Reviewer's report

Title: Do strong women have strong bones? A cross-sectional study.

Version: 2 Date: 5 January 2015

Reviewer: Takefumi Furuya

Reviewer's report:

The authors evaluated association muscle strength and bone mineral density (BMD). From this study, muscle strength was positively associated with BMD at the hip in women. I have a few comments. This work is trying to address the important issues in the clinical settings of osteoporosis. I have a few comments and concerns to be addressed by the authors:

Major points

1) This title has a strong impact. But, I think it is inappropriate for the title of the article. I would recommend changing it to the title appropriate for the original papers.

2) Authors did not mention ethnicity of the subjects in the results. I would recommend stating ratio of Caucasian and other ethnics. Are there any ethnic difference between Caucasians and others? If you do not have data concerning the ethnicity, please write the reasons in the limitation section.

3) The gender difference effect on BMD. Previously, the associations between muscle strength and BMD have been reported in men. Authors did not discuss the difference between men and women. Did you confirm the results in men or find any differences?

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.