

Reviewer's report

Title: Low-frequency vibratory exercise reduces the risk of bone fracture more than walking: a randomized controlled trial [ISRCTN76235671]

Version: 6 **Date:** 14 September 2006

Reviewer: Olivier Bruyere

Reviewer's report:

General

This study is interesting and in the scope of the Journal. It re emphasized the potential role of whole body vibrations in the prevention of bone fracture.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

1. The analysis only includes patients who completed the study. I presume that when patients drop out of the study before the end of the trial, a final examination is performed. Then, it could be possible to perform an intention-to-treat analysis.
2. Osteocalcin and deoxypyridinoline were assessed at baseline. If data was also available at the end of the study, the authors should look at the effect of WBV on the biochemical markers level changes.
3. What is the rationale for the use of the 12.6Hz frequency?
4. Discussion: what means the threshold of 0.05 g/cm²?
5. It could be interesting to compare the number of patients with an increase in BMD over this threshold in both groups.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

'I declare that I have no competing interests'