Reviewer’s report

Title: Metabolic characteristics of individuals at a high risk of type 2 diabetes - a comparative cross-sectional study

Version: 1 Date: 23 Apr 2017

Reviewer: Carla Carvalho

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The data presented in the manuscript is interesting and reinforce the usefulness of OGTT as a cheap and easy technique to follow people at risk to develop T2D.

However, I will suggest to the authors to revise their figures, and corresponding legends, in order to clarify and reduce redundancy data presentations.

I wonder if the distinct data they observed regarding glucose tolerance instead of insulin resistance could be due to ethnics background of the studied population. In fact, I would like to read in the discussion section if this could be a difference between this study and others.

The legends should present enough information, including statistical results, to the reader do with no need to go to the results text.

In this regard, I suggest: (1) to include in one figure the OGTT curves (a. actual 1; b. actual 2; c. actual 3; d. actual 4), (2) to suppress the figure 5, and (3) to keep figure 6 as figure 2.

If the authors want to show the data from AUC of each one of the OGTT curves, I suggest they should include a small bar graph as an insert in each one of the curve graph of new figure 1.

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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