

# Heimildaskrá

1. Bahr R, Ingnes I, Vaage O, Sejersted O, Newsholme E. 1987. Effect of duration of exercise on excess post-exercise consumption. *The journal of applied physiology* 62, 485-490.
2. Bandy WD, Irion JM. 1994. The effect of time on static stretch on the flexibility of the hamstring muscle. *Physical therapy* 74. tbl. 9. árg.: 845-850.
3. Bandy Wd, Irion JM, Briggler M. 1998. The effect of static stretch and dynamic range of motion training on the flexibility of the hamstring muscles. *The journal of orthopedic sport physical therapy*, 27.
4. Barr KP, Griggs M, Cadby T. 2005. Lumbar stabilization: core concepts and current literature, Part 1. *American Journal of physical medical rehabilitation*, 84:473-480.
5. Bompa, T. 1999. *Periodization: theory and methodology of training* 4th edition. Champaign, Illinois. Human Kinetics.
6. Behm DG. 1995. Neuromuscular implication and applications of resistance training. *The journal of strength and conditioning research* 9, 264-274.
7. Beim G, Giraldo JL, Pincibero DM, Borrer Mj, Fu FH. 1997. Abdominal strengthening exercise: a comparative EMG study. *The journal of sport rehabilitation* 6, 11-20.
8. Braun WA, Hawthorne WE, Markofski MM. 2005. Acute EPOC response in women to circuit training and treadmill exercise of matched oxygen consumption. Shippensburg, PA. *European Journal applied physiology* 94.:500-504.
9. Campos Ger, Luecke TJ, Wendeln HK, 2002. Toma K, Hagerman FC, Murray TF, Ragg KE, Ratamess NA, Kreamer WJ, Staron RS. Muscular adaptations in response to three different resistance-training regimens: specificity of reception maximum training zones. Athens, Ohio. *European journal of applied physiology* 88.:50-60.
10. Carraffa A, Cerulli G, Progetti M, Aisa G, Rizzo A. 1996. Prevention of anterior cruciate ligament injuries in soccer: a prospective controlled study of proprioceptive training. Terni, Italy. *Knee surgery, sports traumatol, Arthroscopy* 4.:19-21.
11. Chappell JD, Limpisvasti O. 2008. Effect of a neuromuscular training program on the kinetics and kinematics of jumping tasks. Los Angeles, California. *The American journal of sport medicine* 36,1081-1086.
12. Chappell JD, Creighton A, Guiliani C, Yu B, Garrett WE. 2007. Kinematics and electromyography of landing preparation in vertical stop jump: risks for noncontact anterior cruciate ligament injury. Chapel Hill, North Carolina. *The American journal of sport medicine* 35.:235-241.
13. Chek P. *Scientific core conditioning*. 1993. Vista CA. Chek institute.
14. Clark MA, Lucett SC, Corn RJ. 2008. *NASM essentials of personal fitness training* 3rd edition. Baltimore MD. Lippincott Williams & Wilkins.
15. Chu DA. 1996. *Explosive power & strength; complex training for maximum results*. Champaign IL. Human kinetics.
16. Comerford MJ, Mottram SL. 2001. *Movement and stability dysfunction – contemporary developments*. Manual therapy.
17. Coyle EF. 2005. Very intense exercise-training is extremely potent and time efficient: a reminder. Austin, Texas. *Journal applied physiology* 98.:983-984.
18. Ebbeling CB, Clarkson PM. 1989. Exercise-induced muscle damage and adaptation. Amherst, Massachusetts. *Sport medicine* 7.:207-234.
19. Evans WJ. 1999. *Exercise training guidelines for the elderly*. Little Rock, Arkansas. *Medicine and science in sport and exercise* 31, 12-17.
20. Evans W. 1992. *Biomarkers*. New York. Simon and Schuster.
21. Fahey TD, Rolph R, Moungmee P, Nagel J, Mortara S. 1976. Serum testosterone, body composition, and strength of young adults. *Medical science sport* 8.:31-34.

22. Falk B, Tenenbaum G. 1996. The effectiveness of resistance training in children: a meta-analysis. Netanya Israel. Sport medicine 22, 176-186.
23. Farentinos RC, Radcliffe JC. 1999. High-powered plyometrics. Champaign IL. Human kinetics.
24. Fasn JM, O'connor AM, Schwartz SL. 2009. A randomized controlled trial of hamstring stretching: comparison of four techniques. The journal of strength and conditioning research, 23. tbl. 2. árg.: 660-667.
25. Fernandes-de-las-penas C, Alonso-Blanco C, Cuadrado ML, Gerwin RD, Pareja JA. 2006. Myofascial trigger points and their relationship to headache clinical parameters in chronic tension type headache. Madrid, Spain. Headache 46.: 1264-1272.
26. Fernandes-de-las-penas C, Alonso-Blanco C, Cuadrado ML, Gerwin RD, Pareja JA. 2006. Trigger points in the suboccipital muscles and forward head posture in tension type headache. Madrid, Spain. Headache 46.:454-460.
27. Fleck SJ, Kraemer WJ. 2004. Designing resistance training programs 3rd edition. Champaign IL. Human kinetics.
28. Fleck SJ, Kraemer WJ. 2007. Optimizing strength training; designing nonlinear periodization workouts. Champaign IL. Human kinetics.
29. Frederick, A. Frederick C. 2006. Stretch to win. Champaign, Illinois. Human Kinetics.
30. Freeman MAR, Wyke B. 1967. 54:990-1001. Articular reflexes at the ankle joint: an EMG study of normal and abnormal influences of ankle joint mechanoreceptors upon reflex activity in the leg muscles. British journal of surgeries.
31. Gilchrist J, Mandelbaum BR, Melancon H, Ryan GW, Silvers HJ, Griffin LY, Watanabe DS, Dick RW, Dvorak J. 2008. A randomized controlled trial to prevent noncontact anterior cruciate ligament injury in female collegiate soccer players. Zurich, Switzerland. The American journal of sport medicine 36.:1476-1483.
32. Golomer E, Dupui P, Monod H. 1997. Sex-linked differences in equilibrium reactions among adolescents performing complex sensorimotor tasks. Toulouse, France. Journal of physiology 91.:49-55.
33. Goto K, Higashiyama M, Ishii N, Takamatsu K. 2005. Prior endurance exercise attenuates growth hormone response to subsequent resistance exercise. Tokyo, Japan. European journal of applied physiology 94.:333-338.
34. Graham J. 2002. Periodization research and an example application. Allentown Pennsylvania. Strength and Conditioning journal 24, 62-70.
35. Grigg P. 1994. Peripheral neural mechanisms in proprioception. The journal of sports rehabilitation 3, 2-17.
36. Guskiewicz KM, Perrin DM. 1996. Effect of orthotic on postural sway following inversion ankle sprain. The Journal of orthopedic and sport physical therapy 5, 326-331.
37. Guskiewicz KM, Perrin DM. 1996. Research and clinical applications of assessing balance. The journal of sport rehabilitation 5, 45-63.
38. Hackney KJ, Engels HJ, Gretebeck RJ. 2008. Resting energy expenditure and delayed onset muscle soreness after full body resistance training with an eccentric concentration. Detroit, Michigan. The journal of strength and conditioning research 22.:1602-1609.
39. Haff GG, Stone MH, O'Bryant HS. 1997. Force-time dependent characteristics of dynamic and isometric muscle contraction. The journal of strength and conditioning research 11, 269-272.
40. Halbertsma JPK, Van Bulhuis AI, Goeken LNH. 1996. Sport stretching: effect on passive muscle stiffness of short hamstrings. Groningen the Netherlands. Archives of physical medicine and rehabilitation.

41. Hamilton MT, Booth FW. 2000. Skeletal muscle adaptation to exercise: a century of progress. *Journal of applied physiology* 88, 327-331.
42. Hoeger WK, Hopkins DR, Barette SL. 2003. Relationship between repetitions and selected percentages of one repetition maximum: A comparison between untrained and trained males and females. *Journal of strength and conditioning research*.
43. Hurley MV, Jones DW, Newham DJ. 1994. Arthrogenic quadriceps inhibition and rehabilitation of patients with extensive traumatic knee injuries. London, England. *Clinical Science* 85, 305-310.
44. Jones CS, Christensen C, Young M. 2000. Weight training injury trends. Fayetteville Arkansas. *Physician and sportmedicine* 7, 61-72.
45. Jull G, Richardsson CA, Hamilton C, Hodges PW, Ng J. 1995. Towards the validation of a clinical test for the deep abdominal muscles in back pain patients. Goal Coast, Queensland. Manipulative physiotherapists association of Australia.
46. Jurimae T, Karelson K, Smironva T, Viru A. 1990. The effect of a single-circuit weight-training session on the blood biochemistry of untrained university students. Tartu, Estonia. *European journal of applied physiology* 61.:344-348.
47. Karovonen J. 1992. Importance of warm-up and cool-down on exercise performance. *Med sport science* 35, 182-214.
48. Katch FI, Katch VL, McArdle WD. 2007. *Exercise physiology; energy, nutrition & human performance* 6th edition. Baltimore MD. Lippincott Williams & Wilkins.
49. Kendall FP, McCreary EK, Provance PG. 1993. *Muscle testing and function*. Baltimore. Lippincott, Williams & Wilkins.
50. Kramer WJ, Noble BJ, Clark MJ. 1987. Physiological responses to heavy-resistance exercises with very short rest periods. *International journal of sport medicine* 8, 247-251.
51. Kuo CC, Fattor JA, Henderson GC, Brooks GA. 2005. Lipid oxidation in fit young adults during postexercise recovery. Berkeley, California. *Journal of applied physiology* 99.:349-356.
52. Lewitt K. 1985. Muscular and articular factors in movement restriction. *Man Med* 1, 83-85.
53. Luttgens K, Hamilton N. 1997. *Kinesiology: scientific basis of human motion* 9th edition. Dubuque IA. Brown & Benchmark publishers.
54. MacDonald DA, Moseley GL, Hodges PW. 2006. The lumbar multifidus: does the evidence support clinical beliefs?. Brisbane, Australia. *Manual therapy*.
55. Markovic G. 2007. Does plyometric training improve vertical jump height? A meta-analytical review. Zagreb, Croatia. *British journal of sport medicine* 41.:349-355.
56. McGill S. 2006. *Ultimate back fitness and performance* 2nd edition. Waterloo, Ontario. Backfitpro Inc.
57. Miller MG, Herniman JJ, Ricard MD, Cheatham CC, Michael TJ. 2006. The effect of a 6 week plyometric training program on agility. Michigan. *Journal of sport science and medicine* 5.:459-465.
58. Mirzaei B, Rahmani N, Saberi Y. 2008. Comparison of 3 different rest intervals on sustainability of squat repetitions with heavy vs. light loads. Rasht, Iran. *Brazilian journal of biotricity*, 220-229.
59. Monfort-Panego M, Vera-Garcia FJ, Sanchez-Zuriaga D, Sarti-Martinez A. 2009. Electromyographic studies in abdominal exercise: A literature synthesis. Valencia, Spain. *National university of health sciences*, 32.:232-244.
60. Myer GD, Ford KR, McLean SG, Hewett TE. 2006. The effects of plyometric versus dynamic stabilization and balance training on lower extremity biomechanics. Cincinnati, Ohio. *The American journal of sports medicine* 34.:445-455.

61. Ortiz A, Olson S, Libby CL, Trudelle-Jackson E, Kwon Y, Etnyre B, Bartlett W. 2008. Landing mechanics between noninjured women and women with anterior cruciate ligament reconstruction during 2 jump tasks. Houston, Texas. The American journal of sports medicine 36.:149-157.
62. O'Sullivan K, Murray E, Sainsbury D. 2009. The effect of warm-up, static stretching and dynamic stretching on hamstring flexibility in previously injured subjects. BMC Musculoskeletal disorders.
63. Poliquin C. 1997. The Poliquin Principles. Napa, California. Dayton Writers group.
64. Pan XP, Li GW. 1997. Effects of diet and exercise in preventing NIDDM in people with impaired glucose tolerance. Diabetes care 20, 537-544.
65. Raastad T, Bjoro T, Hallen J. 2000. Hormonal responses to high- and moderate-intensity strength exercise. Oslo, Norway. European journal of applied physiology 82.:121-128.
66. Ratamess NA, Falvo MJ, Mangine GT, Hoffamn JR, Faigenbaum AD, Kang J, 2007. The effect of rest interval length on metabolic responses to the bench press exercise. Ewing, New Jersey. European journal of applied physiology 100.:1-17.
67. Reves NP, Cholewicki J, Milner TE. 2005. Muscle reflex classification of low back pain. Burnaby, Canada. Journal of electromyography and kinesiology 15.:53-6.
68. Rhea MR, Phillips WT, Burkett LN. 2003. A comparison of linear and daily undulating periodized programs with equated volume and intensity for local muscular endurance. Tempe, Arizona. Journal of strength and conditioning research, 17:82-87.
69. Ringsberg K, Gerghem P, Johansson J, Obrant KJ. 1999. Is there a relationship between balance, gait performance and muscular strength in 75-year old women?. Malmö, Svíþjóð. Age Aging 28, 289-293.
70. Roberts JM, Wilson K. 1999. Effect of stretching duration on active and passive range of motion in the lower extremity. British journal of sport medicine 33. tbl.: 259-263.
71. Sady SP, Wortman M, Blanke D. 1982. Flexibility training: ballistic, static or proprioceptive neuromuscular facilitation?. Archives of physical medicine and rehabilitation 6, 261-262.
72. Sahrman SA. 2002. Diagnosis and treatment of movement impairment syndromes. St. Louis Missouri. Mosby.
73. Sale DG. 1988. Neural adaptation to resistance training. Med Science of sport and exercise 5, 135-145.
74. Sale DG. 1987. Influence of exercise and training on motor unit activation. Exercise and sport science 15, 95-151.
75. Schoenfeld B. 2000. Repetitions and muscle hypertrophy. Strength and conditioning journal 22.:67-69.
76. Schmidt RA, Lee TD. 1999. Motor control and learning: A behavioral emphasis 3rd edition. Champaign IL. Human Kinetics.
77. Schuenke MD. 2002. Effect of an acute period of resistance exercise on excess postexercise oxygen consumption: implications for body mass management. West Lafayette, Indiana. European journal of applied physiology 86.:411-417.
78. Schular, L, Cosgrove, A. 2006. The new rules of weight lifting. New York, New York. Penguin group.
79. Seyle H. 1976. The stress of life. New York. McGraw-Hill.
80. Shimano T, Kraemer WJ, Spiering BA, Fleck SJ, Fragala MS. 2006. Relationship between the number of repetitions and selected percentages of one repetition maximum in free weight exercises in trained and untrained men. Storrs, Connecticut. Journal of strength and conditioning research 20.:819-823.

81. Shimokochi Y, Shultz SJ. 2008. Mechanisms of noncontact anterior cruciate ligament injury. Osaka, Japan. *Journal of athletic training* 43.:396-408.
82. Shrier Ian. 2004. Does stretching improve performance? *Clinical journal sport medicine*, 13. tbl. 5. árg.: 267-273.
83. Stevens VK, Vleeming A, Bouche KG, Mahieu NN, Vanderstraeten , Danneels LA. 2007. Electromyographic activity of trunk and hip muscle during stabilization exercises in four-point kneeling in healthy volunteers. Rotterdam, Netherlands. *European spine journal* 16.:711-718
84. Silfies SP, Squillante D, Maurer P, Westscott S, Karduna AR. 2005. Trunk muscle recruitment patterns in specific chronic low back pain populations. Philadelphia, MA. *Clinical Biomechanics* 20.: 465-473.
85. Slemenda C, Heilman DK, Brandt KD, Katz BP, Mazzuca SA. 1998. Reduced quadriceps strength relative to body weight. A risk factor for knee osteoarthritis in women?. Indiana, Indianapolis. *Arthritis Rheumatol* 42, 1951-1959.
86. Talanian JL, Galloway SDR, Heigenhauser GJF, Bonen A, Spriet LL. 2007. Two weeks of high-intensity aerobic interval training increases the capacity for fat oxidation during exercise in women. Hamilton, Canada. *Journal of applied physiology* 102.:1439-1447.
87. Urquhart DM, Hodges PW, Story IH. 2005. Postural activity of the abdominal muscles varies between regions of these muscles and between body positions. Melbourne, Australia. *Gait & posture* 22.:295-301.
88. Urquhart DM, Hodges PW, Allen TJ, Story IH. 2005. Abdominal muscle recruitment during a range of voluntary exercises. Victoria, Australia. *Manual Therapy* 10.:144-155.
89. Vera-Garcia FJ, Elvira JLL, Brown SHM, McGill SM. 2006. Effect of abdominal stabilization maneuvers on the control of spine motion and stability against sudden trunk perturbations. Guadalupe, Spain. *Journal of electromyography and kinesiology*.
90. Voight M, Cook G. 1996. Clinical application of closed kinetic chain exercise. *The journal of sport rehabilitation* 5, 25-44.
91. Williford HN, Olson MS, Gauger, S, Duey Wj, Blessing DL. 1998. Cardiovascular and metabolic costs of forward, backward and lateral motion. Montgomery Al. *Medicine sci sport exercise* 9, 1419-1423.
92. Witvrouw E, Danneels, Asselman P. 2003. Muscle flexibility as a risk factor for developing muscle injuries in male professional soccer players. Ghent Belgium. *The American journal of sport medicine*, 31. tbl. 1. árg.: 41-46.
93. Yip C, Chiu T, Poon A. The relationship between head posture and severity and disability of patients with neck pain. . Hong Kong, China. *Manual therapy* 13, 148-154, 2008.
94. Zatsiorsky, VM. Kraemer WJ. 2006. Science and practice of strength training. Champaign, Illinois. *Human Kinetics*.
95. Ziv G, Lidor R. 2009. Vertical jump in female and male basketball players – A review of observational and experimental studies. Israel. *Journal of science and medicine in sport*.