Reviewer’s report

Title: Association between empirically derived dietary patterns with blood lipids, fasting blood glucose and blood pressure in adults - The India Migration Study

Version: 1 Date: 27 Nov 2017

Reviewer: Michelle Castro

Reviewer's report:

General comments: The authors complied with most of the suggestions (e.g., they included the blood pressure variables in the analysis, changed the title, added relevant information to introduction and discussion sections and described some methodological procedures with more detail), which improved the manuscript quality.

However, minor corrections are still necessary.

- Results, Characteristics of the Dietary Patterns, lines 227-228: As the authors did not present the scree plot in the manuscript (neither as a Supplementary Material), please mention "(data not shown)" after the following sentence "When we visually examined the scree plot, we observed a sharp drop after the first three components, after which the curve became substantially shallower".

- Results, Association of dietary patterns with blood lipids, fasting glucose and blood pressure, lines 268-269: The "}" is missing at the end of the sentence.

- Results, Association of dietary patterns with blood lipids, fasting glucose and blood pressure, line 275: Please, remove the word "and" before the FBG.

- Supplemental Tables 2 (a,b,c): Please, standardize the presentation for "Ref" category of the variables as used in Table 2 (note that in Supplemental Tables, the authors presented "0.00 (Ref)" whereas in Table 2, there was only "Ref").

- Supplemental Table 3: The columns with SBP and DBP results are lacking. Please, include the results about blood pressure variables in the table as presented in the previous ones.

- Discussion, page 15, lines 345-347: I suggest moving the sentence about the "fruit-vegetables-sweets-snacks" to the previous paragraph for a better and comprehensive supporting of the discussion on the association between this dietary pattern with DBP. For this, please, do the necessary modifications in the writing style.
**Level of interest**
Please indicate how interesting you found the manuscript:

An article of importance in its field

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

Acceptable

**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.

I declare that I have no competing interests.

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/](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