

Dear Prof. Qi,

I would like to thank you for your efforts in handling the peer review of my submission. Based on the reviewers' comments changes were made in different parts of the manuscript. A point by point response to the reviewer's comments comes in the following. I hope this revision will be acceptable for publication in your important journal.

Sincerely,

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Reviewer 1 (03666027):

1-I have read with interest the paper. The paper aims to show the intrinsic mechanisms to show the effect of T2DM. Many of the classical mechanisms are shown and explained. A figure of images should be considered for that purpose

Thank you for valuable comments, we have added more explanation of the mechanism as well as elaborative figure.

Reviewer 2 (03305140):

Obesity and its related complications are serious challenges worldwide. This paper reported the health benefits of RYGB bariatric surgery for the patients of Middle Eastern ethnicity. There are three points needed to be explained.

1. Tanita Body Composition Analyzer was used to detect the body composition in this paper. The authors should state its scientificity and quality control. To my knowledge, there are other methods used widely to detect the body composition, such as DEXA. 2

Thank you for valuable comments, we have added more details on "Tanita Body Composition Analyzer", also in our limitation we have mentioned the lack of using DEXA.

The mean HbA1c at the baseline was 6.8%, so there must be some diabetic patients in the participants who may use anti-diabetes drugs that may influence the body weight, HbA1c, lipidemia and so on. The authors should illustrate such information and analyze them.

Thank you for valuable comments, in our study all the subjects had a diabetes and we have pooled all the data together to give a more comprehensive view and insight, and in case of the dividing our population we may meet the case of the unpowered in our study which would be a big issue and results in the bias.

The adverse effect and complication of the surgery should also be mentioned, even if there might be none.

Unfortunately, we did not collect any data on adverse effects and complications after the surgery in our population.

Reviewer 3 (02551224):

Dear Authors, I think your article is an interesting clinical study on a specific population of obese patients. There are some lacking data, and it is not well described what are the specific differences in this population in comparison to the western world general population of obese patients. I think you could correct the text accordingly, but only minor changes are needed in my opinion for acceptance.

Thank you for your valuable comment, we have added more details and explanation on the difference in the results of Asian and western countries.