

DAFTAR PUSTAKA

- Aryana, IGPS. et Daniella, D., 2025. The Role of Intermuscular Adipose Tissue in Aging Process: A Future Target Intervention. *Aging Medicine and Healthcare*, vol. 16, no.3, pp: 194-201.
- An, S.-M. et al., 2023. Adipose Tissue and Metabolic Health. *Diabetes & Metabolism Journal*, vol. 47, no. 5, pp. 595–611
- Baschung, P. et al., 2018. Manual muscle testing and hand-held dynamometry in people with inflammatory myopathy: An intra- and interrater reliability and validity study. *PLoS One*, vol. 13, no. 3
- Briand, M. et al., 2024. Body composition and aging: Cross-sectional results from the INSPIRE study in people 20 to 93 years old. *GeroScience*.
- Carbone, S. et al., 2020. Muscular Strength and Cardiovascular Disease: AN UPDATED STATE-OF-THE-ART NARRATIVE REVIEW. *J Cardiopulm Rehabil Prev*, vol. 40, no. 5, pp. 302-309
- Chiang, YL. et al., 2025. Waist circumference is an important determinant of relative muscle strength in patients with type 2 diabetes mellitus, *J Chin Med Assoc*
- Cho, M.S. et Kwon M.Y., 2023. Factors Associated with Aging in Place among Community-Dwelling Older Adults in Korea: Findings from a National Survey. *Int J Environ Res Public Health*, vol. 20, no. 3
- Costa-Pereira J.P. et al., 2025. Arm circumference as a marker of muscle mass: cutoff values from NHANES 1999-2006. *The American Journal of Clinical Nutrition*
- Davis, A.E. et al., 2021. Skeletal muscle aging, cellular senescence, and senotherapeutics: Current knowledge and future directions, *Mechanisms of Ageing and Development*, vol. 200
- De Melo, T.A. et al., 2023. The five times sit-to-stand test: safety, validity and reliability with critical care survivors's at ICU discharge. *Arch Physiother*, vol. 13, no.1, pp:2
- De Zwart, A. et al., 2022. Association Between Measures of Muscle Strength and Performance of Daily Activities in Patients with Knee Osteoarthritis, *Journal of rehabilitation medicine*, vol. 54
- Dhakal, A. et Bobrin, B.D., 2023. Cognitive Deficits. In: *StatPearls (Internet). Treasure Island (FL): StatPearls Publishing*

Dhar, D.K. et Purwar, B., 2023. Effect of Body Fat and BMI on Muscle Strength and Endurance in Young Adults: A Cross-sectional Study

Englund, D. A. et al., 2021. Skeletal muscle aging, cellular senescence, and senotherapeutics: Current knowledge and future directions, *Mechanisms of ageing and development*

Farrow, M. et al., 2021. Muscle deterioration due to rheumatoid arthritis: assessment by quantitative MRI and strength testing. *Rheumatology (Oxford, England)*, vol. 60, no. 3, pp. 1216–1225

Flint, B. et Tadi, P., 2023. Physiology, Aging. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*

Gauvain et al., 2024. Correlation between Muscle Mass and Physical Activity Level in Older Adults at Risk of Falling: The FITNESS Study. *The Journal of Frailty & Aging*, vol. 13, pp. 240-247

Goyal R. et al., 2023. Type 2 Diabetes. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*

Gustafsson, T. et Ulfhake, B., 2024. Aging Skeletal Muscles: What Are the Mechanisms of Age-Related Loss of Strength and Muscle Mass, and Can We Impede Its Development and Progression? *Int. J.Mol.Sci*, vol. 25, no. 20, p. 10932

Hafen, B.B. et Burns, B., 2023. Physiology, Smooth Muscle. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*

Hajebrahimi, F. et al., 2024. Effect of Hypertension on Muscle Strength, Balance, and Mobility in Older Adults. *Journal of Exercise Therapy and Rehabilitation*, vol. 11, no. 1, pp. 47-55

Hiol, A.N. et al., 2021. Body composition associations with muscle strength in older adults living in Auckland, New Zealand. *PLoS One*, vol. 16, no. 5

Holmes, C.J. et Racette, S.B., 2021. The Utility of Body Composition Assessment in Nutrition and Clinical Practice: An Overview of Current Methodology. *Nutrients*, vol 13, no. 8, pp. 2493

Shahinfar, H. et al., 2020. Association of major dietary patterns with muscle strength and muscle mass index in middle-aged men and women: Results from a cross-sectional study. *Clinical Nutrition ESPEN*, vol. 39, pp. 215-221

Jang, H.Y., 2020. Factors Associated with Successful Aging among Community-Dwelling Older Adults Based on Ecological System Model. *Int J Environ Res Public Health*, vol. 17, no. 9

- Keen, M.U. et Reddivari, K.R., 2023. Osteoporosis in Females. *In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*
- Keenan, A.R. et al., 2021. The association of objectively measured physical activity and sedentary behavior with skeletal muscle strength and muscle power in older adults: A systematic review and meta-analysis. *Ageing Research Reviews*, vol. 67
- Keller, K. et Engelhardt, M., 2014. Strength and muscle mass loss with aging process. Age and strength loss. *Muscles, ligaments and tendons journal*, vol. 3, no. 4, pp. 346–350.
- Kim, S.Y. et Won, C.W., 2022. Sex-different changes of body composition in aging: a systemic review. *Archives of Gerontology and Geriatrics*, vol. 102
- Kuriyan, R., 2018. Body composition techniques. *Indian J Med Res*, vol. 148, no. 5, pp. 648-658.
- Kuschel, L.B. et al., 2022. Factors of Muscle Quality and Determinants of Muscle Strength: A Systematic Literature Review. *Healthcare (Basel)*, vol. 10, no. 10
- Ladda, T. et al., 2023. Body composition, fear of falling and balance performance in community-dwelling older adults. *Translational Medicine of Aging*, vol. 7, pp 80-86
- Lafont, C. et al., 2021. Diagnostic Performance of the 4-Item Geriatric Depression Scale for Depression Screening in Older Patients with Cancer: The ELCAPA Cohort Study. *The oncologist*, vol. 26, no. 6, pp. 983–991
- Lee, M.R. et al., 2018. Association between muscle strength and type 2 diabetes mellitus in adults in Korea: Data from the Korea national health and nutrition examination survey (KNHANES) VI. *Medicine*, vol. 97, no. 23
- Lee, S.H. et Gong, H.S., 2020. Measurement and Interpretation of Handgrip Strength for Research on Sarcopenia and Osteoporosis. *J Bone Metab*, vol. 27, no. 2, pp 85-96
- Lemos, T. et Gallagher, D., 2017. Current body composition measurement techniques. *Curr Opin Endocrinol Diabetes Obes*, vol. 24, no. 5, pp. 310-314.
- Luo, J.H. et al., 2023. Association between relative muscle strength and hypertension in middle-aged and older Chinese adults. *BMC public health*, vol. 23, no. 1, pp. 2087
- Lupton-Smith, A. et al., 2022. Measurement of hand grip strength: A cross-sectional study of two dynamometry devices. *S Afr J Physiother*, vol. 78, no.1

- Lopes-Paciencia, S. et al., 2019. The senescence-associated secretory phenotype and its regulation. *Cytokine*, vol. 117, pp. 15-22
- Lopez, E.O. et al., 2023. Cardiovascular Disease. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*
- Lopez-Jaramillo, P. et al., 2022. Muscular Strength in Risk Factors for Cardiovascular Disease and Mortality: A Narrative Review. *Anatolian journal of cardiology*, vol. 26, no. 8, pp. 598–607
- Mukund, K. et Subramaniam, S., 2020. Skeletal muscle: A review of molecular structure and function, in health and disease. *Wiley Interdiscip Rev Syst Biol Med*, vol. 12, no. 1
- McCuller, C. et al., 2024. Physiology, Skeletal Muscle. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*
- McCormick, R. et Vasilaki, A., 2018. Age-related changes in skeletal muscle: changes to life-style as a therapy. *Biogerontology*, vol. 19, pp. 519–536
- McNeil, C.J. et al., 2005. Motor unit number estimates in the tibialis anterior muscle of young, old, and very old men. *Muscle Nerve*, vol. 31, pp. 461–467
- Mittal, B., 2019. Subcutaneous adipose tissue & visceral adipose tissue. *Indian J Med Res*, vol. 149, no. 5, pp. 571-573
- Moore, B.A. et al., 2020. Fat Mass is Negatively Associated With Muscle Strength and Jump Test Performance. *The Journal of Frailty and Aging*, vol.9, no.4, pp: 214-218
- Murbawani, E.A. et al., 2021. Correlation of dietary intake and physical activity with nutritional status, body composition and hand grip strength in elderly. *Jurnal Gizi Indonesia (The Indonesian Journal of Nutrition)*, vol. 10, no. 1,
- Oikawa, S.Y., et al., 2019. The Impact of Step Reduction on Muscle Health in Aging: Protein and Exercise as Countermeasures. *Front Nutr.* vol. 24, no. 6, pp. 75
- Ou, M.Y. et al., 2022. Adipose tissue aging: mechanisms and therapeutic implications. *Cell Death Dis*, vol. 13, no. 4,
- Papa, E.V. et al., 2017. Skeletal Muscle Function Deficits in the Elderly: Current Perspectives on Resistance Training. *J Nat Sci.*, vol. 3, no.1
- Park, S.W. et al., 2006. Decreased muscle strength and quality in older adults with type 2 diabetes: the health, aging, and body composition study. *Diabetes*, vol. 55, no. 6

Park, T.S. et Shin, M.J., 2024. Comprehensive Assessment of Lower Limb Function and Muscle Strength in Sarcopenia: Insights from the Sit-to-Stand Test. *Ann Geriatr Med Res*, vol. 28, no.1, pp: 1-8

Pasdar, Y. et al., 2019. Associations between Muscle Strength with Different Measures of Obesity and Lipid Profiles in Men and Women: Results from RaNCD Cohort Study. *Clin Nutr Res*, vol. 8, no. 2, pp. 148-158

Pelegri, A. et al., 2022. Relationship Between Muscle Strength, Body Composition and Bone Mineral Density in Adolescents. *J Clin Densitom*, vol. 25, no. 1, pp. 54-60

Pierre, Q. et al., 2013, Chapter 149 - Juvenile dermatomyositis. *Handbook of Clinical Neurology, Elsevier*, vol. 113, pp. 1457-1463

Potter, A.W., et al., 2024. Defining Overweight and Obesity by Percent Body Fat instead of Body Mass Index. *J Clin Endocrinol Metab*

Raghupathy, R., et al, 2023. Higher abdominal adiposity is associated with higher lean muscle mass but lower muscle quality in middle-aged and older men and women: the Framingham Heart Study. *Aging Clin Exp Res*, vol. 35, no. 7, pp. 1477-1485

Rahemi, H., et al., 2015. The Effect of Intramuscular Fat on Skeletal Muscle Mechanics: Implications for the Elderly and Obese. *J R Soc Interface*, vol.12

Reber, E., et al., 2019. Nutritional Risk Screening and Assessment. *Journal of clinical medicine*, vol. 8, no. 7

Reggiani, C., et Schiaffino, S., 2020. Muscle hypertrophy and muscle strength: dependent or independent variables? A provocative review, *European journal of translational myology*, vol. 30, no. 3, p. 9311

Regulski, M.J., 2017. Cellular Senescence: What, Why, and How. *Wounds*, vol. 29, no. 6, pp. 168-174

Richard, A.J., et al., 2020. Adipose Tissue: Physiology to Metabolic Dysfunction. *South Dartmouth (MA): MDText.com*

Ripa, R., et al., 2023. Physiology, Cardiac Muscle. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*

Sabir, Z., et al., 2023. The association of dietary patterns with muscle mass and strength in old age: The Hordaland Health Study. *Eur J Nutr*, vol. 62, no. 7, pp. 2739-2750

- Samadi, M., et al., 2021. Major dietary patterns in relation to muscle strength status among middle-aged people: A cross-sectional study within the RaNCD cohort. *Food Sci Nutr*, vol. 9, no.12, pp. 6672-6682
- Sandoval, C., et al., 2024. Effectiveness of supplementation to potentiate lean mass gain during resistance training: A systematic review. *Science & Sports*, vol 39, pp. 19-35,
- Saxton, A., et al., 2023. Anatomy, Thorax, Cardiac Muscle. In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*
- Schaap, L.A. et al., 2012. Adiposity, Muscle Mass, and Muscle Strength in Relation to Functional Decline in Older Person. *Epidemiologic Reviews*, vol. 35, no. 1, pp: 51-65
- Senthelal, S., et al., 2023. Arthritis, In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*
- Shinsuke, N. et Kristin S., 2023. Brown adipose tissue and aging: A potential role for exercise. *Experimental Gerontology*, vol. 178
- Singh, K. et al., 2019. Mid-Upper Arm Circumference as an Indicator of Undernutrition Among Old Age Home and Community Based Elderly in Punjab, India. *Vitality, Medicine, & Engineering Journal*
- Siparsky, P.N., et al., 2014. Muscle changes in aging: understanding sarcopenia. *Sports Health*, vol. 6, no. 1, pp. 36-40
- Stéphane, L.P., et al., 2019. The senescence-associated secretory phenotype and its regulation. *Cytokine*, vol. 117, pp. 15-22
- St-Onge, M.P. et Gallagher, D., 2010. Body composition changes with aging: the cause or the result of alterations in metabolic rate and macronutrient oxidation? *Nutrition*, vol. 26, no. 2
- Sung, E.S., et al., 2022. Impact of Body Mass Index on Muscle Strength, Thicknesses, and Fiber Composition in Young Women. *International journal of environmental research and public health*, vol. 19, no. 16
- Talbot, J. et Maves, L., 2016. Skeletal muscle fiber type: using insights from muscle developmental biology to dissect targets for susceptibility and resistance to muscle disease. *Wiley Interdiscip Rev Dev Biol*, vol. 5, no. 4
- Taniguchi, Y., et al., 2019. The Association between Osteoporosis and Grip Strength and Skeletal Muscle Mass in Community-Dwelling Older Women. *International journal of environmental research and public health*, vol. 16, no. 7

- Tieland, M., et al., 2018. Skeletal muscle performance and ageing. *J Cachexia Sarcopenia Muscle*, vol. 9, no. 1
- Tovée, M.J., 2012, Encyclopedia of Body Image and Human Appearance, *Academic Press*, pp. 23-29
- VanVoorhis, C.R.W. et Morgan, B.L., 2007. Understanding Power and Rules of Thumb for Determining Sample Sizes. *University of Winconsin-La Crosse*, vol. 3, n0. 2, pp. 43-50
- Volpi, E., et al., 2004. Muscle tissue changes with aging. *Curr Opin Clin Nutr Metab Care*, vol. 7, no. 4
- Walter, R.F., 2017. Physiologic Changes of the Musculoskeletal System with Aging: A Brief Review. *Physical Medicine and Rehabilitation Clinics of North America*, vol. 28, pp. 705-711
- Wang, X.F. et Chen, Z.S., 2020. Cross-Sectional Studies: Strengths, Weaknesses, and Recommendations. *Chest*, vol. 158, pp. S65-S71
- Wells, J.C., et Fewtrell, M.S., 2006. Measuring body composition. *Arch Dis Child*, vol. 91, no. 7
- World Health Organization, 2008. Waist Circumference and Waist-Hip Ratio Report of a WHO Expert Cnsultation. *Geneva: World Health Organization*
- Yang, P., et al., 2022. Using Quantitative Computed Tomography to Study the Correlation Between Physical Composition and Grip Strength in Young People. *Sichuan Da Xue Xue Bao Yi Xue Ban*, vol. 53, no. 6, pp. 1081-1089
- Yogesh, M., et al., 2024. Gripping Insights: Prevalence of Hypertension and Its Association with Relative Muscle Strength- A Cross-Sectional Study in an Adult Indian Population. *Journal of Health, Population, and Nutrition*, vol. 43, no. 215
- Zierle-Ghosh, A., et Jan, A., 2023. Physiology, Body Mass Index. In: *StatPearls [Internet]*. *Treasure Island (FL): StatPearls Publishing*