

Vitamin D Supplementation in der Praxis

Supplémentation en vitamine D dans la pratique

Literatur/Références

1. Bischoff-Ferrari H. Fragility fractures: the future epidemic and its challenges. *Skeletal radiology*. Feb 2013;42(2):161–163.
2. Schweiz BfS. http://www.bfs.admin.ch/bfs/portal/de/index/themen/01/03/blank/key/ind_ erw.html. access: 25.5.2012. 2012.
3. Bischoff-Ferrari HA, Willett WC, Orav EJ, Kiel DP, Dawson-Hughes B. Re: Fall prevention with Vitamin D. Clarifications needed. <http://www.bmjjournals.org/content/339/bmj.b3692?tab=responses> (access: Feb13.2012). 2011.
4. Bischoff-Ferrari HA, Dawson-Hughes B, Staehelin HB, et al. Fall prevention with supplemental and active forms of vitamin D: a meta-analysis of randomised controlled trials. *BMJ*. 2009;339(1):339:b3692.
5. Bischoff-Ferrari HA, Willett WC, Orav EJ, et al. A pooled analysis of vitamin D dose requirements for fracture prevention. *N Engl J Med*. Jul 5 2012;367(1):40–49.
6. Bischoff-Ferrari HA, Can U, Staehelin HB, et al. Severe vitamin D deficiency in Swiss hip fracture patients. *Bone*. Mar 2008;42(3):597–602.
7. HA RwbagoeobotFCfNFESB-F. Vitamin D deficiency: Evidence, safety, and recommendations for the Swiss population. http://www.bag.admin.ch/themen/ernaehrung_bewegung/05207/13246/index.html?lang=en (access 7–2012). 2012.
8. Maier S, Sidelnikov E, Dawson-Hughes B, et al. Before and after hip fracture, vitamin D deficiency may not be treated sufficiently. *Osteoporos Int*. Nov 2013;24(11):2765–2773.
9. Holick MF. Environmental factors that influence the cutaneous production of vitamin D. *Am J Clin Nutr*. Mar 1995;61(3 Suppl):638S-645S.
10. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin d deficiency: an endocrine society clinical practice guideline. *J Clin Endocrinol Metab*. Jul 2011;96(7):1911–1930.
11. MacLaughlin J, Holick MF. Aging decreases the capacity of human skin to produce vitamin D3. *J Clin Invest*. Oct 1985;76(4):1536–1538.
12. Matsuoka LY, Ide L, Wortsman J, MacLaughlin JA, Holick MF. Sunscreens suppress cutaneous vitamin D3 synthesis. *J Clin Endocrinol Metab*. Jun 1987;64(6):1165–1168.

13. van der Wielen RP, Lowik MR, van den Berg H, et al. Serum vitamin D concentrations among elderly people in Europe. *Lancet*. Jul 22 1995;346(8969):207–210.
14. Bischoff-Ferrari HA. Relevance of vitamin D in muscle health. *Rev Endocr Metab Disord*. Mar 2012;13(1):71–77.
15. Bischoff-Ferrari HA, Orav EJ, Willett WC, et al. A pooled analysis of vitamin D dose requirements for fracture prevention. *New England Journal of Medicine*; July 5th 2012. 2012.
16. Bischoff-Ferrari HA, Dawson-Hughes B, Staehelin HB, et al. Fall prevention with supplemental and active forms of vitamin D: a meta-analysis of randomised controlled trials. *BMJ*. 2009;339:b3692.
17. Hintz Peter B, Scheidt-Nave C, Muller MJ, Schenk L, Mensink GB. Higher prevalence of vitamin D deficiency is associated with immigrant background among children and adolescents in Germany. *J Nutr*. Aug 2008;138(8):1482–1490.
18. van Schoor NM, Lips P. Worldwide vitamin D status. *Best Pract Res Clin Endocrinol Metab*. Aug 2011;25(4):671–680.
19. Bischoff-Ferrari HA, Dawson-Hughes B, Platz A, et al. Effect of high-dosage cholecalciferol and extended physiotherapy on complications after hip fracture: a randomized controlled trial. *Arch Intern Med*. May 10 2010;170(9):813–820.
20. Bischoff Ferrari HA. Vitamin D and Osteoporosis. *Textbook "Vitamin D"*. Editors: David Feldman and John Adams. 2010 [Chapter].
21. Glerup H, Mikkelsen K, Poulsen L, et al. Hypovitaminosis D myopathy without biochemical signs of osteomalacic bone involvement. *Calcif Tissue Int*. 2000;66(6):419–424.
22. Bischoff-Ferrari HA, Borchers M, Gudat F, Durmuller U, Stahelin HB, Dick W. Vitamin D receptor expression in human muscle tissue decreases with age. *J Bone Miner Res*. 2004;19(2):265–269.
23. Ceglia L, Niramitmahapanya S, da Silva Morais M, et al. A randomized study on the effect of vitamin D3 supplementation on skeletal muscle morphology and vitamin D receptor concentration in older women. *J Clin Endocrinol Metab*. Dec 2013;98(12):E1927–1935.
24. Boland R. Role of vitamin D in skeletal muscle function. *Endocrine Reviews*. 1986;7:434–447.
25. Pfeifer M, Begerow B, Minne HW, Abrams C, Nachtingall D, Hansen C. Effects of a short-term vitamin D and calcium supplementation on body sway and secondary hyperparathyroidism in elderly women. *J Bone Miner Res*. Jun 2000;15(6):1113–1118.
26. Bischoff HA, Stahelin HB, Dick W, et al. Effects of vitamin D and calcium supplementation on falls: a randomized controlled trial. *J Bone Miner Res*. Feb 2003;18(2):343–351.
27. Pfeifer M, Begerow B, Minne HW, Suppan K, Fahrleitner-Pammer A, Dobnig H. Effects of a long-term vitamin D and calcium supplementation on falls and parameters of muscle function in community-dwelling older individuals. *Osteoporos Int*. 2008;16:16.
28. Smith H, Anderson F, Raphael H, Maslin P, Crozier S, Cooper C. Effect of annual intramuscular vitamin D on fracture risk in elderly men and women--a population-based, randomized, double-blind, placebo-controlled trial. *Rheumatology (Oxford)*. Dec 2007;46(12):1852–1857.
29. Chel V, Wijnhoven HA, Smit JH, Ooms M, Lips P. Efficacy of different doses and time intervals of oral vitamin D supplementation with or without calcium in elderly nursing home residents. *Osteoporos Int*. May 2008;19(5):663–671.

30. Trivedi DP, Doll R, Khaw KT. Effect of four monthly oral vitamin D3 (cholecalciferol) supplementation on fractures and mortality in men and women living in the community: randomised double blind controlled trial. *BMJ*. Mar 1 2003;326(7387):469.
31. Sanders KM, Stuart AL, Williamson EJ, et al. Annual high-dose oral vitamin D and falls and fractures in older women: a randomized controlled trial. *JAMA*. May 12 2010;303(18):1815–1822.
32. Beckman MJ, Johnson JA, Goff JP, Reinhardt TA, Beitz DC, Horst RL. The role of dietary calcium in the physiology of vitamin D toxicity: excess dietary vitamin D3 blunts parathyroid hormone induction of kidney 1-hydroxylase. *Arch Biochem Biophys*. Jun 1 1995;319(2):535–539.
33. Rossini M, Adami S, Viapiana O, et al. Dose-dependent short-term effects of single high doses of oral vitamin D(3) on bone turnover markers. *Calcif Tissue Int*. Dec 2012;91(6):365–369.
34. Bischoff-Ferrari HA, Dawson-Hughes B, Baron JA, et al. Calcium intake and hip fracture risk in men and women: a meta-analysis of prospective cohort studies and randomized controlled trials. *Am J Clin Nutr*. Dec 2007;86(6):1780–1790.
35. Heaney RP, Dowell MS, Hale CA, Bendich A. Calcium absorption varies within the reference range for serum 25-hydroxyvitamin D. *J Am Coll Nutr*. 2003;22(2):142–146.
36. Bolland MJ, Avenell A, Baron JA, et al. Effect of calcium supplements on risk of myocardial infarction and cardiovascular events: meta-analysis. *BMJ*. 2010;341:c3691.
37. Bischoff-Ferrari HA, Kiel DP, Dawson-Hughes B, et al. Dietary Calcium and Serum 25-hydroxyvitamin D Status in Relation to Bone Mineral Density Among U.S. Adults. *J Bone Miner Res*. Dec 29 2008;29:29.
38. Bischoff-Ferrari HA, Shao A, Dawson-Hughes B, Hathcock J, Giovannucci E, Willett WC. Benefit-risk assessment of vitamin D supplementation. *Osteoporos Int*. Dec 3 2009;3:3.
39. Dawson-Hughes B, Mithal A, Bonjour JP, et al. IOF position statement: vitamin D recommendations for older adults. *Osteoporos Int*. Apr 27 2010;21(7):1151–1154.
40. Bolland MJ, Grey A, Gamble GD, Reid IR. The effect of vitamin D on skeletal, vascular, or cancer outcomes: a trial sequential meta-analysis. *Lancet*. 2014;online(January 24th, 2014).