Reviewer's report

Title: Feasibility and effects of applying stochastic resonance whole-body vibration on untrained elderly: A randomized crossover pilot study

Version: 2
Date: 29 November 2014
Reviewer: jieun yoon

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Major Compulsory Revisions

In the methods section, I found a few parts that required further explanations. First, I could not see a difference between 1Hz and 4Hz of Sham intervention. The reason behind this decision should have been explained. Second, “type I or II” on page 14, line 11 mean? And finally, the participants should have been clarified (e.g. 00men, 00women, average ages of each sexes).

The figures did not have any problems and the manuscript seems to have well adhered to the required standards. The limitation of the research and the reason why there was no overall significance was accurately stated and suggested a promising future research. The phrase “SR-WBV training is feasible and shows trends to stronger improvement in the overall time to complete a series of functionally important tasks as assessed with the ETGUG”, on page 15, line2-4, however, seems to suggest that there was significance greater than the medium effect sizes. A softer expression and a numerically expressing the “medium effect size” would be recommendable.

Discretionary Revisions

The questions were well defined and the methods easy to understand. Introducing more researches on the stochastic resonance whole-body vibration (SR-WBV) in the background section, however, would have been preferable. I believe there is an operational difference between the SR-WBV and common WBVs. It would be easier to understand if the effects of the two types of WBVs were compared and the differences were clarified. Also, additional explanation of the Zeptor med® device in the methods would be helpful.

Overall, it was an acceptable and interesting research. As I have mentioned above, however, a more sound protocol seems necessary in future researches. I hope there would more sound protocols and results in the future.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published
**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