Author’s response to reviews

Title: Serum magnesium and high-sensitivity C-reactive protein as a predictor for gestational diabetes mellitus in Sudanese pregnant women

Authors:

Warda Naser (wardanasr@hotmail.com)
Ishag Adam (ishagadam@hotmail.com)
Duria Rayis (Duria11@hotmail.com)
Mohammed Ahmed (Awad22mohd@gmail.com)
Hamdan Hamdan (hamdanology@hotmail.com)

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Point to point response to the Editor and Reviewer reports

We would like to thank the editor and the reviewers for their comments on the manuscript. We feel that these comments and the response have improved the paper.

Response to Editor comments:

1. your manuscript currently contains an unacceptable overlap in text with previously published material. As a result, we would ask you to rewrite your abstract, the first paragraph of the background, and the 3rd paragraph of of the methods, in original language in order to address this issue.

Response

We re-write the abstract, the first paragraph of the background and the 3rd paragraph of the methods in original language. Please check the abstract, introduction section page #2, page# 4 and page # 5&6 .

Response to reviewer#1 (Ali Khosrowbeygi) comments:

Comment

1. Please explain the sampling method that was used in the current study.
Response

We used total coverage approach until completing the sample size for all pregnant women who attend the antenatal care and agreed to participate in the study. We add a text that explain this point. Please check the methods section page #5.

2. The number of women with GDM is very low and comparison of them with women without GDM might not be reasonable. It should be mentioned as a restriction of the study.

Response

Yes, we agreed and this point has been inserted in the limitation of the study as suggested. Please see the limitation of the study at page # 9.

3. Please explain that the presented correlations in Table 2 are calculated in GDM or in the whole sample.

Response

It has been calculated in whole sample. This point has been inserted in text as well as the table ligand, please check table 2 and check result section page # 7.

4. Why the authors did not use logistic regression analysis and ROC curves for statistical calculations.

Response

Yes, we agreed that logistic regression analysis and ROC curves are the main cores for statistical calculations. However, we did not apply them here in because there no single variable in the univariate results with P value <0.2. It is recommended to use them when the primary analysis (univariate) t-test, Chi-square tests etc P values less than 0.2.

5. Please explain the mechanism of the relationship between magnesium and hsCRP and GDM.

Response

We add sentence explaining the relationship between the hs-CRP and Magnesium and GDM. Please check introduction page #4.
Response to reviewer # 2 (Shahla Yazdani) comments:

1. Sample size is small and finding of this study cannot reliable.

Response

Yes, we agreed that and this point has been inserted in the limitation of the study at page # 9.