Reviewer’s report

Title: Thyroid function, body mass index, and metabolic risk markers in euthyroid adults: a cohort study

Version: 0 Date: 04 Feb 2019

Reviewer: Marianne Klose

Reviewer's report:

The present data are of interest mainly due to the sample size and its standardized procedures. The data represent an observation of normal physiology and the everlasting question of 'what is the hen and the egg' can not be answered as also appropriately addressed by the authors. Previous data from e.g. Liu G et al (2017) indicated reversing effects by weight reduction. Comments are added throughout the manuscript.

My major comment relates to the methodology which should be described in more details. I do not quite understand how standardized measurements were ensured in such a large scale setting, where patients were selected post-hoc based on whether normal thyroid samples were available or not. I might have misunderstood the design; please add details.

Table 2 is illisible in its current form, and I suggest that it is deleted and data given in an alternative way

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

No

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.

Not relevant to this manuscript

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

Acceptable

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