Reviewer’s report

Title: The Effects Of Desflurane And Sevoflurane On Nesfatin1 Levels In Laparoscopic Cholecystectomy

Version: 2 Date: 30 Nov 2017

Reviewer: Gaetano Scaramuzzo

Reviewer’s report:

The authors reviewed their manuscript according to the numerous points raised and I congratulate them for doing this. I still have some comments:

General comment:

In this work Ozcan et al. investigate the effect of two different anaesthetic gases on the postoperative nesfatin level in laparoscopic cholecystectomy. They do not find any statistically significant difference in the postoperative level of nesfatin compared to the preoperative level in both Sevoflurane and Desflurane groups. They did not find any difference between the two groups in the level of nesfatin-1 neither before or after surgery.

The abstract conclusions should be reviewed in accordance to the conclusions of the study. The discussion should focus less on the biological effects of the nesfatin-1 and more on the results of the work. Please verify the number of patients (there are different data through the manuscript).

Specific comments:

- Abstract: please revise the abstract's conclusion in accordance to the aim of the study and to the title of the study. Explain what is the final effect of the two different anaesthetic gases of postoperative nesfatin (no increase in both groups after surgery; no difference between nesfatin-1 levels between groups after surgery).

- Page6, line49. Aldrete score not aldrate score

- Page 8: "Forty patients with American Society Anesthesiology (ASA) Class I-II". I already suggested in the first revision to verify this data according to what is written in the tables and in the result section (42 patients or 40? Please revise). Revise also the abstract (40 patients? 42? Not clear!)

- Page 9, line 25: "But sevoflurane and desflurane concentration weren't changed during the anesthesia maintenance". Please consider eliminating "But" at the beginning of the sentence.

- Page9 line 37: Aldrete not aldrate
- Page 14, line 58: "While there is an elevation in nesfatin-1 levels" consider revising this sentence, since there was no statistically significant difference in both groups before and after surgery (so there was no statistically significant increase in the nesfatin-1 level).

- Page 18: there are no conclusion regarding the postoperative levels of nesfatin-1. Consider reviewing with this information since was one of the aim of the study.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**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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