

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 74404

Title: Effects of propofol combined with lidocaine on hemodynamics, serum ACTH, IL-6, and Cor in children

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06129108

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-01-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-22 07:19

Reviewer performed review: 2022-02-06 10:51

Review time: 15 Days and 3 Hours

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 Grade E: Do not publish
Language quality	<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
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors of this study aimed to explore the clinical value of propofol combined with lidocaine-assisted anesthesia in pediatric surgery. To do this, they analyzed the pre- and postoperative HR, MAP, SpO₂, serum ACTH, IL-6, and Cor levels, restlessness score during the recovery period (PAED) and AEs of 120 children who underwent abdominal surgery. I have no objections as far as methods are concern. This topic is actual and well described. The manuscript is well written and very interesting, and authors presented also the limitations of the study. They concluded that the anesthetic effect of propofol combined with lidocaine and ketamine in pediatric surgery was better than that of ketamine alone. The article provides an essential reference for researchers in this field and provides a basis for developing a more reliable anesthesia scheme for clinical pediatric abdominal surgery. I recommend that the manuscript can be published.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06129083

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

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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
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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SPECIFIC COMMENTS TO AUTHORS

In the manuscript “Effects of propofol combined with lidocaine on hemodynamics, serum ACTH, IL-6, and Cor in children”, the authors tried to investigate the clinical value of propofol combined with lidocaine-assisted anesthesia in pediatric surgery. They performed a retrospective study of children patients who underwent abdominal surgery received ketamine or ketamine, propofol, and lidocaine for anesthesia. They conclude that the anesthetic effect of propofol combined with lidocaine-assisted ketamine for pediatric anesthesia was better than that of ketamine alone, with less influence on hemodynamics and pediatric stress response indices, lower incidence of restlessness during the recovery period, and lower incidence of adverse reactions. The topic of this work is interesting. The methods of data analysis are very clear, and the results are presented well. I suggest the authors give more details on the relationship between propofol and lidocaine in both their retrospective study and literature review.