Reviewer’s report

Title: Association of moderate-to-vigorous physical activity with neck circumference in eight Latin American countries

Version: 0 Date: 25 Apr 2019

Reviewer: Francesca Gallè

Reviewer's report:

The manuscript "Association of moderate-to-vigorous physical activity with neck circumference in eight Latin American countries" provides interesting data regarding physical activity levels of several populations from a world region in epidemiological transition.

The study was aimed to explore the association between moderate-vigorous physical activity levels and neck circumference. The size of the sample and the use of accelerometers represent the main strengthen points of the investigation. However, I think that the authors should address the following points to improve their manuscript.

The methods section in the abstract is not complete.

It is not clear why the 40% of participants to the ELANS study was involved: was the number of accelerometers available the reason or what else?

The reported categorization of NC indicates elevated values? Please specify.

I think that reporting the accelerometers wearing time is excessive and confusing; Table 1 may be included in supplementary material.

The mean age of the total sample with SD and range should be reported in the results.

The study of the association between MVPA and waist circumference, WC and NC, NC and sedentary time would have been useful; please add a comment.

How can the Authors distinguish about vigorous activity and walking in the discussion; are related data not reported? Please address.

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.

Yes

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:

Acceptable

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