Reviewer’s report

Title: Prevalence of diabetes and impaired fasting glucose among residents in Three Gorges Reservoir Region, China

Version: 2 Date: 1 June 2014

Reviewer: Rajeev Gupta

Reviewer’s report:

Major Compulsory Revisions

Abstract:
1. This needs to be shortened considerably. Please do not provide the geographic details in a scientific article.

2. More details of the results should be provided. There is no need for crude prevalence rates here, please mention the age-adjusted rates only.

Introduction:
3. This is a very long piece. The initial paragraphs are not required and should be deleted.

4. The aims and objectives of the study should be spelled out clearly.

Methods:
5. Sampling methods should be described in better details.

6. You have used overweight and obesity criteria different from international obesity task force. I believe that you should not use the Chinese criteria and stick to the IOTF criteria of >25 and >30 kg/m².

7. Method for estimation of blood glucose should be mentioned.

8. Statistical analyses methods should be provided. How was age-adjustment was performed and what was the standard age group?

9. Similarly details of logistic regression should be provided in greater details.

Results:
10. In Table 1 please provide numbers and not the percent only. Use only one decimal numbers and not two as you have used.

11. For prevalence rates, it would be helpful if you provide 95% confidence intervals.

12. You have reported a few risk factors significant on univariate analyses. Please provide the odds ratios for these univariate analyses.

13. What all variables were used in the multivariate analyses? Please clarify.

14. The Table 3 is very complex. Please confine your presentation to major factors. Age is an important risk factor (Table 2) and should not be repeated here.
Discussion:

15. The first paragraph of the discussion section should focus only on conclusions of the study.
16. The language should be improved.

Minor Essential Revisions

17. A number of language mistakes are present. All these should be corrected.

Discretionary Revisions

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.