

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Oncology*

**Manuscript NO:** 87582

**Title:** Effect of Transversus Abdominis Plane Block with Remimazolam on Postoperative Recovery and Stress Response in Patients Undergoing Gastrointestinal Tumor Surgery

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 07746408

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** Brazil

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-09-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-09-25 07:14

**Reviewer performed review:** 2023-10-07 07:33

**Review time:** 12 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

At present, there are few reports on combining TAPB and remimazolam in laparoscopic surgery for gastrointestinal tumors. The objective of this study was to examine the effects of the combination of TAPB and remimazolam on the stress responses and postoperative recovery in individuals undergoing gastrointestinal tumor surgery. Based on the clinical data of 102 patients with gastrointestinal malignancies, they found that TAPB combined with remimazolam for general anesthesia could enhanced anesthetic and hemodynamic stability, reduced occurrence of cardiovascular events, and expedited postoperative recovery in individuals undergoing gastrointestinal tumor surgery. These findings could be used to establish a theoretical foundation for the prevention or reduction of stress responses in patients, as well as to provide evidence-based choices for clinical anesthesia. The topic is actual and well described. Reviewers have only one question to discuss: in the view of reviewers, it is not appropriate to include descriptions of dropout criteria in retrospective studies. Retrospective studies involve analyzing existing data to retrospectively examine the relationship between exposure and outcome. As researchers do not have control over the data collection process, they cannot directly

set dropout criteria. However, it is still important to consider the issue of missing participants in retrospective studies. If participants drop out or fail to provide complete data during the data collection process, researchers should describe this missing information in the article and analyze and discuss the reasons for the missing data. This allows readers to understand the reliability and generalizability of the study findings and assess potential biases.

**Reply:** Thank the reviewer for the guidance of this article. The exclusion criteria for the study subjects in the retrospective study may lead to controversy among reviewers and readers. We are very sorry, so the controversial part of the exclusion criteria for the study subjects was deleted.

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**Peer-review model:** Single blind

**Reviewer's code:** 07746500

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Assistant Professor, Doctor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-09-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-09-26 09:14

**Reviewer performed review:** 2023-10-08 09:34

**Review time:** 12 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Thank you for the opportunity to review this important manuscript. In this retrospective single center study, Jun Liu et al. examined the effects of combining TAPB with remimazolam on the stress response and postoperative recovery of gastrointestinal tumor surgery patients. The study was well described and establish a theoretical foundation for the prevention or reduction of stress responses in patients. Also, they provide evidence-based choices for clinical anesthesia. This is a well-designed study and the manuscript is well written. Minor concern: The manuscript needs to be improved. For example, the conclusion should be concise.

**Reply:** We are very grateful to the reviewers for their guidance on this article, and the conclusion part of the article has been streamlined.