Dear Editor and Reviewers,

We are submitting the revised manuscript entitled “Remazolam combined with a transversus abdominis plane block in gastrointestinal tumor surgery: Have we achieved a better anesthetic effect?” (NO: 90965). We thank you all for the constructive suggestions and concerns, which greatly improve the quality of the manuscript. We have carefully addressed these concerns and the necessary changes have been made based on the reviewers’ suggestions. We have now worked on both language and readability and have also involved native English speakers for language corrections. We really hope that the flow and language level have been substantially improved. Please see our rebuttal responses and revised manuscript with major changes highlighted in yellow.

Sincerely,

Qiang Lin
2024-05-10

Response to Reviewers’ comments:

**Reviewer #1:**

*Scientific Quality: Grade B (Very good)*

*Language Quality: Grade B (Minor language polishing)*

*Conclusion: Minor revision*

*Specific Comments to Authors:*
Laparoscopy with general anaesthesia causes hormonal imbalance, oxidative stress, and immune system suppression. Significantly laparoscopy harms mesothelial cells, which cover an area equivalent to the body's surface area. Suggestions were added to the discussion on this matter.

Response:
Thank you for your suggestions. We have added some new content to the manuscript and highlighted it in yellow. In addition, we have now worked on both language and readability and have also involved native English speakers for language corrections. We really hope that the flow and language level have been substantially improved.

“Laparoscopy with general anaesthesia causes hormonal imbalance, oxidative stress, and immune system suppression. Laparoscopic surgery generates a large amount of CO₂ and pneumoperitoneum pressure, which can lead to hypoxia and desiccation of the peritoneal mesothelial cells, causing a series of acute inflammatory reactions[2]. The peritoneal mucosa of mesothelial cells surround the intestinal organs and female reproductive organs, responsible for immune integrity[3]. Damaged mesothelial cells also indicate damage to immune function.


Cytology-Derived Primary Human Mesothelial Cells for In Vitro Cell Culture and Simulation of Human Peritoneum. Biomedicines 2021; 9 [PMID: 33578986 DOI: 10.3390/biomedicines9020176]