

REFERENCE

1. Siff, M. C., Supertraining, 2003, Supertraining Institute Denver, USA. p. 498.
2. Duspiva, K. a J. Šaman, Vzpírání, 1983, Olympia: Praha. p. 158.
3. Sakamoto, A. a P.J. Sinclair, Effect of movement velocity on the relationship between training load and the number of repetitions of bench press. *J Strength Cond Res*, 2006. 20(3): p. 523-7.
4. Zatsiorsky, V. M., Science and practice of strength training, 1995, Human Kinetics: Champaign, IL.
5. Antonio, J. a W. J. Gonyea, Skeletal muscle fiber hyperplasia. *Med Sci Sports Exerc*, 1993. 25(12): p. 1333-45.
6. MacDougall, J. D., D. G. Sale, G. C. Elder, a J. R. Sutton, Muscle ultrastructural characteristics of elite powerlifters and bodybuilders. *Eur J Appl Physiol Occup Physiol*, 1982. 48(1): p. 117-26.
7. Tesch, P. A. a L. Larsson, Muscle hypertrophy in bodybuilders. *Eur J Appl Physiol Occup Physiol*, 1982. 49(3): p. 301-6.
8. MacDougall, J. D., D. G. Sale, S. E. Alway, a J. R. Sutton, Muscle fiber number in biceps brachii in bodybuilders and control subjects. *J Appl Physiol*, 1984. 57(5): p. 1399-403.
9. Gonyea, W. J., Role of exercise in inducing increases in skeletal muscle fiber number. *J Appl Physiol*, 1980. 48(3): p. 421-6.
10. Fleck, S. J. a W. J. Kraemer, Designing resistance training program, 1997, Champaign, IL: Human Kinetics. p. 275.
11. Dylevský, I., R. Druga, a O. Mrázková, Funkční anatomie člověka, 2000, Grada publishing: Praha.
12. Véle, F., Kineziologie pro klinickou praxi, 1997, Grada Publishing, Praha. p. 272.
13. Poliquin, C., The Poliquin Principles: Successful Methods for Strength and Mass Development 1997, Dayton Publications & Writers Group. p. 152.
14. Dovalil, J. a M. Choutka, Sportovní trénink, 1991, Olympia: Praha.
15. Wood, T. M., G. F. Maddalozzo, a R. A. Harter, Accuracy of Seven Equations for Predicting 1-Rm Performance of Older Adults. *Medicine & Science in Sports & Exercise*, 1999. 31(5): p. S382.
16. LeSuer, D. A., J. H. McCormick, J. L. Mayhew, R. L. Wasserstein, a M. D. Arnold, The Accuracy of Prediction Equations for Estimating 1-RM Performance in the Bench Press, Squat, and Deadlift. *The Journal of Strength & Conditioning Research*, 1997. 11(4): p. 211-213.
17. Brzycki, M., Strength testing - Predicting a one-rep max from a reps-to-fatigue. *Journal of Physical Education, Recreation and Dance*, 1993. 64(1): p. 88-90.
18. Baechle, T. R., R. W. Earle, a D. Wathen, Resistance training, in *Essentials of strength training and conditioning*, N. S. C. Association, Editor 2000, Human Kinetics: Champaign IL. p. 410-411.
19. Landers, J., Maximum based on reps. *National Strength and Conditioning Association Journal*, 1984. 6: p. 60-61.
20. dos Remedios, R. a M. Boyle, Men's Health Power Training: Build Bigger, Stronger Muscles with through Performance-based Conditioning, 2007, Rodale Books. p. 333.
21. Epley, B., Poundage chart. *Boyd Epley workout.*, 1985: Lincoln, NE.
22. O'Conner, B., J. Simmons, a P. O'Shea, *Weight Training Today*, 1989, West Publishers: St. Paul: MN.
23. Newton, H., Explosive lifting for sports, 2002, Human Kinetics: Champaign, IL. p. 191.
24. Campos, G., T. Luecke, H. Wendeln, K. Toma, F. Hagerman, T. Murray, K. Ragg, N. Ratamess, W. Kraemer, a R. Staron, Muscular adaptations in response to three different resistance-training regimens: specificity of repetition maximum training zones. *Eur J Appl Physiol*, 2002. 88(1): p. 50-60.
25. Kraemer, W. J. a N. A. Ratamess, Fundamentals of resistance training: progression and exercise prescription. *Med Sci Sports Exerc*, 2004. 36(4): p. 674-88.
26. McDonagh, M. J. a C. T. Davies, Adaptive response of mammalian skeletal muscle to exercise with high loads. *Eur J Appl Physiol Occup Physiol*, 1984. 52(2): p. 139-55.
27. Poliquin, C., *Modern Trends in Strength Training: Volume 1, Sets and Reps* 2001, Charlespoliquin.Net. p. 58.
28. Maughan, R. J., M. Harmon, J. B. Leiper, D. Sale, a A. Delman, Endurance capacity of untrained males and females in isometric and dynamic muscular contractions. *Eur J Appl Physiol Occup Physiol*, 1986. 55(4): p. 395-400.

29. Westcott, W. L., Differences in muscle performance with a given submaximal resistance. *Scholastic Coach*, 1986.
30. Desgorces, F. D., G. Berthelot, G. Dietrich, a M.S.A. Testa, Local Muscular Endurance and Prediction of 1 Repetition Maximum for Bench In 4 Athletic Populations. *The Journal of Strength & Conditioning Research*, 2010. 24(2): p. 394-400.
31. Hoeger, W. W., S. L. Barette, D. F. Hale, a D. R. Hopkins, Relationship between repetitions and selected percentages of one repetition maximum. *Journal of Applied Sport Science Research*, 1987. 1(1): p. 11-13.
32. Hakkinen, K. a A. Pakarinen, Acute hormonal responses to two different fatiguing heavy-resistance protocols in male athletes. *J Appl Physiol*, 1993. 74(2): p. 882-7.
33. Hoffman, J. R., J. Im, K. W. Rundell, J. Kang, S. Nioka, B. A. Spiering, R. Kime, a B. Chance, Effect of muscle oxygenation during resistance exercise on anabolic hormone response. *Med Sci Sports Exerc*, 2003. 35(11): p. 1929-34.
34. Raastad, T., T. Bjoro, a J. Hallen, Hormonal responses to high- and moderate-intensity strength exercise. *Eur J Appl Physiol*, 2000. 82(1-2): p. 121-8.
35. Hatfield, F. C., *Power: A Scientific Approach* 1989, McGraw-Hill. p. 352.
36. Paulsen, G., D. Myklestad, a T. Raastad, The Influence of Volume of Exercise on Early Adaptations to Strength Training. *The Journal of Strength & Conditioning Research*, 2003. 17(1): p. 115-120.
37. Fox, E. L., R. W. Bowers, a M. L. Foss, *The Physiological Basis of Physical Education and Athletics*, 1989, Wm. C. Brown Publishers: Dubuque, IA. p. 752.
38. McArdle, W. D., F. I. Katch, a V. L. Katch, *Exercise Physiology: Energy, Nutrition, and Human Performance*, 2001, Lippincott William & Wilkins: Philadelphia. p. 1158.
39. King, I., *Get Buffed: Ian King's Guide to Getting Bigger, Stronger and Leaner*, 2000, King Sorts Publishing Australia. p. 303.
40. Hakkinen, K., P. V. Komi, a P. A. Tesch, Effect of combined concentric and eccentric strength training and detraining on force-time, muscle fiber and meta-bolic characteristics of leg extensor muscles. *Scand. J. Sports Sci.*, 1981. 3: p. 50-58.
41. Hill, A. V., The Heat of Shortening and the Dynamic Constants of Muscle. *Proceedings of the Royal Society of London. Series B - Biological Sciences*, 1938. 126(843): p. 136-195.
42. Hill, A. V., *First and Last Experiments in Muscle Mechanics*, 1970, Cambridge University Press: Cambridge. p. 158.
43. Katz, B., The relation between force and speed in muscular contraction. *J Physiol*, 1939. 96(1): p. 45-64.
44. Herzog, W., Muscle, in *Biomechanics of the Musculo-Skeletal System*, B. M. Nigg and W. Herzog, Editors. 1999, Wiley. p. 148-188.
45. Kraemer, J. W., A. N. Ratamess, C. A. Fry, a N. D. French, Strength Training: Development and Evaluation of Methodology, in *Physiological Assessment of Human Fitness*, J. P. Maud and C. Foster, Editors. 2006, Human Kinetics Champaign. p. 119-150.
46. Van Oteghen, S. L., Two Speeds of Isokinetic Exercise as Related to the Vertical Jump Performance of Women. *Research Quarterly*, 1975. 46(1): p. 78-84.
47. Bottaro, M., S. N. Machado, W. Nogueira, R. Scales, a J. Veloso, Effect of high versus low-velocity resistance training on muscular fitness and functional performance in older men. *Eur J Appl Physiol*, 2007. 99(3): p. 257-64.
48. Westcott, W. L., *Strength fitness : physiological principles and training techniques*, 1987, Allyn and Bacon, Inc.: Boston. p. 211.
49. Harris, G. R., M. H. Stone, H. S. O'Bryant, C. M. Proulx, a R. L. Johnson, Short-Term Performance Effects of High Power, High Force, or Combined Weight-Training Methods. *The Journal of Strength & Conditioning Research*, 2000. 14(1): p. 14-20.
50. Brooks, G. A., T. D. Fahey, a K. M. Baldwin, *Exercise Physiology: Human Bioenergetics and Its Applications*, 2004, McGraw-Hill Companies: New York. p. 876.
51. Lesmes, G. R., D. L. Costill, E. F. Coyle, a W. J. Fink, Muscle strength and power changes during maximal isokinetic training. *Med Sci Sports*, 1978. 10(4): p. 266-9.
52. Chapman, D. W., M. J. Newton, M. R. McGuigan, a K. Nosaka, Effect of slow-velocity lengthening contractions on muscle damage induced by fast-velocity lengthening contractions. *J Strength Cond Res*, 2011. 25(1): p. 211-9.

53. Schmidtbleicher, D. a G. Haralambie, Changes in contractile properties of muscle after strength training in man. *Eur J Appl Physiol Occup Physiol*, 1981. 46(3): p. 221-8.
54. Yamauchi, J. a N. Ishii, Relations Between Force-Velocity Characteristics of the Knee-Hip Extension Movement and Vertical Jump Performance. *The Journal of Strength & Conditioning Research*, 2007. 21(3): p. 703-709.
55. Kanehisa, H. a M. Miyashita, Effect of isometric and isokinetic muscle training on static strength and dynamic power. *Eur J Appl Physiol Occup Physiol*, 1983. 50(3): p. 365-71.
56. Jones, D. A. a O. M. Rutherford, Human muscle strength training: the effects of three different regimens and the nature of the resultant changes. *J Physiol*, 1987. 391: p. 1-11.
57. Aagaard, P., E. B. Simonsen, M. Trolle, J. Bangsbo, a K. Klausen, Effects of different strength training regimes on moment and power generation during dynamic knee extensions. *Eur J Appl Physiol Occup Physiol*, 1994. 69(5): p. 382-6.
58. Stowers, T., J. McMillan, D. Scala, V. Davis, D. Wilson, a M. Stone, The Short-Term Effects of Three Different Strength-Power Training Methods. *National Strength & Conditioning Association Journal*, 1983. 5(3): p. 24-27.
59. Marshall, P., M. McEwen, a D. Robbins, Strength and neuromuscular adaptation following one, four, and eight sets of high intensity resistance exercise in trained males. *Eur J Appl Physiol*, 2011. 111(12): p. 3007-3016.
60. Hartmann, J. a H. Tünnemann, *Modernes Krafttraining [Modern strength training]*, 1988, Berlin, G. D. R.: Sportverlag.
61. Drechsler, A. J., *The Weightlifting Encyclopedia: A Guide to World Class Performance*, 1997, A is A Communications, U. S. p. 576.
62. Hass, C. J., L. Garzarella, D. De Hoyos, a M. L. Pollock, Single versus multiple sets in long-term recreational weightlifters *Med. Sci. Sports Exerc.*, 2000. 32(1): p. 235-242.
63. Kawamori, N. a G. G. Haff, The optimal training load for the development of muscular power. *J Strength Cond Res*, 2004. 18(3): p. 675-84.
64. Lawton, T. W., J. B. Cronin, a R. P. Lindsell, Effect of interrepetition rest intervals on weight training repetition power output. *J Strength Cond Res*, 2006. 20(1): p. 172-6.
65. Robergs, R. A., T. Gordon, J. Reynolds, a T. B. Walker, Energy expenditure during bench press and squat exercises. *J Strength Cond Res*, 2007. 21(1): p. 123-30.
66. Gotshalk, L. A., C. C. Loebel, B. C. Nindl, M. Putukian, W. J. Sebastianelli, R. U. Newton, K. Hakkinen, a W. J. Kraemer, Hormonal responses of multiset versus single-set heavy-resistance exercise protocols. *Can J Appl Physiol*, 1997. 22(3): p. 244-55.
67. Mulligan, S. E., S. J. Fleck, S. E. Gordon, L. P. Koziris, N. T. Triplett-McBride, a W. J. Kraemer, Influence of Resistance Exercise Volume on Serum Growth Hormone and Cortisol Concentrations in Women. *The Journal of Strength & Conditioning Research*, 1996. 10(4): p. 256-262.
68. Kraemer, W. J., S. E. Gordon, S. J. Fleck, L. J. Marchitelli, R. Mello, J. E. Dziados, K. Friedl, E. Harman, C. Maresh a A. C. Fry, Endogenous anabolic hormonal and growth factor responses to heavy resistance exercise in males and females. *Int J Sports Med*, 1991. 12(2): p. 228-35.
69. Kraemer, W. J., S. J. Fleck, J. E. Dziados, E. A. Harman, L. J. Marchitelli, S. E. Gordon, R. Mello, P. N. Frykman, L. P. Koziris, a N. T. Triplett, Changes in hormonal concentrations after different heavy-resistance exercise protocols in women. *J Appl Physiol*, 1993. 75(2): p. 594-604.
70. Kraemer, W. J., L. Marchitelli, S. E. Gordon, E. Harman, J. E. Dziados, R. Mello, P. Frykman, D. McCurry, a S. J. Fleck, Hormonal and growth factor responses to heavy resistance exercise protocols. *J Appl Physiol*, 1990. 69(4): p. 1442-50.
71. Begum, G., A. Cunliffe, a M. Leveritt, Physiological role of carnosine in contracting muscle. *Int J Sport Nutr Exerc Metab*, 2005. 15(5): p. 493-514.
72. Kraemer, W. J., B. J. Noble, M. J. Clark, a B. W. Culver, Physiologic responses to heavy-resistance exercise with very short rest periods. *Int J Sports Med*, 1987. 8(4): p. 247-52.
73. Roemmich, J. N. a A. D. Rogol, Exercise and growth hormone: does one affect the other? *J Pediatr*, 1997. 131(1 Pt 2): p. S75-80.
74. Gordon, S. E., W. J. Kraemer, N. H. Vos, J. M. Lynch, a H. G. Knuttgen, Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise. *Journal of Applied Physiology*, 1994. 76(2): p. 821-9.

75. Machado, M., A. J. Koch, J. M. Willardson, L. S. Pereira, M. I. Cardoso, M. K. Motta, R. Pereira, a A. N. Monteiro, Effect of varying rest intervals between sets of assistance exercises on creatine kinase and lactate dehydrogenase responses. *J Strength Cond Res*, 2011. 25(5): p. 1339-45.
76. Machado, M., A. J. Koch, J. M. Willardson, L. S. Pereira, M. I. Cardoso, M. K. S. Motta, R. Pereira, a A. N. Monteiro, Effect of Varying Rest Intervals Between Sets of Assistance Exercises on Creatine Kinase and Lactate Dehydrogenase Responses. *The Journal of Strength & Conditioning Research*, 2011. 25(5): p. 1339-1345 10.1519/JSC.0b013e3181d680d6.
77. Robbins, D. W., W. B. Young, D. G. Behm, a W. R. Payne, The Effect of a Complex Agonist and Antagonist Resistance Training Protocol on Volume Load, Power Output, Electromyographic Responses, and Efficiency. *The Journal of Strength & Conditioning Research*, 2010. 24(7): p. 1782-1789 10.1519/JSC.0b013e3181dc3a53.
78. Scott, C. B., A. Croteau, a T. Ravlo, Energy expenditure before, during, and after the bench press. *J Strength Cond Res*, 2009. 23(2): p. 611-8.
79. Terjung, R., Endocrine response to exercise. *Exerc Sport Sci Rev*, 1979. 7: p. 153-80.
80. Leveritt, M., P. J. Abernethy, B. K. Barry, a P. A. Logan, Concurrent strength and endurance training. A review. *Sports Med*, 1999. 28(6): p. 413-27.
81. Cooke, S. R., S. R. Petersen, a H. A. Quinney, The influence of maximal aerobic power on recovery of skeletal muscle following anaerobic exercise. *Eur J Appl Physiol Occup Physiol*, 1997. 75(6): p. 512-9.
82. Glaister, M., Multiple sprint work : physiological responses, mechanisms of fatigue and the influence of aerobic fitness. *Sports Med*, 2005. 35(9): p. 757-77.
83. Peterson, M. D., M. R. Rhea, a B. A. Alvar, Maximizing strength development in athletes: a meta-analysis to determine the dose-response relationship. *J Strength Cond Res*, 2004. 18(2): p. 377-82.
84. Rhea, M. R., B. A. Alvar, L. N. Burkett, a S. D. Ball, A meta-analysis to determine the dose response for strength development. *Med Sci Sports Exerc*, 2003. 35(3): p. 456-64.
85. Peterson, M. D., M. R. Rhea, a B. A. Alvar, Applications of the dose-response for muscular strength development: a review of meta-analytic efficacy and reliability for designing training prescription. *J Strength Cond Res*, 2005. 19(4): p. 950-8.
86. Bartholomew, J. B., M. A. Stults-Kolehmainen, C. C. Elrod, a J. S. Todd, Strength Gains after Resistance Training: The Effect of Stressful, Negative Life Events. *The Journal of Strength & Conditioning Research*, 2008. 22(4): p. 1215-1221.
87. Vaile, J., S. Halson, N. Gill, a B. Dawson, Effect of hydrotherapy on the signs and symptoms of delayed onset muscle soreness. *Eur J Appl Physiol*, 2008. 102(4): p. 447-55.
88. Pournot, H., F. Bieuzen, R. Duffield, P. M. Lepretre, C. Cozzolino, a C. Hauswirth, Short term effects of various water immersions on recovery from exhaustive intermittent exercise. *Eur J Appl Physiol*, 2011. 111(7): p. 1287-95.
89. Meidan, O., The Use of Growth Factors in the treatment of Sports Injuries, in *Wingate Congress of exercise and sport sciences 2010: Israel*.
90. Eliakim, A., Hormonal Evaluation as an Aid for the Elite Athlete in *Wingate Congress of exercise and sport sciences 2010: Israel*.
91. Kerksick, C. M., R. B. Kreider, a D. S. Willoughby, Intramuscular adaptations to eccentric exercise and antioxidant supplementation. *Amino Acids*, 2009.
92. Hackney, K. J., H. - J. Engels, a R. J. Gretebeck, Resting Energy Expenditure and Delayed-Onset Muscle Soreness After Full-Body Resistance Training With an Eccentric Concentration. *The Journal of Strength & Conditioning Research*, 2008. 22(5): p. 1602-1609.
93. Basmajian, J. V., *Muscles alive, their functions revealed by electromyography*, 1978, Williams and Wilkins: Baltimore. p. 495.
94. Sale, D. G., Neural adaptation to resistance training. *Med Sci Sports Exerc*, 1988. 20(5 Suppl): p. S135-45.
95. Nuzzo, J. L., G. O. McCaulley, P. Cormie, M. J. Cavill, a J. M. McBride, Trunk muscle activity during stability ball and free weight exercises. *J Strength Cond Res*, 2008. 22(1): p. 95-102.
96. Wahl, M. J. a D. G. Behm, Not all instability training devices enhance muscle activation in highly resistance-trained individuals. *J Strength Cond Res*, 2008. 22(4): p. 1360-70.
97. Hamlyn, N., D. G. Behm, a W. B. Young, Trunk muscle activation during dynamic weight-training exercises and isometric instability activities. *J Strength Cond Res*, 2007. 21(4): p. 1108-12.

98. Rasch, P. J. a L. E. Morehouse, Effect of static and dynamic exercises on muscular strength and hypertrophy. *J Appl Physiol*, 1957. 11(1): p. 29-34.
99. Balogun, J. A., C. T. Akomolafe, a L. O. Amusa, Grip strength: effects of testing posture and elbow position. *Arch Phys Med Rehabil*, 1991. 72(5): p. 280-3.
100. Tesch, P., *Target Bodybuilding 1998*, Human Kinetics
101. Wolf, E., A. Blank, M. Shochina, a B. Gonen, Effect of exercise of the lower limbs on the non-exercised biceps brachii muscle. *Am J Phys Med*, 1984. 63(3): p. 113-21.
102. Phelan, J. N. a W. J. Gonyea, Effect of radiation on satellite cell activity and protein expression in overloaded mammalian skeletal muscle. *Anat Rec*, 1997. 247(2): p. 179-88.
103. Baratta, R., M. Solomonow, B. H. Zhou, D. Letson, R. Chuinard, a R. D'Ambrosia, Muscular coactivation. The role of the antagonist musculature in maintaining knee stability. *Am J Sports Med*, 1988. 16(2): p. 113-22.
104. Draganich, L. F., R. J. Jaeger, a A. R. Kralj, Coactivation of the hamstrings and quadriceps during extension of the knee. *J Bone Joint Surg Am*, 1989. 71(7): p. 1075-81.
105. Smith, L. K., E. L. Weiss, a L. D. Lehmkuhl, *Brunnstrom's clinical kinesiology*, 1996, F.A. Davis: Philadelphia.
106. Anderson, M. K., S. J. Hall, a M. Martin, *Sports Injury Management*, 2000, Lippincott Williams & Wilkins.
107. Harman, E., *Resistive Torque Analysis of 5 Nautilus Exercise Machines*. *Medicine & Science in Sports & Exercise*, 1983. 15(2): p. 113.
108. Pizzimenti, M. A., *Mechanical analysis of the Nautilus leg curl machine*. *Can J Sport Sci*, 1992. 17(1): p. 41-8.
109. Stoppani, J., *Velká kniha posilování*, 2008, Grada: Praha. p. 440.
110. Richford, C., *Principles of successful body building*, 1966, Alliance, NE: Iron Man Industries.
111. Hansen, S., T. Kvorning, M. Kjaer, a G. Sjogaard, The effect of short-term strength training on human skeletal muscle: the importance of physiologically elevated hormone levels. *Scandinavian journal of medicine & science in sports*, 2001. 11(6): p. 347-54.
112. Linder, E. E., J. H. Prins, N. M. Murata, C. Derenne, C. F. Morgan, a J. R. Solomon, Effects of Preload 4 Repetition Maximum on 100-m Sprint Times in Collegiate Women. *The Journal of Strength & Conditioning Research*, 2010. 24(5): p. 1184-1190.
113. Rooney, K. J., R. D. Herbert, a R. J. Balnave, Fatigue contributes to the strength training stimulus. *Med Sci Sports Exerc*, 1994. 26(9): p. 1160-4.
114. Fleischmann, J. a R. Linc, *Anatomie člověka I, II*, 1964, SPN: Praha.
115. Bartoníček, J., M. Doskočil, J. Heřt, a A. Sosna, *Chirurgická anatomie velkých končetinových kloubů*, 1991, Avicenum: Praha.
116. Strobel, M. a H. W. Stedtfeld, *Diagnostic Evaluation of the Knee*, 1990, Springer-Verlag: New York.
117. Véle, F., *Kineziologie – Přehled klinické kineziologie a patokineziologie pro diagnostiku a terapii poruch pohybové soustavy*, 2006, Triton: Praha. p. 375.
118. Janda, V., *Vyšetřování hybnosti*, 1981, Avicenum: Praha.
119. Csintalan, R. P., M. M. Schulz, J. Woo, P. J. McMahon, a T. Q. Lee, Gender differences in patellofemoral joint biomechanics. *Clin Orthop Relat Res*, 2002(402): p. 260-9.
120. McConnell, J., *The management of chondromalacia patellae: A long term solution*. *The Australian Journal of Physiotherapy*, 1986. 32(4): p. 215-223.
121. McLaughlin, T. M., T. J. Lardner, a C. J. Dillman, Kinetics of the parallel squat. *Res Q*, 1978. 49(2): p. 175-89.
122. Granhed, H. a B. Morelli, Low back pain among retired wrestlers and heavyweight lifters. *Am J Sports Med*, 1988. 16(5): p. 530-3.
123. Garhammer, J., *Weight lifting and Weight Training*, in *Biomechanics of Sport*, C.L. Vaughan, Editor 1989, CRC Publishers, Inc.: Boca Raton, FL. p. 169-211.
124. Tagesson, S., B. Oberg, L. Good, a J. Kvist, A comprehensive rehabilitation program with quadriceps strengthening in closed versus open kinetic chain exercise in patients with anterior cruciate ligament deficiency: a randomized clinical trial evaluating dynamic tibial translation and muscle function. *Am J Sports Med*, 2008. 36(2): p. 298-307.
125. Komi, P. V., *Strength and power in sport*, in *The Encyclopaedia of Sports Medicine*, P. V. Komi, Editor 2003, Blackwell Science.

126. Lewit, K., Rehabilitace u bolestivých poruch pohybové soustavy, část II. Rehabilitace a fyzikální lékařství, 2001. 4: p. 139-151.
127. Dylevský, I., Obecná kineziologie, 2007, Grada Publishing: Praha. p. 192.
128. Kummer, F. J., S. Shah, S. Iyer, a P. E. DiCesare, The effect of acetabular cup orientations on limiting hip rotation. The Journal of Arthroplasty, 1999. 14(4): p. 509-13.
129. Plozman, S. A. a D. L. Smith, Exercise Physiology for Health, Fitness, and Performance, 2007, Daryl Fox.
130. Kobayashi, Y., J. Kubo, A. Matsuo, T. Matsubayashi, K. Kobayashi, a N. Ishii, Bilateral Asymmetry in Joint Torque During Squat Exercise Performed by Long Jumpers. The Journal of Strength & Conditioning Research, 2010. 24(10): p. 2826-2830.
131. Vandervoort, A. A., D. G. Sale, a J. Moroz, Comparison of motor unit activation during unilateral and bilateral leg extension. J Appl Physiol, 1984. 56(1): p. 46-51.
132. Komi, P. V., I. M. C. Staff, a I. F. o. S. M. Staff, Strength and Power in Sport. The Encyclopaedia of Sports Medicine, ed. A. V. Komi 1992: Blackwell Publishing Limited 404.0-632-05911-7
133. Riemann, B. L., G. K. Limbaugh, J. D. Eitner, a R. G. LeFavi, Medial and Lateral Gastrocnemius Activation Differences During Heel-Raise Exercise with Three Different Foot Positions. The Journal of Strength & Conditioning Research, 2011. 25(3): p. 634-639.
134. Janda, V. a a. kol, Svalové funkční testy, 2004, Grada Publishing. p. 328.
135. Tlapák, P., Tvarování těla pro muže a ženy, 2007, Arsci: Praha. p. 264.
136. Véle, F., Kineziologie posturálního systému 1995, Praha: Univerzita Karlova. 85.80-7184-100-5
137. Véle, F., Kineziologie. Vol. 2. 2006, Praha: Triton. 375.80-7254-837-9
138. Kolář, P., Význam posturální aktivity pro včasný záchyt pacientů s dětskou mozkovou obrnou. Pediatrie pro praxi, 2001. 2(4): p. 190-194.
139. Vojta, V. a A. Peters, Das Vojta Prinzip, 1992, Springer Verlag: Berlin/Heidelberg.
140. Kolář, P., Diferenciace svalové funkce z hlediska posturální podstaty. Medicina Sportiva Bohe-mica a Slovaca, 1996. 5(1): p. 4-8.
141. Lovering, R. M. a D. W. Russ, Fiber type composition of cadaveric human rotator cuff muscles. The Journal of orthopaedic and sports physical therapy, 2008. 38(11): p. 674-80.
142. Cashdan, E., Waist-to-Hip Ratio across Cultures: Trade-Offs between Androgen- and Estrogen-Dependent Traits. Current Anthropology, 2008. 49(6): p. 1099-1107.
143. Vispute, S. S., J. D. Smith, J. D. LeCheminant, a K. S. Hurley, The Effect of Abdominal Exercise on Abdominal Fat. The Journal of Strength & Conditioning Research, 2011. 25(9): p. 2559-2564.
144. Richardson, C., G. Jull, P. W. Hodges, a J. A. Hides, Therapeutic Exercise for Spinal Segmental Stabilization in Low Back Pain: Scientific Basis and Clinical Approach, 1999, Churchill Livingstone: Sydney.
145. Dylevský, I., Speciální kineziologie, 2009, Grada Publishing. p. 184.

