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## Sarcopenia: origins and clinical relevance

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#	Paper	IF	Citations
1370	Introduction. <i>Journal of Nutrition</i> , <b>1997</b> , 127, 989S-989S	4.1	4
1369	Role of central circulatory factors in the fat-free mass-maximal aerobic capacity relation across age. <b>1998</b> , 275, H1178-82		25
1368	Anabolic interventions for aging-associated sarcopenia. <b>1999</b> , 84, 3420-30		41
1367	Predictors of skeletal muscle mass in elderly men and women. <b>1999</b> , 107, 123-36		590
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1362	Aromatase, adiposity, aging and disease. The hypogonadal-metabolic-atherogenic-disease and aging connection. <b>2001</b> , 56, 702-8		135
1361	Bitter-sweet memories: truth and fiction. <b>2001</b> , 56, M196-9		2
1360	Relation between body composition and age in healthy Japanese subjects. <b>2001</b> , 55, 462-70		62
1359	Mitochondrial DNA deletion mutations colocalize with segmental electron transport system abnormalities, muscle fiber atrophy, fiber splitting, and oxidative damage in sarcopenia. <b>2001</b> , 15, 322-32		304
1358	Role of hormones in the pathogenesis and management of sarcopenia. <b>2002</b> , 19, 865-77		80
1357	Prevalence of sarcopenia and predictors of skeletal muscle mass in healthy, older men and women. <b>2002</b> , 57, M772-7		571
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1353	Prevalence of sarcopenia and predictors of skeletal muscle mass in nonobese women who are long-term users of estrogen-replacement therapy. <b>2003</b> , 58, M436-40	66
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954	Effectiveness of a preoperative exercise and nutritional support program for elderly sarcopenic patients with gastric cancer. <b>2017</b> , 20, 913-918	111
953	Sarcopenia and frailty in chronic respiratory disease. <b>2017</b> , 14, 85-99	105
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951	Sarcopenia and Its Impact on Quality of Life. <b>2017</b> , 987, 213-218	90
950	Dietary egg-white protein increases body protein mass and reduces body fat mass through an acceleration of hepatic oxidation in rats. <b>2017</b> , 118, 423-430	15
949	Gait Speed rather than Dynapenia Is a Simple Indicator for Complex Care Needs: A Cross-sectional Study Using Minimum Data Set. <b>2017</b> , 7, 8418	3
948	Sarcopenia as a predictor of all-cause mortality among community-dwelling older people: A systematic review and meta-analysis. <b>2017</b> , 103, 16-22	135
947	Current review of the SarQoL <sup>®</sup> : a health-related quality of life questionnaire specific to sarcopenia. <b>2017</b> , 17, 335-341	19
946	Increase in echo intensity and extracellular-to-intracellular water ratio is independently associated with muscle weakness in elderly women. <b>2017</b> , 117, 2001-2007	39
945	Association of handgrip strength with hospitalization, cardiovascular events, and mortality in Japanese patients with type 2 diabetes. <b>2017</b> , 7, 7041	42
944	Role of Inactivity in Chronic Diseases: Evolutionary Insight and Pathophysiological Mechanisms. <b>2017</b> , 97, 1351-1402	251
943	Prognostic significance of sarcopenia in patients with hepatocellular carcinoma undergoing sorafenib therapy. <b>2017</b> , 14, 1637-1647	40
942	Determining Predictive Outcome Factors for a Multimodal Treatment Program in Low Back Pain Patients: A Retrospective Cohort Study. <b>2017</b> , 40, 659-667	13
941	Myostatin and beyond in cirrhosis: all roads lead to sarcopenia. <b>2017</b> , 8, 864-869	32
940	Optimal nutrition and the ever-changing dietary landscape: a conference report. <b>2017</b> , 56, 1-21	69

939	A cross-sectional study of the association between dynapenia and higher-level functional capacity in daily living in community-dwelling older adults in Japan. <b>2017</b> , 17, 1	107
938	Dietary protein supplementation in the elderly for limiting muscle mass loss. <b>2017</b> , 49, 33-47	33
937	Impact of Skeletal Muscle Mass, Muscle Quality, and Visceral Adiposity on Outcomes Following Resection of Intrahepatic Cholangiocarcinoma. <b>2017</b> , 24, 1037-1045	60
936	Sex differences in the effect of fish-oil supplementation on the adaptive response to resistance exercise training in older people: a randomized controlled trial. <b>2017</b> , 105, 151-158	103
935	Sarcopenia and post-hospital outcomes in older adults: A longitudinal study. <b>2017</b> , 69, 105-109	34
934	Pathogenesis and Management of Sarcopenia. <b>2017</b> , 33, 17-26	142
933	Is osteoporosis a predictor for future sarcopenia or vice versa? Four-year observations between the second and third ROAD study surveys. <b>2017</b> , 28, 189-199	100
932	Effect of Yi Jin Jing (Sinew-transforming Qigong Exercises) on skeletal muscle strength in the elderly. <b>2017</b> , 15, 434-439	5
931	Effect of pretreatment psoas muscle mass on survival for patients with unresectable pancreatic cancer undergoing systemic chemotherapy. <b>2017</b> , 14, 6059-6065	9
930	Resistance training for activity limitations in older adults with skeletal muscle function deficits: a systematic review. <b>2017</b> , 12, 955-961	82
929	Dietary Protein in Older Adults: Adequate Daily Intake but Potential for Improved Distribution. <b>2017</b> , 9,	32
928	The Obese Gunshot Patient: Injury and Septic Shock. <b>2017</b> , 27-54	
927	Sarcopenia Impairs Prognosis of Patients with Hepatocellular Carcinoma: The Role of Liver Functional Reserve and Tumor-Related Factors in Loss of Skeletal Muscle Volume. <b>2017</b> , 9,	30
926	Sarcopaenia and rheumatoid arthritis. <b>2017</b> , 55, 84-87	13
925	The Associations among Insulin Resistance, Hyperglycemia, Physical Performance, Diabetes Mellitus, and Cognitive Function in Relatively Healthy Older Adults with Subtle Cognitive Dysfunction. <b>2017</b> , 9, 72	25
924	Prevalence of Sarcopenic Obesity in Adults with Class II/III Obesity Using Different Diagnostic Criteria. <b>2017</b> , 2017, 7307618	56
923	Impact of Aging and Exercise on Mitochondrial Quality Control in Skeletal Muscle. <b>2017</b> , 2017, 3165396	75
922	Nutritional Status in Liver Cirrhosis. <b>2017</b> ,	1

921	Osteosarcopenic obesity in women: impact, prevalence, and management challenges. <b>2017</b> , 9, 33-42	36
920	Dysmobility syndrome: current perspectives. <b>2017</b> , 12, 145-152	19
919	Sarcopenia in patients with chronic kidney disease not yet on dialysis: Analysis of the prevalence and associated factors. <b>2017</b> , 12, e0176230	97
918	Sarcopenia is a predictive factor for intestinal resection in admitted patients with Crohn's disease. <b>2017</b> , 12, e0180036	55
917	MRI-defined paraspinal muscle morphology in Japanese population: The Wakayama Spine Study. <b>2017</b> , 12, e0187765	39
916	Health Outcomes of Sarcopenia: A Systematic Review and Meta-Analysis. <b>2017</b> , 12, e0169548	426
915	Differences in handgrip strength protocols to identify sarcopenia and frailty - a systematic review. <b>2017</b> , 17, 238	86
914	Association between sarcopenia and low back pain in local residents prospective cohort study from the GAINA study. <b>2017</b> , 18, 452	21
913	Development of prediction equations for estimating appendicular skeletal muscle mass in Japanese men and women. <b>2017</b> , 36, 34	6
912	A low psoas muscle volume predicts longer hospitalization and cancer recurrence in upper urinary tract urothelial carcinoma. <b>2018</b> , 8, 320-322	9
911	Role of satellite cells in skeletal muscle plasticity: Beyond muscle regeneration. <b>2017</b> , 6, 89-93	1
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909	Risk factors of cervical surgery related complications in patients older than 80 years. <b>2017</b> , 1, 179-184	2
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907	Is sarcopenia a prognostic factor after living donor liver transplantation?. <b>2017</b> , 6, 258-259	2
906	Associations of Muscle Mass and Strength with All-Cause Mortality among US Older Adults. <b>2018</b> , 50, 458-467	114
905	Neoadjuvant Chemoradiotherapy for Patients with cT3/Nearly T4 Esophageal Cancer: Is Sarcopenia Correlated with Postoperative Complications and Prognosis?. <b>2018</b> , 42, 2894-2901	17
904	Human neuromuscular aging: Sex differences revealed at the myocellular level. <b>2018</b> , 106, 116-124	41

903	Bone Morphogenetic Proteins, Satellite Cells, and Sarcopenia: Perspective in Translational Medicine. <b>2018</b> , 73, 1591-1593	
902	Sarcopenia. <b>2018</b> , 99-105	
901	Preoperative Low Muscle Mass and Low Muscle Quality Negatively Impact on Pulmonary Function in Patients Undergoing Hepatectomy for Hepatocellular Carcinoma. <b>2018</b> , 7, 76-89	16
900	Protein and Peptides for Elderly Health. <b>2018</b> , 112, 265-308	6
899	The Role of Blood Flow Restriction Training to Mitigate Sarcopenia, Dynapenia, and Enhance Clinical Recovery. <b>2018</b> , 33, 98-105	3
898	[Cachexia and sarcopenia in chronic heart failure : Change in muscle strength and muscle structure]. <b>2018</b> , 59, 439-444	3
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891	Tongue exercise and ageing effects on morphological and biochemical properties of the posterior digastric and temporalis muscles in a Fischer 344 Brown Norway rat model. <b>2018</b> , 89, 37-43	2
890	Pitfalls in the measurement of muscle mass: a need for a reference standard. <b>2018</b> , 9, 269-278	294
889	Chronic inflammation and sarcopenia: A regenerative cell therapy perspective. <b>2018</b> , 103, 115-123	38
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887	Association between statin use and physical function among community-dwelling older Japanese adults. <b>2018</b> , 18, 623-630	18
886	Weight bearing exercise can elicit similar peak muscle activation as medium-high intensity resistance exercise in elderly women. <b>2018</b> , 118, 531-541	8

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882	Quantifying Sarcopenia Reference Values Using Lumbar and Thoracic Muscle Areas in a Healthy Population. <b>2017</b> , 21, 180-185	50
881	Early nutritional inadequacy is associated with psoas muscle deterioration and worse clinical outcomes in critically ill surgical patients. <b>2018</b> , 45, 7-13	25
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879	Clinical Impact of Preoperative Sarcopenia on the Postoperative Outcomes After Pancreas Transplantation. <b>2018</b> , 42, 3364-3371	13
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876	The impact of sarcopenia on incident homebound status among community-dwelling older adults: A prospective cohort study. <b>2018</b> , 113, 26-31	11
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874	Assessment of sarcopenia in virally suppressed HIV-infected Asians receiving treatment. <b>2018</b> , 32, 1025-1034	11
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869	Effects of long-term exposures to low iron and branched-chain amino acid containing diets on aging skeletal muscle of Fisher 344 Brown Norway rats. <b>2018</b> , 43, 165-173	2
868	The Role of Nutrition in Rehabilitation of Older Adults. <b>2018</b> , 181-190	

867	Comparison of age-related morphological changes in the masseter muscles of senescence-accelerated mouse (SAM). <b>2018</b> , 30, 44-49	1
866	Characterising the muscle anabolic potential of dairy, meat and plant-based protein sources in older adults. <b>2018</b> , 77, 20-31	85
865	Significance of sarcopenia as a prognostic factor for metastatic urothelial carcinoma patients treated with systemic chemotherapy. <b>2018</b> , 23, 338-346	6
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863	Reconsideration of frailty in relation to surgical indication. <b>2018</b> , 66, 201-213	1
862	A Novel Preoperative Skeletal Muscle Measure as a Predictor of Postoperative Complications, Long-Term Survival and Tumor Recurrence for Patients with Gastric Cancer After Radical Gastrectomy. <b>2018</b> , 25, 439-448	27
861	Sarcopenia in elderly patients with type 2 diabetes mellitus: prevalence and related clinical factors. <b>2018</b> , 9, 136-142	17
860	Quality of life in sarcopenia measured with the SarQoL <sup>®</sup> : impact of the use of different diagnosis definitions. <b>2018</b> , 30, 307-313	38
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858	Running-wheel activity delays mitochondrial respiratory flux decline in aging mouse muscle via a post-transcriptional mechanism. <b>2018</b> , 17, e12700	22
857	Preoperative low muscle mass has a strong negative effect on pulmonary function in patients undergoing living donor liver transplantation. <b>2018</b> , 45, 1-10	19
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854	Skeletal Muscle Fiber Types in Neuromuscular Diseases. <b>2018</b> ,	
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848	Provisional cut-off points for the diagnosis of sarcopenia in elderly people from Caldas (Colombia). <b>2018</b> , 38, 521-526	7
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846	Polish Validation of the SarQoL, a Quality of Life Questionnaire Specific to Sarcopenia. <b>2018</b> , 7,	17
845	Concordância de diferentes critérios de sarcopenia em idosos comunitários. <b>2018</b> , 25, 151-157	
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836	No Muscle Depletion with High Visceral Fat as a Novel Beneficial Biomarker of Sorafenib for Hepatocellular Carcinoma. <b>2018</b> , 7, 359-371	14
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834	Association of handgrip strength with various oral functions in 82- to 84-year-old community-dwelling Japanese. <b>2018</b> , 35, 214	19
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830	The role of metabolic syndrome factors on cognition using latent variable modeling: The neurocognitive study on aging. <b>2018</b> , 40, 1030-1043	9
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815	Toward Smart Footwear to Track Frailty Phenotypes-Using Propulsion Performance to Determine Frailty. <b>2018</b> , 18,	12
814	Effect of Squat Exercises on Lung Function in Elderly Women with Sarcopenia. <b>2018</b> , 7,	10



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811	New Skeletal Muscle Mass Index in Diagnosis of Sarcopenia. <b>2018</b> , 25, 15-21	12
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805	Tongue pressure and endurance in patients with Class II and Class III malocclusion. <b>2018</b> , 20, 166-174	1
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789	Modulates Genes and Muscle-Specific microRNAs Expression to Promote Myoblast Differentiation in Culture. <b>2019</b> , 2019, 8394648	4
788	Sex Steroids, Cognate Receptors, and Aging. <b>2019</b> , 265-296	
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784	Prognostic Significance of Skeletal Muscle Loss During Early Postoperative Period in Elderly Patients with Esophageal Cancer. <b>2019</b> , 26, 3727-3735	15
783	Metabolic Perturbations from Step Reduction in Older Persons at Risk for Sarcopenia: Plasma Biomarkers of Abrupt Changes in Physical Activity. <b>2019</b> , 9,	25
782	Slow walking speed overlapped with low handgrip strength in chronic liver disease patients with hepatocellular carcinoma. <b>2019</b> , 49, 1427-1440	15
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774	Disease-Related Malnutrition and Sarcopenia as Determinants of Clinical Outcome. <b>2019</b> , 35, 282-291	21
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771	Strength training with blood flow restriction - a novel therapeutic approach for older adults with sarcopenia? A case report. <b>2019</b> , 14, 1461-1469	16
770	Sarcopenia: new definitions, same limitations. <b>2019</b> , 48, 613-614	7
769	Serum Myostatin and IGF-1 as Gender-Specific Biomarkers of Frailty and Low Muscle Mass in Community-Dwelling Older Adults. <b>2019</b> , 23, 979-986	32
768	Growth Differentiation Factor-15 (GDF-15) is a Biomarker of Muscle Wasting and Renal Dysfunction in Preoperative Cardiovascular Surgery Patients. <b>2019</b> , 8,	22
767	Platelet and white blood cell count are independently associated with sarcopenia: A nationwide population-based study. <b>2019</b> , 183, 36-44	3
766	Postoperative Skeletal Muscle Loss Predicts Poor Prognosis of Adenocarcinoma of Upper Stomach and Esophagogastric Junction. <b>2019</b> , 43, 1068-1075	9
765	Multiple Modes of Vitamin K Actions in Aging-Related Musculoskeletal Disorders. <b>2019</b> , 20,	18
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763	An Overview of Neuromuscular Junction Aging Findings in Human and Animal Studies. <b>2019</b> , 12, 28-34	4
762	Sarcopenia Associated with Chronic Obstructive Pulmonary Disease. <b>2019</b> , 26, 65-74	21
761	The impact of muscle function, muscle mass and sarcopenia on independent ageing in very old Swedish men. <b>2019</b> , 19, 153	19
760	Malnutrition and sarcopenia. <b>2019</b> , 31, 793-798	65

759	Sarcopenia. <b>2019</b> , 393, 2636-2646	626
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