Reviewer’s report

Title: Insulin treatment corrects hepcidin but not YKL-40 levels in persons with type 2 diabetes mellitus matched by Body Mass Index, Waist-to-Height Ratio, C-Reactive Protein and Creatinine

Version: 0 Date: 01 Jun 2017

Reviewer: Carla Carvalho

Reviewer’s report:

The potential usage of hepcidin as a blood marker for diabetes and the detected enhanced in blood hepdicin concentration in metabolic controlled T2DM is an interesting data. However, it is not clear if this effect was due to insulin treatment or to the metabolic normalization of the diabetes. I think this should be discussed

Furthermore, there are some questions I would like to address to the authors:

1- There are some evidence in literature indicating that YKL-40 plasma levels are correlated with age, so it is important to include the age of the studied people;

2- Is there any information regarding the regulation of the hepcidin association to FPN?

3- The % of HbAC should be corrected in the table 1; as well as some paragraphs that have repeated words.

4- The autonomic dysfunction discussed in the manuscript should be better identified and presented, since the initial component of the dysautonomia is the sudomotor dysfunction in newly diagnostic diabetes (Isak et al., 2008)

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:

Needs some language corrections before being published

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