

11 REFERENČNÍ SEZNAM

- Albanese, C. V., De Terlizzi, F., & Passariello, R. (2011). Quantitative ultrasound of the phalanges and DXA of the lumbar spine and proximal femur in evaluating the risk of osteoporotic vertebral fracture in postmenopausal women. *La Radiologia medica*, 116(1), 92-101.
- Albright, C., & Thompson, D. (2006). The effectiveness of walking in preventing cardiovascular disease in women: a review of the current literature. *Journal of Women's Health*, 15(3), 271-280.
- Alexandre Tda, S., Cordeiro, R. C., & Ramos, L. R. (2009). Factors associated to quality of life in active elderly. *Revista de saude publica*, 43(4), 613-621.
- Aloia, J. F., Vaswani, A., Ma, R., & Flaster, E. (1995a). To what extent is bone mass determined by fat-free or fat mass? *The American Journal of Clinical Nutrition*, 61(5), 1110-1114.
- Aloia, J. F., Vaswani, A., Ma, R., & Flaster, E. (1995b). To what extent is bone mass determined by fat-free or fat mass? *American Journal of Clinical Nutrition*, 61(5), 1110-1114.
- Ambrose, C. G., Kiebzak, G. M., Sabonghy, E. P., Tabor, O. B., Peindl, R. D., Clanton, T. O., et al. (2002). Biomechanical testing of cadaveric specimens: importance of bone mineral density assessment. *Foot & Ankle International*, 23(9), 850-855.
- Aviloli, L. V. (2001). *Osteoporóza - příručka pro lékaře v klinické praxi (2nd ed.)*. Praha: Mezinárodní medicínské nakladatelství.
- Bakker, I., Twisk, J. W., Van Mechelen, W., & Kemper, H. C. (2003). Fat-free body mass is the most important body composition determinant of 10-yr longitudinal development of lumbar bone in adult men and women. *Journal of Clinical Endocrinology & Metabolism*, 88(6), 2607-2613.
- Bambas, M. (2001). Postmenopauza a HRT. *Medicína*, 10(3), 12-15.
- Baptista, F., Barrigas, C., Vieira, F., Santa-Clara, H., Homens, P. M., Fragoso, I., et al. (2012). The role of lean body mass and physical activity in bone health in children. *Journal of Bone and Mineral Metabolism*, 30(1), 100-108.
- Bartl, R., & Frisch, B. (2009). *Osteoporosis. Diagnosis, Prevention, Therapy* (2nd ed.). Berlin: Springer.
- Bartoníček, J., & Heřt, J. (2004). *Základy klinické anatomie pohybového aparátu*. Praha: Maxdorf.
- Bass, S. L. (2000). The prepubertal years: a uniquely opportune stage of growth when the skeleton is most responsive to exercise? *Sports Medicine*, 30(2), 73-78.
- Berger, C., Goltzman, D., Langsetmo, L., Joseph, L., Jackson, S., Kreiger, N., et al. (2010). Peak bone mass from longitudinal data: implications for the prevalence, pathophysiology, and diagnosis of osteoporosis. *Journal of Bone and Mineral Research*, 25(9), 1948-1957.
- Blahoš, J. (2003). Kalcitonin. *Praktická gynekologie*, 2, 24-26.
- Blain, H., Carriere, I., Favier, F., Jeandel, C., & Papoz, L. (2004). Body weight change since menopause and percentage body fat mass are predictors of subsequent bone mineral density change of the proximal femur in women aged 75 years and older: results of a 5 year prospective study. *Calcified Tissue International*, 75(1), 32-39.
- Bland, J. M., & Altman, D. G. (1986). Statistical methods for assessing agreement between two methods of clinical measurement. *Lancet*, 1(8476), 307-310.
- Bland, M. J., & Altman, G. D. (2010). Statistical methods for assessing agreement between two methods of clinical measurement. *International Journal of Nursing Studies*, 47(8), 931-936.
- Boot, A. M., de Ridder, M. A., van der Sluis, I. M., van Slobbe, I., Krenning, E. P., & Keizer-Schrama, S. M. (2010). Peak bone mineral density, lean body mass and fractures. *Bone*, 46(2), 336-341.

- Bouchard, D. R., Choquette, S., Dionne, I. J., & Brochu, M. (2011). Is fat mass distribution related to impaired mobility in older men and women? Nutrition as a determinant of successful aging: the Quebec longitudinal study. *Experimental Aging Research, 37*(3), 346-357.
- Boyanov, M. A., Popivanov, P. R., & Roux, C. (2001). Separate assessment of forearm cortical and trabecular bone density from standard densitometry data. *Annals of Medicine, 33*(7), 497-506.
- Boyer, K. A., Kiratli, B. J., Andriacchi, T. P., & Beaupre, G. S. (2011). Maintaining femoral bone density in adults: how many steps per day are enough? *Osteoporosis International, 22*(12), 2981-2988.
- Bray, G., & Gray, D. (1988). Obesity. Part I - Pathogenesis. *Western Journal of Medicine, 149*(4), 429-441.
- Broulík, P. (1999). *Osteoporóza. Osteoporóza, osteomalacie, osteodystrofie*. Praha: Maxdorf.
- Broulík, P. (2009). *Osteoporóza a její léčba* (2nd ed.). Praha: Maxdorf.
- Burge, R., Dawson-Hughes, B., Solomon, D. H., Wong, J. B., King, A., & Tosteson, A. (2007). Incidence and economic burden of osteoporosis-related fractures in the United States, 2005-2025. *Journal of Bone Mineral Research, 22*(3), 465-475.
- Cardadeiro, G., Baptista, F., Zymbal, V., Rodrigues, L. A., & Sardinha, L. B. (2010). Ward's area location, physical activity, and body composition in 8- and 9-year-old boys and girls. *Journal of Bone and Mineral Research, 25*(11), 2304-2312.
- Cashman, K. D. (2002). Calcium intake, calcium bioavailability and bone health. *British Journal of Nutrition, 87*(2), 169-177.
- Cauley, J. A., Fullman, R. L., Stone, K. L., Zmuda, J. M., Bauer, D. C., Barrett-Connor, E., et al. (2005). Factors associated with the lumbar spine and proximal femur bone mineral density in older men. *Osteoporosis International, 16*(12), 1525-1537.
- Center, J. R., Nguyen, T. V., Schneider, D., Sambrook, P. N., & Eisman, J. A. (1999). Mortality after all major types of osteoporotic fracture in men and women: an observational study. *Lancet, 353*(9156), 878-882.
- Clarke, B. L., & Khosla, S. (2009). Androgens and bone. *Steroids, 74*(3), 296-305.
- Cohen, J. (1988). *Statistical power analysis for the behavioral sciences*. Hillsdale, NJ: Erlbaum Associates.
- Coupland, C. A., Cliffe, S. J., Basse, E. J., Grainge, M. J., Hosking, D. J., & Chilvers, C. E. (1999). Habitual physical activity and bone mineral density in postmenopausal women in England. *International Journal of Epidemiology, 28*(2), 241-246.
- Cui, L. H., Shin, M. H., Kweon, S. S., Park, K. S., Lee, Y. H., Chung, E. K., et al. (2007). Relative contribution of body composition to bone mineral density at different sites in men and women of South Korea. *Journal of Bone and Mineral Metabolism, 25*(3), 165-171.
- Currey, J. D. (2002). *Bones: Structure and Mechanics*. New Jersey: Princeton University Press.
- Čepová, J., & Pechová, M. (2008). Osteoporóza a biochemické laboratorní markery. *FONS, 13*(8), 28-31.
- České národní fórum proti osteoporóze. (2008). Výroční zpráva Českého národního fóra proti osteoporóze (ČNFO) za rok 2008 Retrieved from http://www.klimakterickamedicina.cz/osteoporozedoc/vyrocnizprava_2008.pdf
- Čihák, R. (2001). *Anatomie 1* (2nd ed.). Praha: Grada.
- Dincel, V. E., Sengelen, M., Sepici, V., Cavusoglu, T., & Sepici, B. (2008). The association of proximal femur geometry with hip fracture risk. *Clinical anatomy, 21*(6), 575-580.
- Ding, J., Kritchevsky, S. B., Newman, A. B., Taaffe, D. R., Nicklas, B. J., Visser, M., et al. (2007). Effects of birth cohort and age on body composition in a sample of community-based elderly. *American Journal of Clinical Nutrition, 85*(2), 405-410.
- Dítě, P., Fischerová, B., Groch, L., Hlinomaz, O., Hofírek, I., Hude, P., et al. (2007). *Vnitřní lékařství* (2nd ed.). Brno: Galén.
- Douchi, T., Kosha, S., Uto, H., Oki, T., Nakae, M., Yoshimitsu, N., et al. (2003). Precedence of bone loss over changes in body composition and body fat distribution

- within a few years after menopause. *Maturitas*, 46(2), 133-138.
- Douchi, T., Kuwahata, R., Matsuo, T., Uto, H., Oki, T., & Nagata, Y. (2003). Relative contribution of lean and fat mass component to bone mineral density in males. *Journal of Bone and Mineral Metabolism*, 21(1), 17-21.
- Douchi, T., Oki, T., Nakamura, S., Ijuin, H., Yamamoto, S., & Nagata, Y. (1997). The effect of body composition on bone density in pre- and postmenopausal women. *Maturitas*, 27(1), 55-60.
- Douchi, T., Yamamoto, S., Kuwahata, R., Oki, T., Yamasaki, H., & Nagata, Y. (2000). Effect of non-weight-bearing body fat on bone mineral density before and after menopause. *Obstetrics & Gynecology*, 96(1), 13-17.
- Dreux, C. (2004). Osteoporosis, a world problem in public health. Role of health professionals. *Bulletin et memoires de l'Academie royale de medecine de Belgique*, 159(7-9), 415-423;
- Dungl, P., Chomiak, J., Matějovský, Z., Adamec, O., Kolman, J., Zvěřina, E., et al. (2005). *Ortopedie*. Praha: Grada Publishing.
- Dutka, J., & Morawiecki, P. (1997). Fractures in osteoporosis as a social, economic and therapeutic problem. *Przegląd Lekarski*, 54(3), 194-200.
- Dytfeld, J., Ignaszak-Szczepaniak, M., Gowin, E., Michalak, M., & Horst-Sikorska, W. (2011). Influence of lean and fat mass on bone mineral density (BMD) in postmenopausal women with osteoporosis. *Archives of Gerontology and Geriatrics*, 53(2), 237-242.
- El Maghraoui, A., & Roux, C. (2008). DXA scanning in clinical practice. *Association of Physicians*, 101(8), 605-617.
- Esliger, W. D., Copeland, L. J., Barnes, D. J., & Tremblay, S. M. (2005). Standardizing and Optimizing the Use of Accelerometer Data for Free-Living Physical Activity Monitoring. *Journal of Physical Activity and Health*, 2(3), 366-383.
- Everts, V., Delaisse, J. M., Korper, W., Jansen, D. C., Tigchelaar-Gutter, W., Saftig, P., et al. (2002). The bone lining cell: its role in cleaning Howship's lacunae and initiating bone formation. *Journal of Bone and Mineral Research*, 17(1), 77-90.
- Fantin, F., Di Francesco, V., Fontana, G., Zivelonghi, A., Bissoli, L., Zoico, E., et al. (2007). Longitudinal body composition changes in old men and women: interrelationships with worsening disability. *The Journals of Gerontology*, 62(12), 1375-1381.
- Faria, S. L., Faria, O. P., Cardeal, M. D., & Ito, M. K. (2014). Validation study of multi-frequency bioelectrical impedance with dual-energy X-ray absorptiometry among obese patients. *Obesity Surgery*, 24(9), 1476-1480.
- Fassbender, W. J., Godde, M., Brandenburg, V. M., Usadel, K. H., & Stumpf, U. C. (2009). Urinary bone resorption markers (deoxypyridinoline and C-terminal telopeptide of type I collagen) in healthy persons, postmenopausal osteoporosis and patients with type I diabetes. *Advances in Medical Sciences*, 54(1), 1-6.
- Felson, D. T., Zhang, Y., Hannan, M. T., & Anderson, J. J. (1993). Effects of weight and body mass index on bone mineral density in men and women: the Framingham study. *Journal of Bone and Mineral Research*, 8(5), 567-573.
- Feskanich, D., Willett, W., & Colditz, G. (2002). Walking and leisure-time activity and risk of hip fracture in postmenopausal women. *Journal of the American Medical Association*, 288(18), 2300-2306.
- Fields, D. A., Goran, M. I., & McCrory, M. A. (2002). Body-composition assessment via air-displacement plethysmography in adults and children: a review. *The American Journal of Clinical Nutrition*, 75(3), 453-467.
- Flakoll, P. J., Kent, P., Neyra, R., Levenhagen, D., Chen, K. Y., & Ikizler, T. A. (2004). Bioelectrical impedance vs air displacement plethysmography and dual-energy X-ray absorptiometry to determine body composition in patients with end-stage renal disease. *Journal of Parenteral and Enteral Nutrition*, 28(1), 13-21.
- Folsom, A. R., Kushi, L. H., & Hong, C. P. (2000). Physical activity and incident diabetes mellitus in postmenopausal

