Reviewer’s report

Title: Urban-rural-specific trend in prevalence of general and central obesity, and association with hypertension in Chinese adults, aged 18-65 years

Version: 3 Date: 19 Nov 2018

Reviewer: Limin Wang

Reviewer's report:

This paper has certain novelty that studied the relationship of general obesity and central obesity with hypertension. However, the article has following problems:

1. There are many articles studying on the relationship between all kinds of indicators of obesity and blood pressure. For example, the CKB project utilized more obesity indicators to analyze the relationship between obesity and blood pressure. The paper only analyzed a few obesity indicators to analyze the relationship with blood pressure, which is difficult to deeply explore the relationship between obesity and blood pressure. The result is too simple and the evidence is weak.

2. As far as I know, the investigation has been carried out in recent years. Why did you only use the data in 2011 instead of the latest data? The data of 2011 is relatively old, which is difficult to explain the current problems.

The description of the study design is not in detail, neither the description of the sampling and data analysis method of other published survey.

4. Too many references were cited from your own survey, and few or no references with national representativeness are cited.

5. The determination of obesity is based on Chinese standard, while the determination of central obesity is based on other country's standard, which is unreasonable.

6. Have you combined the data of several years to carry on multi-factor logistic analysis in the paper? Its rationality should be considered. Some important risk factors, such as physical activity and diet, were not adjusted. Therefore the reasonableness of the results in table 3 is questionable.

7. The English expression needs further modification.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No
**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.

No

**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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