Reviewer’s report

Title: Association of Body Mass Index, Sagittal Abdominal Diameter and Waist-Hip Ratio with Cardiometabolic Risk Factors and Adipokines in Arab Children and Adolescents

Version: 3 Date: 28 June 2012

Reviewer: Kevin R Short

Reviewer’s report:

Suggestion to the authors
When revising a paper, especially one that has undergone multiple reviews like this one, it would be very much appreciated by the reviewers if the authors would highlight the changes made in the text with some type of highlighting, underline, or use of color. There were several changes made in this version and they were not highlighted, which made reviewing the changes more difficult than it should have been.

Minor revisions
The final paragraph of the results needs the following revisions.
“SAD showed significance in almost all parameters as well, with the exception of systolic blood pressure and triglycerides.”
Should be revised as “SAD was a significant predictor of most other parameters…”

“Lastly, waist-hip ratio was significant in glucose, two or more components of MetS and MetS itself. “
This sentence was poorly written before and a suggestion to improve it was provided. The authors stated that the changed it but in the letter and the manuscript the sentence was not actually changed.

“Figure 1 shows the positive linear trend between SAD in both boys and girls.”
This is an incomplete sentence and need further explanation. The correlation is between SAD and age. The line of best fit is not likely to be linear, especially in girls so a different curve should be applied. Finally, this figure is useful to provide a picture of the data distribution and is a response to the prior review. However, the authors should provide some further comment on it beyond just showing it. This figure and the accompanying text would probably fit better near the beginning of the Results section with the other descriptive data.

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'