Reviewer’s report

Title: Association of circulating CEACAM1 levels and insulin sensitivity in gestational diabetes mellitus

Version: 0 Date: 04 Nov 2019

Reviewer: Research Square Reviewer 1

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses a testable research question(s) (brief or other article types: is there a clear objective)?

Yes - there is a clear objective

DESIGN - Is the current approach (including controls and analysis protocols) appropriate for the objective?

No - there are major issues

EXECUTION - Are the experiments and analyses performed with technical rigor to allow confidence in the results?

No - there are minor issues

STATISTICS - Is the use of statistics in the manuscript appropriate?

No - there are issues with the statistics in the study

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?

Yes - the author's interpretation is reasonable

OVERALL MANUSCRIPT POTENTIAL - Is the current version of this work technically sound? If not, can revisions be made to make the work technically sound?

Maybe - with major revisions
PEER REVIEWER COMMENTS:

GENERAL COMMENTS:

Nice subject, poorly reported, needs major revision

REQUESTED REVISIONS:

1. GDM definition has been changed by ADA in 2018 using the latest definition. "GDM is diabetes that is first diagnosed in the second or third trimester of pregnancy that is not clearly either preexisting type 1 or type 2 diabetes"


3. Use uniform abbreviations throughout the manuscript either "Ceacam" or "CEACAM"

4. Sample size and power analysis is missing

5. In the biochemical assessment section, the method utilized to evaluate plasma glucose, HbA1c, insulin, and CEACAM1 and their coefficient of variability needs to be specified.

6. The authors report that "A total of 140 pregnant women were randomly recruited in this study including" therefore the randomization method should be specified.

7. The study design needs to be specified. If it's a randomized controlled trial then the authors should make a flowchart and adhere to CONSORT guidelines.

8. In the tables section area under the curve for insulin and glucose values are 2 digits?? it must be something 0.xxx. A statistician review is needed.

ADDITIONAL REQUESTS/SUGGESTIONS:

The authors should read CONSORT guidelines and report the study according to it.

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.

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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Please complete a declaration of competing interests, considering the following questions:

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