Reviewer’s report

Title: An analysis of the associations between gender and metabolic syndrome components in Korean adults: a national cross-sectional study

Version: 0 Date: 13 May 2019

Reviewer: Hiraku Kameda

Reviewer's report:

In this paper, the authors investigated the association between gender and the prevalence of metabolic syndrome components including waist circumference, hypertension, and blood lipid/glucose levels, and the results suggests the effect of estrogen on the gender difference in MS components. This paper is generally well written and potentially attracts a clinical interest, but there is a bit room for improvement.

Comments
1. It is better to state how this study impacts on current care for metabolic syndrome, in other words, to elucidate the significance of this study.

2. Regarding to the gender difference in low HDL and WC, how different cut off value of HDL and WC in gender affects the results?

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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