Reviewer’s report

Title: Symptoms of depression are associated with physical inactivity but not modified by gender or the presence of a cardiovascular disease; a cross-sectional study.

Version: 0 Date: 16 Nov 2018

Reviewer: Felipe B. Schuch

Reviewer's report:

The study reports data on the association between PA and depression and explore whether this association is moderated by sex or presence of cvd. This is a cross-sectional report and, despite the methods are well-described, I have some concerns that should be addressed. First, the study should emphasize that it is not possible to draw any causal relationship due to the design of the study. Second, there are some very important variables, such as BMI, that were not described in the text and were not used to adjust the model. BMI, for example, is bireirectionally associated both with PA and depression.

Please, take a look on potential correlates of PA and dep


Some suggestions of references that may be useful for discussion in manuscript (some recent articles that we did. Please, feel completely free to add or not, case you judge not relevant)


Minor

- The sentence on Page 3, Line 58 seems incomplete and it is not very clear to me... "Depression acts as a barrier to enhance physical activity and efforts to improve lifestyle [6-8]."
- P values are never = 0.00. Please change to P<0.01 or report the full value.
- Please check for use of "," throughout table 1.
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.

No

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 am able to assess the statistics

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

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

NO COI

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal.