Reviewer’s report

Title: Prevalence and determinants of pre-hypertension and hypertension among the adults in rural Bangladesh: Findings from a community-based study

Version: 3 Date: 28 November 2014

Reviewer: YONG-MOON PARK

Reviewer’s report:

This is a community based cross-sectional study for prevalence and determinants of pre-hypertension and hypertension among the 8400 adults in rural Bangladesh. The key findings were that the prevalence of pre-hypertension and hypertension was 31.9% and 16.0% respectively. The men had a higher prevalence (33.6%) of pre-hypertension, compared to the women. Increasing age and higher BMI were positively associated with both pre-hypertension and hypertension. The strengths of the study include a well-designed sampling method and a standardized protocol of evaluating the risk factors and outcomes.

Major Compulsory Revisions
1. The abstract is not quite a balanced summary of this study. The methods could be succinct and the results should have more information.
2. The number of study subjects should be presented in the abstract.
3. More detailed explanations should be made how the study size was arrived at. In this process any eligible criteria and participation rate should be mentioned.
4. It should be mentioned which confounders were adjusted for.
5. P for linear trends showing the relationship of increasing age and BMI with prehypertension and hypertension should be presented in the abstract and results.
6. In the results at P10 L168, the authors mentioned that fruit consumption and tobacco chewing are negatively associated with prehypertension. However, no significant associations between these factors and prehypertension were found in the table 2.
7. Any discussions related to the association of socio-economic status with pre-hypertension and hypertension could be made after confirming whether there were any significant linear trends in these relationships or not.
8. It should be emphasized in the discussion what were unique in the present study findings compared to the other studies with different race/ethnicity.

Minor Essential Revisions
9. There were typos in the title of figures.
10. Obesity criteria based on BMI need to be mentioned in the methods.

Discretionary Revisions
11. In the figures, unit should be presented on the y axis.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests.