

# Effect of High-Intensity Strength Training on Knee Pain Among Adults With Knee Osteoarthritis

JAMA - Journal of the American Medical Association

325, 646

DOI: [10.1001/jama.2021.0411](https://doi.org/10.1001/jama.2021.0411)

Citation Report

#	ARTICLE	IF	CITATIONS
2	High-Intensity Strength Training, Knee Pain, and Knee Joint Compressive Forces in Adults With Knee Osteoarthritis. JAMA - Journal of the American Medical Association, 2021, 325, 2315.	7.4	1
4	High-Intensity Strength Training, Knee Pain, and Knee Joint Compressive Forces in Adults With Knee Osteoarthritisâ€”Reply. JAMA - Journal of the American Medical Association, 2021, 325, 2316.	7.4	0
5	Association of Pain and Impact of Dual-Task Exercise on Function, Cognition and Quality of Life. Journal of Nutrition, Health and Aging, 2021, 25, 1053-1063.	3.3	3
6	Exercise and education versus saline injections for knee osteoarthritis: a randomised controlled equivalence trial. Annals of the Rheumatic Diseases, 2022, 81, 537-543.	0.9	23
7	Post Hoc Power Calculations: An Inappropriate Method for Interpreting the Findings of a Research Study. Journal of Rheumatology, 2022, 49, 867-870.	2.0	26
8	Effect of nursing instructional guidelines on fatigue and pain associated with knee osteoarthritis. Egyptian Nursing Journal, 2021, 18, 141.	0.0	0
9	Ozonioterapia: terapia adjuvante no tratamento da osteoartrite de joelho. Research, Society and Development, 2022, 11, e38911427417.	0.1	0
10	High-intensity versus low-intensity resistance training in patients with knee osteoarthritis: A randomized controlled trial. Clinical Rehabilitation, 2022, 36, 952-967.	2.2	16
11	Knee-extensor strength, symptoms, and need for surgery after two, four, or six exercise sessions/week using a home-based one-exercise program: a randomized doseâ€”response trial of knee-extensor resistance exercise in patients eligible for knee replacement (the QUADX-1 trial). Osteoarthritis and Cartilage, 2022, 30, 973-986.	1.3	6
12	Benefits and Mechanisms of Exercise Training for Knee Osteoarthritis. Frontiers in Physiology, 2021, 12, 794062.	2.8	49
13	Quadriceps Strength is Associated with the Worsening of Intra-Articular Inflammation in Knee Osteoarthritis: An Exploratory Study from the Osteoarthritis Initiative. SSRN Electronic Journal, 0, , .	0.4	0
14	Exercise for Osteoarthritis: A Literature Review of Pathology and Mechanism. Frontiers in Aging Neuroscience, 2022, 14, 854026.	3.4	19
15	Feasibility of â€”parkrunâ€”™ for people with knee osteoarthritis: A mixed methods pilot study. Osteoarthritis and Cartilage Open, 2022, 4, 100269.	2.0	1
17	Contributions of individual muscle forces to hip, knee, and ankle contact forces during the stance phase of running: a model-based study. Health Information Science and Systems, 2022, 10, .	5.2	2
18	Distal tibial tubercle osteotomy can lessen change in patellar height post medial opening wedge high tibial osteotomy? A systematic review and meta-analysis. Journal of Orthopaedic Surgery and Research, 2022, 17, .	2.3	3
19	Blinding and sham control methods in trials of physical, psychological, and self-management interventions for pain (article I): a systematic review and description of methods. Pain, 2023, 164, 469-484.	4.2	12
20	How Do Nonsurgical Interventions Improve Pain and Physical Function in People With Osteoarthritis? A Scoping Review of Mediation Analysis Studies. Arthritis Care and Research, 2023, 75, 467-481.	3.4	13
21	<sc>miR</sc>â€”19aâ€”5p inhibits the pyroptosis in knee osteoarthritis by inactivating the <sc>NLRP3</sc> signaling via targeting <sc>FBXO3</sc>. Environmental Toxicology, 2022, 37, 2673-2682.	4.0	6

#	ARTICLE	IF	CITATIONS
22	Prescription of Resistance Training for Sarcopenic Older Adults: Does it Require Specific Attention?. Ageing Research Reviews, 2022, , 101720.	10.9	6
23	Radiological and clinical outcomes of concurrent hamstring stretching with quadriceps strengthening in patients with knee osteoarthritis: A randomized clinical trial. Isokinetics and Exercise Science, 2022, , 1-11.	0.4	0
24	Effects of High-Intensity Strength Training in Adults With Knee Osteoarthritis. American Journal of Physical Medicine and Rehabilitation, 2023, 102, 292-299.	1.4	6
25	Proximal fibular osteotomy versus high tibial osteotomy for treating knee osteoarthritis: a systematic review and meta-analysis. Journal of Orthopaedic Surgery and Research, 2022, 17, .	2.3	2
26	Environmental Risk Factors for Osteoarthritis: The Impact on Individuals with Knee Joint Injury. Rheumatic Disease Clinics of North America, 2022, 48, 907-930.	1.9	3
27	Responsiveness and minimal important changes of the OARSI core set of performance-based measures in patients with knee osteoarthritis following physiotherapy intervention. Physiotherapy Theory and Practice, 0, , 1-12.	1.3	1
28	Exercise induced meteorin-like protects chondrocytes against inflammation and pyroptosis in osteoarthritis by inhibiting PI3K/Akt/NF- $\kappa$ B and NLRP3/caspase-1/GSDMD signaling. Biomedicine and Pharmacotherapy, 2023, 158, 114118.	5.6	18
29	Variability in effect sizes of exercise therapy for knee osteoarthritis depending on comparator interventions. Annals of Physical and Rehabilitation Medicine, 2023, 66, 101708.	2.3	4
30	Exercise & Sports Science Australia (ESSA) updated Position Statement on exercise and physical activity for people with hip/knee osteoarthritis. Journal of Science and Medicine in Sport, 2023, 26, 37-45.	1.3	4
31	Effect of Diet and Exercise on Knee Pain in Patients With Osteoarthritis and Overweight or Obesity. JAMA - Journal of the American Medical Association, 2022, 328, 2242.	7.4	25
32	The Association Between Quadriceps Strength and Synovitis in Knee Osteoarthritis: An Exploratory Study From the Osteoarthritis Initiative. Journal of Rheumatology, 2023, 50, 548-555.	2.0	3
33	Exercise and education vs intra-articular saline for knee osteoarthritis: a 1-year follow-up of a randomized trial. Osteoarthritis and Cartilage, 2023, 31, 627-635.	1.3	8
34	Promoting Healthy Behaviors in Older Adults to Optimize Health-Promoting Lifestyle: An Intervention Study. International Journal of Environmental Research and Public Health, 2023, 20, 1628.	2.6	2
35	Effects of Immobilization and Swimming on the Progression of Osteoarthritis in Mice. International Journal of Molecular Sciences, 2023, 24, 535.	4.1	1
36	High- Versus Low-Dose Exercise Therapy for Knee Osteoarthritis. Annals of Internal Medicine, 2023, 176, 154-165.	3.9	9
38	The emperor's new clothes?. Osteoarthritis and Cartilage, 2023, 31, 549-551.	1.3	15
39	Regulation of Chondrocyte Differentiation by miR-455-3p Secreted by Bone Marrow Stem Cells through Phosphatase and Tensin Homolog Deleted on Chromosome Ten/Phosphoinositide 3-Kinase-Protein Kinase B. Stem Cells International, 2023, 2023, 1-10.	2.5	2
40	Exploring the modification factors of exercise therapy on biomechanical load in patients with knee osteoarthritis: a systematic review and meta-analysis. Clinical Rheumatology, 2023, 42, 1737-1752.	2.2	5

#	ARTICLE	IF	CITATIONS
41	Effect of moderate exercise on osteoarthritis. EFORT Open Reviews, 2023, 8, 148-161.	4.1	1
42	Global Research Hotspots and Trends of Physical Activity in Knee Osteoarthritis: A Bibliometric Analysis. Medical Science Monitor, 0, 29, .	1.1	0
44	Osteoarthritis, part of life or a curable disease? A bird'sâ€œeye view. Journal of Internal Medicine, 2023, 293, 681-693.	6.0	13
45	Diet and Exercise and Knee Pain in Patients With Osteoarthritis and Overweight or Obesityâ€”Reply. JAMA - Journal of the American Medical Association, 2023, 329, 1318.	7.4	0
46	High-Intensity Training for Knee Osteoarthritis: A Narrative Review. Sports, 2023, 11, 91.	1.7	0
47	<scp>Clinâ€STAR</scp> corner: 2021 update in musculoskeletal pain in older adults with a focus on osteoarthritisâ€related pain. Journal of the American Geriatrics Society, 2023, 71, 2373-2380.	2.6	0
48	Arthrose des Kniegelenkes â€“ Konservative Therapie. Springer Reference Medizin, 2023, , 1-13.	0.0	0
49	Exercise Therapy for Knee and Hip Osteoarthritis: Is There An Ideal Prescription?. Current Treatment Options in Rheumatology, 2023, 9, 82-98.	1.4	3
50	Moderators of the effect of therapeutic exercise for knee and hip osteoarthritis: a systematic review and individual participant data meta-analysis. Lancet Rheumatology, The, 2023, 5, e386-e400.	3.9	15
51	Simulated Increase in Monoarticular Hip Muscle Strength Reduces the First Peak of Knee Compression Forces During Walking. Journal of Biomechanical Engineering, 2023, , 1-37.	1.3	0
52	Time to revisit the therapeutic benefits of exercise for osteoarthritis?. Lancet Rheumatology, The, 2023, 5, e365-e367.	3.9	3
53	Rehabilitation interventions in osteoarthritis. Best Practice and Research in Clinical Rheumatology, 2023, , 101846.	3.3	1
54	â€Just do itâ€™ still applies when it comes to exercise, diet, and education for osteoarthritis. Osteoarthritis and Cartilage, 2023, 31, 1278-1279.	1.3	1
55	Fundamentals of osteoarthritis. Rehabilitation: Exercise, diet, biomechanics, and physical therapist-delivered interventions. Osteoarthritis and Cartilage, 2023, 31, 1312-1326.	1.3	1
56	High- Versus Low-Dose Exercise Therapy for Knee Osteoarthritis. Annals of Internal Medicine, 2023, 176, .	3.9	0
57	Mechanisms of action of therapeutic exercise for knee and hip OA remain a black box phenomenon: an individual patient data mediation study with the OA Trial Bank. RMD Open, 2023, 9, e003220.	3.8	3
58	Critically appraised paper: High-intensity resistance training is not superior to low-intensity resistance training in patients with knee osteoarthritis [commentary]. Journal of Physiotherapy, 2023, 69, 270.	1.7	0
59	OARSI year in review 2023: Rehabilitation and outcomes. Osteoarthritis and Cartilage, 2023, , .	1.3	1

#	ARTICLE	IF	CITATIONS
60	Effect of Tai Chi on knee pain and muscle strength in middle-aged and older adults with knee osteoarthritis: a randomized controlled trial protocol. <i>BMC Complementary Medicine and Therapies</i> , 2023, 23, .	2.7	1
61	Effect of knee arthroscopic debridement combined with peripatellar denervation on restoration of knee function in patients with knee osteoarthritis. <i>BMC Surgery</i> , 2023, 23, .	1.3	1
62	Dose-Response Relationships of Resistance Training in Adults With Knee Osteoarthritis: A Systematic Review and Meta-analysis. <i>Journal of Geriatric Physical Therapy</i> , 0, , .	1.1	0
63	Can clinicians trust objective measures of hip muscle strength from portable dynamometers? A systematic review with meta-analysis and evidence gap map of 107 studies of reliability and criterion validity using the COSMIN methodology. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 0, , 1-58.	3.5	0
64	The osteoarthritis prevention study (TOPS) - A randomized controlled trial of diet and exercise to prevent Knee Osteoarthritis: Design and rationale. <i>Osteoarthritis and Cartilage Open</i> , 2024, 6, 100418.	2.0	0
65	Reply to letter to the editor by Yuhan Gong etÂal.. <i>Journal of Orthopaedic Science</i> , 2023, , .	1.1	0
66	The Critical Role of Physical Activity and Weight Management in Knee and Hip Osteoarthritis: A Narrative Review. <i>Journal of Rheumatology</i> , 2024, 51, 224-233.	2.0	0
67	Do We Need More Exercise and Osteoarthritis Randomized Clinical Trials?. <i>Arthritis and Rheumatology</i> , 2024, 76, 354-355.	5.6	0
68	Strength Training vs. Aerobic Training for Managing Pain and Physical Function in Patients with Knee Osteoarthritis: A Systematic Review and Meta-Analysis. <i>Healthcare (Switzerland)</i> , 2024, 12, 33.	2.0	0
69	The Research Status of Knee Rehabilitation Robots. , 0, 71, 443-451.		0
70	EULAR recommendations for the non-pharmacological core management of hip and knee osteoarthritis: 2023 update. <i>Annals of the Rheumatic Diseases</i> , 0, , ard-2023-225041.	0.9	4
71	Exploring the Role of Community Exercise Rehabilitation Centers through the Rehabilitation Experiences of Patients with Musculoskeletal Disorders: A Qualitative Study. <i>Healthcare (Switzerland)</i> , 2024, 12, 92.	2.0	0
72	Engineering Innervated Musculoskeletal Tissues for Regenerative Orthopedics and Disease Modeling. <i>Small</i> , 0, , .	10.0	0
73	Rhizarthrosis Part II: A New Approach of Manual Therapy and Therapeutic Exercise. <i>Cureus</i> , 2024, , .	0.5	0
75	Exercise for knee osteoarthritis pain: Association or causation?. <i>Osteoarthritis and Cartilage</i> , 2024, , .	1.3	0