Reviewer's report

Title: Prevalence and Sociodemographic Correlation of Weight Misperception in Korean Adolescents

Version: 1 Date: 10 March 2014

Reviewer: masa bizjak cernelic

Reviewer's report:

1. Major Compulsory Revisions:

I would encourage the authors to reframe the title of the article, as they did not report or present any correlation.

This also applies to the construct they mentioned in article, such as “ego identity”- this term is not connected with objectively or subjectively measured participant’s body perceptions or BMI; therefore should be avoided.

The authors state (in Abstract, section Results) that logistics regression analysis revealed some association. But logistic regression is a type of probabilistic statistical classification model. It is also used to predict a binary response from a binary predictor, used for predicting the outcome of a categorical dependent variable based on one or more predictor variables. Authors should reframe abstract, results section and sentences or/and give more information about the statistics they have used?

The associations between SES and being overweight are so well established in the literature it does not warrant much attention. Accordingly I would encourage the authors to reframe analyses (also conclusion) and to run a regression analysis where they present their control variables. It would be also interesting to examine interactions with weight control, eating habits and physical activity.

In Results sections, first paragraph, authors witted "the distributions of adolescents who did not try weight control, tried to reduce body...(Table 1)". But this data are not in Table 1, or are they?

Finally, in Discussion section, fifth paragraph, authors state "....that previous intervention programs conducted mainly for obese adolescents are ineffective." It seems, based on lower misperception rate that had an overweight/obese adolescent, that these programs were effective, why not?

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.
Declaration of competing interests:

'I declare that I have no competing interests'