Reviewer’s report

Title: Performance of HbA1c versus Oral Glucose Tolerance Test (OGTT) as a screening tool to diagnose dysglycemic status in high-risk Thai patients

Version: 0 Date: 30 Oct 2018

Reviewer: Joiza Lins Camargo

Reviewer's report:

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This manuscript aimed to determine the prevalence of dysglycemia in high-risk Thai out-patients and to evaluate the correlations and agreement between OGTT and HbA1c in diagnosing these conditions. This topic has been exhaustively addressed in the literature in the last years. Although there is an effect of race/ethnicity on HbA1c levels and no enough data in this specific population exist, it is not expected that HbA1c behavior is different in Thai patients.

The paper is too long and confused and the study is seriously flawed due to inadequate design and data analysis that may cause misinterpretation of the results. Sometimes is understood that the authors are comparing prevalence of diabetes and prediabetes by OGTT and HbA1c and other times is understood that they are analyzing HbA1c performance. It seems that this is a study of diagnostic accuracy and to be properly executed and scientifically reported must follow specific guidelines. The authors failed to show the adherence to the proper guideline.

I have major comments:

1) The manuscript should follow the STARD statement (http://www.stard-statement.org/) for properly reporting this type of study. A STARD checklist must accompany the manuscript submission. The text should be revised and standardized for terms and definitions that must be used in the text according to STARD;

2) The Introduction and Discussion are too long and should be revised.

3) After follow the STARD, the methods and results sections should be revised.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

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?
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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