Reviewer’s report

Title: Serum Zinc-α2-glycoprotein levels are elevated and correlated with thyroid hormone in newly diagnosed hyperthyroidism

Version: 1 Date: 29 Apr 2018

Reviewer: Maria Laura Tanda

Reviewer's report:

The authors of the present study investigated the effect of hyperthyroidism on ZAG levels, a new metabolic lipolysis marker.

The topic is interesting and worthy of further study in order to contribute to the understanding of the mechanisms of hypermetabolism linked to excess of thyroid hormones.

The paper is interesting and is worthy of disclosure, however I point out the following points:

In the literature there are conflicting data on the levels of ZAG in hypertension and on levels of DBP in hyperthyroidism.

In this study hyperthyroidism is associated with higher ZAG levels and higher DBP in patients compared to controls but there is no information regarding the variations of DPB in the group of subjects treated for hyperthyroidism to verify this association.

Finally they must be corrected on page 5, line 23 should be replaced hypothyroid with hyperthyroid

on page 6 line 6, specify consecutive newly patients.

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

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

Acceptable

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