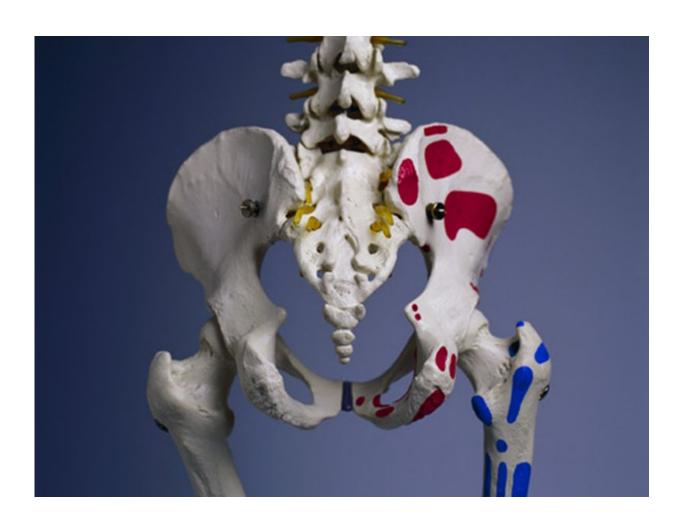


Vitamin B_6 linked to increased risk of hip fracture

June 12 2017



(HealthDay)—Vitamin B₆, but not vitamin B₁₂, is associated with



increased risk of hip fracture during extended follow-up, according to a study published online June 2 in the *Journal of Bone and Mineral Research*.

Maria Garcia Lopez, M.D., from the University Hospital in Oslo, Norway, and colleagues conducted a secondary analysis of combined data from two large <u>randomized controlled trials</u> to examine the effect of an intervention with B-vitamins on the risk of <u>hip fracture</u>. The intervention consisted of a daily capsule of <u>folic acid</u> plus vitamin B_{12} and vitamin B_6 , folic acid plus vitamin B_{12} , folic acid plus vitamin B_6 , or placebo.

The researchers found that during the trial and extended follow-up there was no significant association between folic acid plus vitamin B_{12} treatment and the risk of hip fracture (hazard ratios, 0.87 [95 percent confidence interval, 0.48 to 1.59] and 1.08 [95 percent confidence interval, 0.84 to 1.40], respectively). There was also no significant between-group difference in the risk of hip fracture for those receiving versus not receiving vitamin B_6 during the trial (hazard ratio, 1.42; 95 percent confidence interval, 0.78 to 2.61); however, the risk of hip fracture was higher for those receiving vitamin B_6 during extended follow-up (hazard ratio, 1.42; 95 percent confidence interval, 1.09 to 1.83).

"These secondary analyses and extended follow-up of two large randomized controlled trials performed in Norway showed that treatment with folic acid plus vitamin B_{12} was not associated with the risk of hip fracture" the authors write. "However, treatment with high doses of vitamin B_6 was associated with a slightly increased risk of experiencing a hip fracture during the extended follow-up (3.3 years intrial plus 7.8 years post-trial follow-up)."

More information: Abstract



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Citation: Vitamin B₆ linked to increased risk of hip fracture (2017, June 12) retrieved 25 April 2024 from https://medicalxpress.com/news/2017-06-vitamin-bsub6sub-linked-hip-fracture.html

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