Reviewer’s report

Title: Abdominal obesity and serum adiponectin complexes among population-based elementary school children in Japan: a cross-sectional study

Version: 1 Date: 2 February 2014

Reviewer: Guoying Wang

Reviewer’s report:

Minor Essential Revisions

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:

This study utilized a cross-sectional data set with 1654 children at age 9-10 years to analyze the association between the association between abdominal obesity and each adiponectin isoform value..

Overall, the paper is well written, and well organized. It is easy to read and the results are presented in straightforward manner. The information is novel and adds to the literature concerning abdominal obesity and adiponectin in childhood.

1. Sample size should add in Abstract.
2. It is unclear the process of the study subject collected. For example how many the children were approached? What is the participate rate? Whether is there a selection bias?
3. In Table 1, 95% confidence interval is needed.