Reviewer's report

Title: The association of body image distortion with weight control behaviors, diet behaviors, physical activity, sadness, and suicidal ideation among Korean high school students: a cross-sectional study

Version: 0 Date: 13 Sep 2015

Reviewer: Ruwan Ferdinando

Reviewer's report:

Congratulations! Nicely designed. Well written. I have some concerns which are stated below:

01. The way the research questions are presented at the end of the background (p.5,l.9) are somewhat different from what is given in the abstract.

02. In the discussion and in conclusions, the objectives / research questions are not well-addressed. Even though they have been discussed it was not focused on the research question. May be you can reword the research question in the abstract and in the main text and address that in the discussion and conclusions.

03. In the abstract (line 22), Results start with the terms "overestimation group". It would be prudent to identify the type of overestimation and state "overestimation of ...... group".

04. Table 4: Better to include male and female differentials and expand the table. Since weight control attempts and behaviours would be different in them. In the same table, there are three categories who have taken some efforts to control weight (lines 12-16). This includes efforts to gain weight too. The total of those 3 groups in the under-estimation group is 2024 (including those who have taken efforts to gain weight). The weight control behaviours below (line 17) include these total of 2024. However, it seems that the weight control measures comprise only weight reduction measures (lines 19-35) but not weight gaining methods. For example, eating less is there but not eating more. It seems only the efforts for weight reduction group may be analysed from these.

05. In the same table, the significance for making an effort to gain weight is not shown. However, in the Results section, (p.11, lines 27-30), it has been mentioned about a significance in this regard.

06. Page 12, Fast food consumption has not been stated in the results section. Also socioeconomic status under demographics.

07. Page 13, line 34-36, "About half of the subjects walked for 10 minutes or more during the past 7 days." needs to be corrected as "About half of the subjects walked for 10 minutes or more daily during the past 7 days."
08. In the discussion Table 4,5,6 are not adequately discussed and this is evident in the conclusions too. May be after rewording the research question, you will be able to do this more comfortably.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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Acceptable

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