**Reviewer’s report**

**Title:** Glycated Hemoglobin Versus Oral Glucose Tolerance Test in The Identification of Subjects With Prediabetes in Qatari Population

**Version:** 0  **Date:** 02 May 2019

**Reviewer:** Jennifer Logue

**Reviewer's report:**

Thanks you for the revision of this paper. I was not the original reviewer though saw it before as an editor.

I think there is a bit of restructuring needed to get the full message of this paper clear. I do not think this needs any further analysis, just some editing. Unfortunately I think some of the issues have arisen due to the review process itself which is unfortunate. The authors response to the reviewer does show that the authors understand the issues with some of what has been added in.

There is however one key point from the reviewer that is not yet clear. Pre-diabetes is a catch-all term for a variety of biochemical diagnoses and it is equally valid to use HbA1c or OGTT. It is perhaps simplest to think of two distinct conditions - OGTT diagnosed pre-diabetes and HbA1c diagnosed prediabetes. HbA1c diagnosis is not just a short-cut for OGTT, it tests something biologically distinct. I therefore agree with the author comments that the ROC curves are not helpful and should be removed.

In the author response, the role of prospective data and prediction of future T2DM is eloquently described as being key. I think this clarity is missing from the paper itself and should be added.

Overall the paper needs to be simplified into looking at what the population diagnosed by HbA1c looks like, what the population diagnosed by OGTT looks like (and this should include the HOMA results which are currently in the discussion rather than results section. Also do you have data on dyslipidemia too? if so add it in if you can do so easily), and the overlap (or lack of overlap) between them. I do not think these changes would take long to do and it would be a far more useful paper.

**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.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?  
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I am able to assess the statistics

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