PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 70397

Title: Effect of ultrasound-guided paravertebral nerve block anesthesia on the stress response and hemodynamics among patients with lung cancer

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06075649

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-11-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-30 12:18

Reviewer performed review: 2021-12-06 10:27

Review time: 5 Days and 22 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Thoracic surgery for radical resection of lung tumor requires deep anesthesia which can lead to an adverse inflammatory response, loss of hemodynamic stability, and decreased immune function. In the manuscript, authors analyzed 140 patients who underwent thoracic surgery for lung cancer between January 2018 and May 2020. They were randomly allocated to the peripheral+general anesthesia (observation) group (n=74) or to the general anesthesia (control) group (n=66). Shuqing Zhen et al. found the intra-operative use of remifentanil and propofol and postoperative use of sufentanil in the observation group were significantly less than those in the control group. However, there was no significant difference in the incidence of adverse reactions between the two groups. This study is very useful. The authors evaluated the application of ultrasound-guided paravertebral nerve block anesthesia for lung cancer surgery to inform practice based on the manuscript. Figures described the results very clearly. Reference citations are appropriate. The only regret is that DISCUSSION should be focused on what they found and learned, and comparison with previous evidence.

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Reviewer's Country/Territory: Turkey

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SPECIFIC COMMENTS TO AUTHORS

Dear author, Thank you for sharing your article entitled "Effect of ultrasound-guided paravertebral nerve block anesthesia on the stress response and hemodynamics among patients with lung cancer". The study is a well-written, good structured recommendation for the application of ultrasound-guided paravertebral nerve block anesthesia for lung cancer surgery to inform practice. The recommendations are good for clinical use. Also, your article is good in grammar and scientific writing rules. The topic is actual and well described. Thank you for a useful and important synopsis of this important topic. Sincerely