Reviewer’s report

Title: Title: A systematic review on associations between dietary factors and obesity-related biomarkers - numerous limitations seem to impede current research on childhood obesity

Version: 0 Date: 10 May 2017

Reviewer: Secundino Cigarran

Reviewer’s report:

The manuscript entitled A systematic review on associations...." is an interesting report in the field. However the article could be improved with the suggestios as follows:

Contage word ok

Abstract well expressed.

Introduction: No suggestions

Background: It is relevant how the overweight & obesity is defined. Authors should include the marker : BMI, % fat by (anthropometry, skinfold or body composition)

Methods: Literature research well serched with key words appropriate. Flowchart is very clear. Good proposal serum biomarkers of inflammation and cardiovascular biomarkers. Data selected expresed in Table I are properly included with inclusion & exclusion criteria. There are not collected any genetically study as example if parents or any other genetical member have been obese or overweight. No diabetes status is recorded.

Table 2 is in accordance with methodology. as comment, that is a fact, the high quality score of the studies is scarce.

Results & Discussion: Well estructured and expresed. Of relevance is that only 19.2% of total observations showed relevance th relationship between dietary and any obesity related biomarkers. Discussion is very well focused on the mistakes arisen from methodology in the studies. Also important in the shortcomings is the election of biomarkers. As suggestion for the fuure is to promote the inclusion of body composition analysis, and implement electronic tools in order to analize the mean intake of different elements and trace.

Completelly accord with the actions points for the future. It is relevant the proposal of prospective longitudinal studies. Nowadays is key to define in other way the odesity state.

Conclusion properly assessed.

Level of interest
Please indicate how interesting you found the manuscript:
An article of importance in its field

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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