Author's response to reviews

Title: The Role of Bariatric Surgery to Treat Diabetes: Current challenges and perspectives

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Author’s response to reviews:

Reply to reviewers’ comments

All authors would like to express their sincere thanks to the editor and reviewers for their comments; by addressing them in the revised version of our manuscript, we believe it is strengthened and has become a better read.

Replies to specific comments:

Editor:

- Please review your "competing interests" section:

This has been amended to show that AK is Associate Editor and SL Section Editor for BMC Endocrine Disorders

Reviewer #1:

- The article: The Role of Bariatric Surgery to Treat Diabetes: Current challenges and perspectives By Koliaki and Coll is an interesting review on bariatric surgery and T2DM therapy.

Thank you very much for your encouraging comment.

- The Authors apparently agree with the general thinking on a role of incretin secretion resulting in a recovery of B cell function. Looking better at this matter several experimental evidences show that recovery of early insulin secretion is incretin independent for the very simple and
straightforward reason that it can measured only by iv glucose. B cell insulin secretion by iv glucose is by definition incretin independent. Authors should discuss this matter.

We agree with reviewer #1 that the mechanisms behind recovery of early insulin secretion is a matter of controversy, and, in fact, many factors, not only incretin enhanced secretion, are possibly involved. In order to highlight this, we have added a paragraph (lines 171-186), describing possible mechanisms, and also citing studies employing IVGTTs in order to display improvements in first-phase insulin secretion, which, as the reviewer points out, is by definition incretin independent in this setting. We have added references 20-23 accordingly, and also added "IVGTT" to the list of abbreviations.

- I would suggest shortening the manuscript.

Although a review regarding the present subject will tend to be lengthy, and furthermore, addressing the former comment required us to add a further paragraph, we have made every effort to shorten the manuscript. To this end, we have managed to eliminate more than 600 words of text (10%). We have also corrected some incidental typos that had been overlooked in our first submission.