

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 76127

Title: Effect of cardiac output - guided hemodynamic management on acute lung injury in pediatric living donor liver transplantation

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02099384

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-03-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-18 04:26

Reviewer performed review: 2022-03-27 03:44

Review time: 8 Days and 23 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 Grade E: Do not publish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 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

SPECIFIC COMMENTS TO AUTHORS

This is a randomized controlled study to examined the effect of cardiac output based perioperative care on the incidence of acute lung injury. I have some comment. 1. Please put a line number for reviewer's convenience. 2. (P1, L16) Please explain the reason the authors focused the effect on postoperative lung not kidney injury. 3. (P1, L6 from the bottom) VIS needs an explanation. 4. (P1, L4 from the bottom) IL, TNF, cTnI, NT and BNP need an explanation. 5. (P2, L4) acute kidney injury (ALI) is right? 6. (P4, L16) What is FiO₂? 7. (P4, L18) What is PETCO₂? 8. (P4, L9 from the bottom, as PRAM/Mostcare) Does it mean that CI and SVI can be monitored by PRAM/Mostcare using the data from central venous catheter and a-line in the radial artery? Is the Swan-Ganz not needed? The detail of the mechanism is needed. 9. (P5, L11 from the bottom) What is MAP? 10. (P5, L4 from the bottom) The definition of ALI should be described. 11. (P7, L3 from the bottom) Are there some data of ALI incidence after "human" liver transplantation (not rat)? I feel the incidences in the present study (45% in the control and 28 in the CO-G group) are high. 12. (P8, L4 from the bottom, P9, L17, P9 L7 from the bottom) Put a line between the subsections of Discussion section. 13. (P9, L7 from the bottom) The number of the subject was set by calculating $\alpha < 0.05$ and beta power. Please explain the authors think the sample size in the present study is still small. 14. (P9, L4 from the bottom) Put a line between the Discussion and Conclusion sections. 15. Figure legends are necessary which I can not find.

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Title: Effect of cardiac output - guided hemodynamic management on acute lung injury in pediatric living donor liver transplantation

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02984796

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-03-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-18 01:10

Reviewer performed review: 2022-04-18 01:13

Review time: 1 Hour

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
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