Author's response to reviews

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

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The following revisions have been made according to the kind suggestions by Reviewer 2;

Reviewer 2

Carla Carvalho (Reviewer 2): 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.

Thank you for this comment. We do not have data on the participants’ ethnicity, and have added a notion of this in the paragraph discussing the limitations of the study, on page 16, lines 19, 20, 21 and 22.

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.

Thank you for this comment. We have transformed figures 1 through 4 to figure 1 A-D as suggested, we have removed figure 5 from the manuscript and have renamed figure 6 to 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.

Thank you for this comment. The AUC’s requested from the reviewer are included in table 1, so to avoid repeating data reporting, we have decided to keep figures 1A-D as corrected (described above).