof-of-Concept Trial. Nutrients, 2020, 12, 2067.	1.7	6
15	Current Studies and Future Directions of Exercise Therapy for Muscle Atrophy Induced by Heart Failure. Frontiers in Cardiovascular Medicine, 2020, 7, 593429.	1.1	4
16	Impact of Varying Dosages of Fish Oil on Recovery and Soreness Following Eccentric Exercise. Nutrients, 2020, 12, 2246.	1.7	11
17	Are There Benefits from the Use of Fish Oil Supplements in Athletes? A Systematic Review. Advances in Nutrition, 2020, 11, 1300-1314.	2.9	24
18	The effect of fish oil supplementation on the promotion and preservation of lean body mass, strength, and recovery from physiological stress in young, healthy adults: a systematic review. Nutrition Reviews, 2020, 78, 1001-1014.	2.6	18

#	Article	IF	Citations
19	Serum nonesterified fatty acids have utility as dietary biomarkers of fat intake from fish, fish oil, and dairy in women. Journal of Lipid Research, 2020, 61, 933-944.	2.0	25
20	Muscle Mass Loss in the Older Critically Ill Population: Potential Therapeutic Strategies. Nutrition in Clinical Practice, 2020, 35, 607-616.	1.1	21
21	Glycerophospholipid profile alterations are associated with murine muscleâ€wasting phenotype. Muscle and Nerve, 2020, 62, 413-418.	1.0	11
22	Limiting deconditioned muscle atrophy and strength loss with appropriate nutrition: can it be done?. American Journal of Clinical Nutrition, 2020, 112, 499-500.	2.2	1
23	Role of sports psychology and sports nutrition in return to play from musculoskeletal injuries in professional soccer: an interdisciplinary approach. European Journal of Sport Science, 2021, 21, 1054-1063.	1.4	11
24	Nutritional Supplements to Support Resistance Exercise in Countering the Sarcopenia of Aging. Nutrients, 2020, 12, 2057.	1.7	59
25	Potato Protein Isolate Stimulates Muscle Protein Synthesis at Rest and with Resistance Exercise in Young Women. Nutrients, 2020, 12, 1235.	1.7	24
26	Dietary and Biological Assessment of the Omega-3 Status of Collegiate Athletes: A Cross-Sectional Analysis. PLoS ONE, 2020, 15, e0228834.	1.1	28
27	Dietary protein intake does not modulate daily myofibrillar protein synthesis rates or loss of muscle mass and function during short-term immobilization in young men: a randomized controlled trial. American Journal of Clinical Nutrition, 2021, 113, 548-561.	2.2	24
28	Dietary protein, exercise, ageing and physical inactivity: interactive influences on skeletal muscle proteostasis. Proceedings of the Nutrition Society, 2021, 80, 106-117.	0.4	12
29	Omega-3 Supplementation Improves Isometric Strength But Not Muscle Anabolic and Catabolic Signaling in Response to Resistance Exercise in Healthy Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 406-414.	1.7	26
30	Nutritional support and rehabilitation in intensive care units for elderly and senile patients. Review. Alexander Saltanov Intensive Care Herald, 2021, , 94-102.	0.2	1
31	Understanding the effects of nutrition and post-exercise nutrition on skeletal muscle protein turnover: Insights from stable isotope studies. Clinical Nutrition Open Science, 2021, 36, 56-77.	0.5	13
32	Does supplementation with leucine-enriched protein alone and in combination with fish-oil-derived nâ€“3 PUFA affect muscle mass, strength, physical performance, and muscle protein synthesis in well-nourished older adults? A randomized, double-blind, placebo-controlled trial. American Journal of Clinical Nutrition, 2021, 113, 1411-1427.	2.2	24
33	Two weeks of single-leg immobilization alters intramyocellular lipid storage characteristics in healthy, young women. Journal of Applied Physiology, 2021, 130, 1247-1258.	1.2	2
34	Understanding the role of smoking and chronic excess alcohol consumption on reduced caloric intake and the development of sarcopenia. Nutrition Research Reviews, 2022, 35, 197-206.	2.1	20
35	Pathophysiology and management of critical illness polyneuropathy and myopathy. Journal of Applied Physiology, 2021, 130, 1479-1489.	1.2	21
36	Resistance Exercise, Aging, Disuse, and Muscle Protein Metabolism. , 2021, 11, 2249-2278.		28

#	Article	IF	Citations
37	Endoplasmic Reticulum Stress and Autophagy Markers in Soleus Muscle Disuse-Induced Atrophy of Rats Treated with Fish Oil. Nutrients, 2021, 13, 2298.	1.7	4
38	The influence of a basic military training diet on whole blood fatty acid profile and the Omega-3 Index of Australian Army recruits. Applied Physiology, Nutrition and Metabolism, 2022, 47, 151-158.	0.9	2
39	Omega-3 supplementation during unilateral resistance exercise training in older women: A within subject and double-blind placebo-controlled trial. Clinical Nutrition ESPEN, 2021, 46, 394-404.	0.5	8
40	Fish Oil for Healthy Aging: Potential Application to Master Athletes. Sports Medicine, 2021, 51, 31-41.	3.1	2
41	Fish oil enriched Ï‰-3 fatty acids ameliorates protein synthesis/degradation imbalance, inflammation, and wasting in muscles of diet-induced obese rats. Journal of Functional Foods, 2021, 87, 104755.	1.6	2
42	Dairy and Dairy Alternative Supplementation Increase Integrated Myofibrillar Protein Synthesis Rates, and Are Further Increased when Combined with Walking in Healthy Older Women. Journal of Nutrition, 2022, 152, 68-77.	1.3	5
43	Omega-3 fatty acids and human skeletal muscle. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 114-119.	1.3	12
44	Recent advances in understanding resistance exercise training-induced skeletal muscle hypertrophy in humans. F1000Research, 2020, 9, 141.	0.8	44
45	Nutritional Strategies to Offset Disuse-Induced Skeletal Muscle Atrophy and Anabolic Resistance in Older Adults: From Whole-Foods to Isolated Ingredients. Nutrients, 2020, 12, 1533.	1.7	31
46	Muscle damaging eccentric exercise attenuates disuse-induced declines in daily myofibrillar protein synthesis and transiently prevents muscle atrophy in healthy men. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E674-E688.	1.8	10
47	The effect of long chain omega-3 polyunsaturated fatty acids on muscle mass and function in sarcopenia: A scoping systematic review and meta-analysis. Clinical Nutrition ESPEN, 2021, 46, 73-86.	0.5	40
48	Dietary supplements for consideration in elite female footballers. European Journal of Sport Science, 2022, 22, 733-744.	1.4	8
50	Short-term step reduction reduces citrate synthase activity without altering skeletal muscle markers of oxidative metabolism or insulin-mediated signaling in young males. Journal of Applied Physiology, 2021, 131, 1653-1662.	1.2	5
51	Muscle hypertrophy induced by N-3 PUFA supplementation in absence of exercise: a systematic review of randomized controlled trials. Critical Reviews in Food Science and Nutrition, 2022, , 1-11.	5.4	4
53	The Impact of Slice Interval and Equation on the Accuracy of Magnetic Resonance Image Estimation of Quadriceps Muscle Volume in End Stage Liver Disease. Frontiers in Rehabilitation Sciences, 2022, 3, .	0.5	2
54	A Cross-Sectional Analysis of Whole Blood Long-Chain Ï‰-3 Polyunsaturated Fatty Acids and Its Relationship with Dietary Intake, Body Composition, and Measures of Strength and Power in Collegiate Athletes. Journal of the American College of Nutrition, 2023, 42, 94-100.	1.1	3
55	Effect of Omega-3 Fatty Acid Supplementation on the Delayed-Onset Muscle Soreness (DOMS) and Inflammatory Response among Athletes and Non-Athletes. Current Nutrition and Food Science, 2022, 18, .	0.3	1
59	Disuse-induced skeletal muscle atrophy in disease and nondisease states in humans: mechanisms, prevention, and recovery strategies. American Journal of Physiology - Cell Physiology, 2022, 322, C1068-C1084.	2.1	26

#	Article	IF	Citations
60	Declines in muscle protein synthesis account for shortâ€term muscle disuse atrophy in humans in the absence of increased muscle protein breakdown. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 2005-2016.	2.9	23
61	The Role of Omega 3 Fatty Acids in Muscle Tissue. Oleoscience, 2022, 22, 343-348.	0.0	0
62	No effect of five days of bed rest or shortâ€term resistance exercise prehabilitation on markers of skeletal muscle mitochondrial content and dynamics in older adults. Physiological Reports, 2022, 10, .	0.7	4
63	Fish oilâ€“derived Ï‰â€“3 fatty acidsâ€”the missing ingredients to support muscle growth in people with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 0, , .	2.2	0
65	Measuring muscle protein synthesis in humans and the influence of nutritional state. Clinical Science, 2022, 136, 1425-1431.	1.8	1
66	Prevention of Adverse Outcomes and Treatment Side Effects in Patients with Neuromuscular Disorders. Seminars in Neurology, 0, , .	0.5	0
68	Vicia faba Peptide Network Supplementation Does Not Differ From Milk Protein in Modulating Changes in Muscle Size During Short-Term Immobilization and Subsequent Remobilization, but Increases Muscle Protein Synthesis Rates During Remobilization in Healthy Young Men. Journal of Nutrition, 2023, 153, 1718-1729.	1.3	2
69	Oxylipin status, before and after LC n-3 PUFA supplementation, has little relationship with skeletal muscle biology in older adults at risk of sarcopenia. Prostaglandins Leukotrienes and Essential Fatty Acids, 2023, 189, 102531.	1.0	1
70	Does initial skeletal muscle size or sex affect the magnitude of muscle loss in response to 14â€‰days immobilization?. Applied Physiology, Nutrition and Metabolism, 2023, 48, 411-416.	0.9	1
71	The effect of fish oil supplementation on resistance training-induced adaptations. Journal of the International Society of Sports Nutrition, 2023, 20, .	1.7	4
73	Singleâ€leg disuse decreases skeletal muscle strength, size, and power in uninjured adults: A systematic review and metaâ€analysis. Journal of Cachexia, Sarcopenia and Muscle, 2023, 14, 684-696.	2.9	6
74	The role of omega-3 polyunsaturated fatty acids in the intensive care unit. Current Opinion in Clinical Nutrition and Metabolic Care, 2023, 26, 129-137.	1.3	4
75	Rapid changes in transcriptomic profile and mitochondrial function in human soleus muscle after three-day dry immersion. Journal of Applied Physiology, 0, , .	1.2	2
76	The effect of single-leg disuse on skeletal muscle strength and size in the non-immobilized leg of uninjured adults: A meta-analysis. Journal of Applied Physiology, 0, , .	1.2	1