Reviewer's report

Title: Association of Inflammation and Endothelial Dysfunction with Metabolic Disorder in Adults from Inner Mongolia, China

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Reviewer: Huaxing Li

Reviewer's report:

In this cross-sectional study, Thompson et al. reported that inflammatory factors and endothelial biomarkers were associated diabetes and MetS in an Inner Mongolian population. The results are interesting and manuscript was well written. However, I have the following discretionary revisions:

1) In the introduction section, author stated that the prevalence of prediabetes and diabetes were 2.1% and 3.2%, respectively, in Mongolian population (Line 6, Introduction section). However, the proportions of participants with prediabetes or diabetes are even more than 22% ((218+343)/2536) in this study. What make this difference?

2) In this study, the authors combined the phenotypes of prediabetes and diabetes. How about the associations between the biomarkers and diabetes alone?

Key points:

1. The question posed by the authors is well defined.
2. The methods are appropriate and well described.
3. The data are sound.
4. The manuscript adheres to the relevant standards for reporting and data deposition.
5. The discussion and conclusions are well balanced and supported by the data, but could be improved by clarifying the issues raised above.
6. Limitations of the work are clearly stated.
7. The authors clearly acknowledge any work upon which they are building, both published and unpublished.
8. The title and abstract accurately convey what has been found.
9. The manuscript is well-writing.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a
statistician.

Declaration of competing interests:
I declare that I have no competing interests