Reviewer’s report

Title: Association between thyroid hormones and the components of metabolic syndrome

Version: 0  Date: 19 Nov 2017

Reviewer: Katarzyna Ziemnicka

Reviewer's report:

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Comments to the authors:

These are good and interesting studies and well written paper. I have only few comments: check if some prepositions were used in a proper way and there are also few misspellings (see tables); please place an info what does it mean: "β" in the tables describing statistical results (so I suppose: standardized regression coefficient) and "S.E." (standardized error of a correlation coefficient”).

I have also one concern, whether we could link the higher level of triglycerides with high level of anti-TPO antibodies only. In this analysis the level of TSH in the group with positive TPOAbs should be included as a second factor in the study (TSH-TPOAb correlations with triglycerides), as it is well known that in this population the prevalence of subclinical or overt hypothyroidism is higher therefore the tendency to high triglycerides level. I think it is worth to show these data because this correlation seems to be not so straightforward, although authors have mentioned about this in the Discussion.

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.

Unable to assess
Are the conclusions drawn adequately supported by the data shown?
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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

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

Needs some language corrections before being published

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