Reviewer’s report

Title: Plasma glucose in screening for diabetes and pre-diabetes: how much is too much? Analysis of fasting plasma glucose and oral glucose tolerance test in Sri Lankans

Version: 0 Date: 11 Dec 2018

Reviewer: Amutha Anandakumar

Reviewer's report:

Specific comments to the authors

1. In the methods section, the authors have mentioned eligible adults ≥18 years were selected, but in the results section (Table 2), the authors have included ≤19 years. Kindly explain.

2. The cut off value of 5.3mmol/L arrived in Sri Lankan population needs to be validated in other provinces of Sri Lankan population and also in other South Asian population. Even then, the cut off value is too low than the 5.6mmol/L where more number of people will be detected with prediabetes and diabetes. Through this cut off, at risk population can be screened and prevention strategies can be adopted in them in order to prevent them from getting diabetes.

3. Majority of the population selected were females, this may lead to bias in sample selection. Equal number of subject selection need to be done. Did the authors do separate analysis for men and women? (Table 3). Was there any difference between them?

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.

No

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:

Acceptable

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