Reviewer’s report

Title: Association between health behaviors and mood disorders among the elderly: a community-based cohort study

Version: 1 Date: 27 Jan 2019

Reviewer: Kazuki Uemura

Reviewer's report:

Although authors responded to my previous comments carefully, the revision appears not to be enough yet. Regarding the response to comment 3, authors have not described the questionable points of existing literature, what is unknown for mood disorder in older adults, and their own hypothesis in Introduction. Again, as I pointed earlier, the new challenge (novelty) of this study remains vague.

You mentioned as follow in Discussion.

"From our findings, we founded not only risk factors, but also protective factors on mood disorders in elderly."

But, physical activity has been shown as a protective factor for mood disorder in existing literature, hasn't it? Otherwise, did you mean to say that risk and protective factors were clarified simultaneously in the present study?

We also recommend authors to indicate the location of revised text (page and line) in the response letter.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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None.
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