Reviewer’s report

Title: Cross-sectional study of associations between normal body weight with central obesity and hyperuricemia in Japan

Version: 0 Date: 30 Oct 2019

Reviewer: Gonzalo Cruz

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The study by Shirasawa T et al. study the association between normal weight with central obesity and hyperuricemia in adult Japanese men and women.

In general, the research question is clear, and the manuscript is well organized. Considering the poor information in the literature about this subject and the sample size, I think this information is useful.

I have some minor considerations
1) Page 6 L 35: Please define "NW" here
2) Page 11 L 10: Please rewrite this phrase "The prevalences of hypertension, dyslipidemia, and diabetes in men with hyperuricemia and normouricemia were 45.2%, 66.0% and 7.2%, and 35.3%, 51.1% and 9.5%, respectively, and, 43.8%, 60.7% and 8.0%, and 28.4%, 41.0% and 3.6%, respectively, in women.". Maybe it is better separate hypertension dyslipidemia and diabetes in different phrases.

3) Page 13 L 35: This asseveration is important: "because individuals with NWCO are considered to be of normal weight, they do not usually receive appropriate health education or prompt intervention to prevent hyperuricemia". In the same line, it is possible that the increased risk of hyperuricemia in NWCO is associated to Dietary habits of the group NWCO patients instead of the central obesity, as the authors recognize further in the discussion. I suggest performing a correlation analysis between WC and uric acid levels, if they correlate well will be stronger the conclusions independent of a causal analysis.

4) Since the authors refer to the "sample size" in the text, it is important to describe the sampling methods. If the authors evaluated the entire population or Universe of patients according the inclusion and exclusion criteria, this should be explicit in methods.

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 recommend additional statistical review

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Please indicate the quality of language in the manuscript:

Acceptable

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