Reviewer's report

Title: Prevalence of Metabolic Syndrome (MetS) in Chinese subjects gradually increased with impaired glucose homeostasis: A multicenter, clinical based, cross-sectional study

Version: 1 Date: 19 April 2012

Reviewer: Nikolaos Papanas

Reviewer's report:

This is an interesting and clinically useful study including a large number of participants and examining an important issue. In the opinion of this reviewer, it adds to our understanding of metabolic syndrome and may have useful implications, especially if the Discussion is improved.

Major essential changes:
1. The Introduction would benefit from slight shortening.
2. Please do not use the term “incidence”, as this should only refer to a specific period, e.g. per year.
3. I suppose that Patients and methods should precede Results.
4. In the Discussion, please add a paragraph on the limitations of the study and what remains to be further examined.

Minor essential changes:
1. I wonder if it would be possible to provide an additional separate analysis of IGT and of IFG. If this is not possible due to low number of participants per subgroup etc, then the authors should add it in the limitations of the study.
2. Is there a continuum of risk for metabolic syndrome in the pre-diabetic range? It would be interesting just in case a correlation coefficient could be found between rising glucose of pre-diabetic subjects and increasing prevalence of metabolic syndrome.

Level of interest: An article whose findings are important to those with closely related research interests

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