Reviewer’s report

Title: Insulin Resistance and its Association with the Components of Metabolic Syndrome among Obese Children and Adolescents.

Version: 2 Date: 25 March 2010

Reviewer: Douglas Curran-Everett

Reviewer’s report:

General Comments
In general, I am satisfied with the statistical analyses. My comments pertain mainly to presentation.

Minor Essential Revisions

1. Percentages and P values throughout manuscript. Is 0.1% all that important? Please round percentages to integers. P values can be rounded to 0.01 unless they are less than 0.01 in which case rounding to the nearest 0.001 is sufficient.

2. Statistical analysis, p 7. By variance analysis do you mean analysis of variance? Logistic regression analysis is sufficient. The adjective multivariate is unnecessary.

3. Tables, presentation of SD. The +/- with SD is inappropriate: a SD is a single positive number. Means and SD can be better presented as mean (SD). For example, in Table 1, age for all subjects is better presented as 11.3 (0.8). The format can be defined in the explanation to the table.

4. Table 3. It seems to me the values in Table 3 can be rounded to the nearest integer.

5. Figure 1. My copy of Figure 1 had a blank space in the middle of the broken line between 0 and 3+ components 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: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests.