

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 48933

Title: The relationship between acute hypercarbia and hyperkalaemia during surgery

Reviewer's code: 00289665

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's country: United States

Author's country: Australia

Reviewer chosen by: Li-Jun Cui

Reviewer accepted review: 2019-06-04 14:38

Reviewer performed review: 2019-06-04 19:44

Review time: 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In contrast to the well-established relationship between hyperkalaemia and metabolic

acidosis, the relationship between acute respiratory acidosis and plasma potassium concentration has not been well documented. The authors performed a post-hoc study to examine the association between serum potassium and hypercarbia in 24 patients during cardiac surgery. They didn't observe a positive association between the two. The manuscript is well written, and the results are well presented and the data support their conclusion. The limitations of the study are well discussed. This study is informative to understand the relationship between acute respiratory acidosis and plasma potassium level.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No