Reviewer’s report

Title: Dietary Patterns and Cardio-metabolic Risk in a Population of Guatemalan Young Adults

Version: 0 Date: 02 Nov 2016

Reviewer: Yangbo Sun

Reviewer’s report:

This paper explored the associations of unique dietary patterns with CMD risk in Central Americans, which is interesting and useful as it could contribute to the limited literature on dietary patterns in Latin American countries. However, there are some issues should be take care of:

1. Please make the writing of this manuscript more precise and rigorous, and avoid misunderstanding as much as possible. For example, on page 8 "abdominal obesity (>=102 cm for men…)". What do you refer to by 102 cm?

2. Coffee was removed from the analysis because it contributes no calories. However, it could help explain the associations. Thus I suggest not to exclude coffee from analysis.

3. What's the internal validity of the factor solutions?

4. It was said in the manuscript that the patterns for men and women were consistent so the final PCA were on the entire sample. So I suggest to give the result of it for table 1 instead of separating men and women.

5. Table 4 and 5, please give reference group

6. What are the possible explanations for the different associations between men and women?

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 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

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