Reviewer’s report

Title: Elevated C-reactive protein, interleukin 6, tumor necrosis factor alpha and glycemic load associated with type 2 diabetes mellitus in rural Thais: a cross-sectional study

Version: 0 Date: 14 Mar 2017

Reviewer: Kamal Adel Amin

Reviewer’s report:

Comments:

*From table 1 and 2 most of the people in this study was primary and secondary school who normally 12-18 years old that was not consistence with the provided age in table 2 (34-60). Of course the difference in age is important and can affect the study. Also inflammatory marker could be changes according to those ages and type of work that may affect the factor of T2DM

*Table 2 provide the significance level without standard error or deviation. This required to be added.

*One of the main problems with data in this manuscript is that the difference between minimum and maximum values is too high for example: Table 2, Insulin level in prediabetic and T2DM was 5.83 (0.46,32.94)a 6.29 (0.75,46.66)b. There are big difference this difference was the actual cause of the significant variation in statistical analysis not due to T2DM when compared with other groups. Also TG, TC.

These too low or high values should be deleted and analyzed again the error may be in the instrument, technician etc. (statistical issues)

*In conclusion CRP predictive markers, but it release in chronic case so should not predictive but as consequence for developing T2DM

*This study could evaluate the presence and incidence of T2DM in certain areas while approving the association of T2DM with other biomarkers, there were several limitation as, Occupation, Family history of diabetes, age, type of works, number of patient, dietary supplement differences.

*Page 12 line 226 need the date of the reference

*Page 13 line 253 also reference year

*Declarations need to be completed

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

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If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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