Reviewer’s report

Title: Early-life Exposure to the Chinese Famine of 1959-61 and Risk of Hyperuricemia: Results from the China Health and Retirement Longitudinal Study

Version: 0 Date: 27 Sep 2019

Reviewer: Jun Ma

Reviewer's report:

The current study observed that fetal-stage exposed to the China famine during 1959-61 was associated with higher risk of Hyperuricemia using the data from CHARLS. These results indicating that early-life famine exposure could change metabolic mechanism of serum uric acid.

However, several limitations should be mentioned.

1. More than half of participants was overweight and obesity in this study, which seems to higher than general population. I suggestion to state in the discussion.

2. Although adjusting for the effect of age using the age-balanced group, the effect of age still exists, that should be mentioned in the Discussion section.

3. The family history of Hyperuricemia could be a confounder without controlled in this study.

4. The CHARLS survey conducted several waves, could you provide the results of other wave in this study?

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.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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