

## **Peer reviews and response to reviews ESPS – 18226**

**Name of journal:** World Journal of Diabetes

### **Reviewer 1**

The review entitled: “Metabolic surgery: A paradigm shift in type 2 diabetes management” is a complete review about the controversial matter as consequence that metabolic surgery or bariatric surgery is a new concept of type 2 diabetes treatment in obese patients. The reduction in body weight following bariatric procedures results in improvement and also in some cases remission of type 2 diabetes mellitus and the improvement of co-morbidities associated with obesity. The authors studied mechanisms involved in this improvement and the complications of this treatment in obese patients. The long-term outcomes and possible future complications of the procedure are uncertain but the authors discuss the benefit that would result for the obese population with type 2 diabetes mellitus.

**Answer:** Thanks for the positive comments and we appreciate the effort taken by the reviewer to critically review the paper.

### **Reviewer 2**

In general, this review article is very excellent and informative for clinical diabetologists. I would like to comment a few points. 1. Many diabetologists may have particular interest for alterations in gut hormones after metabolic surgery. Therefore, in my opinion, it may be better if references for these issues are summarized in a table (as Table 3). Particularly association between GLP-1 and metabolic surgery is interesting, and more detailed comments may be added (with more references). There are many publications even when these are limited to papers published in 2015. In addition, recently alterations of gastrin after sleeve gastrectomy are reported in rat model of type 2 diabetes. This may also be commented in text. 2. In figure 1, please add more detailed comments. For example, in RYGB, is the route of food is 2 way or only one way (only alimentary limb route)?

**Answer:** We appreciate the enthusiasm of the reviewer to improve the quality of the manuscript through suggestion for minor additions in the paper. Because this is an editorial, multiple tables

would look awkward as there are 2 tables already. Moreover, unlike some other journals, World Journal of Diabetes usually does not include references as tables. Therefore, we did not include a new table (table 3) for references in the revision. However, 4 new references with discussion on the role of GLP-1 in positive health outcomes in obese subjects after bariatric surgery relevant to the suggestion of the reviewer are added. Comments about hypergastrinemia following SG are also added with a new reference. Additional comments about Figure 1 with explanations are included in a separate paragraph as suggested. The changes made in the manuscript incorporating the suggestions by reviewer and the new references are highlighted with red font.

### **Editorial comments and responses**

**Conflicts of interest (COI) statement:** pdf files of signed COI is uploaded.

**Audio-clip of the final core tip:** an audio clip of the final core tip is uploaded.

**References:** are cited in the text as superscripts before the punctuation marks as suggested.