Reviewer’s report

Title: Development and validation of a predictive model for incident type 2 diabetes in middle-aged Mexican adults: The Metabolic Syndrome Cohort

Version: 0  Date: 11 Oct 2018

Reviewer: Petros Thomakos

Reviewer's report:

The study is well conducted and adequately powered and is worth to be published. Identification of the risk factors associated to diabetes incidence and the development of a predictive model for diabetes in a high-risk population like Mexican has not been documented well in the literature. However, there are some limitations that need to be addressed to strength this manuscript.

The title needs reconsidering: The phrase "apparently healthy" seems inappropriate to be included in a title

The Background section needs to be shortened

The sentence "residents in the city in which they were assessed for >6 months" needs to be rephrased

The criterion to include only people adults ≥20 years with body mass index (BMI) ≥20 kg/m2, needs be referenced

Early-onset ID, defined as ID <40 years should be referenced

The limitation section could be expanded further. E.g. fasting BG 126mg/dL in a single measurement cannot be considered as DM diagnosis.

There are many typographical and syntax errors. The manuscript needs English editing to improve readability
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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