Reviewer's report

Title: Effect of standing posture during whole body vibration training on muscle morphology and function in older adults: a randomised controlled trial

Version: 2 Date: 11 August 2010

Reviewer: Tom J Hazell

Reviewer's report:

General Comments

The author’s revisions have improved this paper and it now reads well and clearly introduces the study, explains what was done, and discusses the results appropriately. The author’s should be commended on their work to improve the manuscript. With that said I do have a few small issues that require the author’s attention detailed below.

Minor Essential Revisions

Abstract

- Can remove the sentence “We report interim 3 month measures” from the methods section
- There is a comma needed after 3.7cm2 in the results

Background

Paragraph 7 – continual references to bone should be removed since the current study is focused on physical activity and muscle morphology (ln 2, 3, 4, 6, 8, 12-13)

Methods

Pg 9 – last line there are two periods
Pg 10 paragraph 2 – this section could be moved up and be incorporated into the WBV intervention section

Results

Pg 15 paragraph 1 – can remove the words “this interim” from the second last line of the recruitment paragraph so the line reads “One participant had not completed three months of exposure by the time of analysis (FK=1) and was not included in this report.”
Pg 17 paragraph 1 - the last line talking about no changes in peak power refers to Table 3, should this not be referring to table 4 that demonstrates the interventions had no effect on peak muscle power?

Discussion
Pg 19 paragraph 2 – the first sentence should say “after 3 months” instead of “at 3 months”

Table 1 – the WBV and unlocked knees sentences can be removed as they are not in the table

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.