

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 58322

**Title:** Intraoperative systemic vascular resistance is associated with postoperative nausea and vomiting after laparoscopic hysterectomy

**Reviewer's code:** 02282572

**Position:** Peer Reviewer

**Academic degree:** FEBS, MD, PhD

**Professional title:** Chief Physician, Professor, Research Scientist, Senior Lecturer

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

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

**Manuscript submission date:** 2020-07-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-07-27 12:01

**Reviewer performed review:** 2020-07-30 01:46

**Review time:** 2 Days and 13 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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



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#### **SPECIFIC COMMENTS TO AUTHORS**

In this prospective observational study, the authors have analyzed A total 228 patients who underwent elective laparoscopic hysterectomy. They investigated the relationship between SVR and PONV in patients undergoing laparoscopic hysterectomy. This topic is actual and well described. The manuscript is well written and very interesting, and authors presented also the limitations of the study. Comments 1- Needs language polishing. 2- The third paragraph of the introduction part is a bit confusing, so I don't know the key point, and it overlaps with the material method part, hope a minor revision.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 58322

**Title:** Intraoperative systemic vascular resistance is associated with postoperative nausea and vomiting after laparoscopic hysterectomy

**Reviewer's code:** 02440910

**Position:** Peer Reviewer

**Academic degree:** FCPS, MBBS, PhD

**Professional title:** Assistant Professor, Associate Professor, Research Fellow, Research Scientist

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

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

**Manuscript submission date:** 2020-07-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-07-24 07:08

**Reviewer performed review:** 2020-07-30 01:49

**Review time:** 5 Days and 18 Hours

<b>Scientific quality</b>	<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
<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</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [ ] Yes [Y] No

#### **SPECIFIC COMMENTS TO AUTHORS**

In the present study, the authors tried to observe the associations between SVR and PONV in patients undergoing laparoscopic hysterectomy. Four SVR indices including the baseline, mean, area under curve (AUC) and AUC weighted were assessed through logistic regression analysis. What's more, they compared the outcomes of PONV patients and non-PONV patients. The conclusion is that patients with high SVR mean were more likely to develop PONV. My comments are as follow: 1. Abstract: Background introduction is too cumbersome, I suggest the author make it shorter and only focus on the importance of what will be done; 2. Introduction: presents status and significance of the study; 3. Method: the paragraphs are generally well structured and explained; 4. Result: well and clearly presented with pertinent statistics. In addition, please explain why  $P < 0.1$ ? 5. The discussion should focus on the results.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 58322

**Title:** Intraoperative systemic vascular resistance is associated with postoperative nausea and vomiting after laparoscopic hysterectomy

**Reviewer's code:** 02860394

**Position:** Peer Reviewer

**Academic degree:** FEBG, MD, PhD

**Professional title:** Professor, Research Scientist

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

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

**Manuscript submission date:** 2020-07-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-07-27 12:02

**Reviewer performed review:** 2020-07-30 01:50

**Review time:** 2 Days and 13 Hours

<b>Scientific quality</b>	<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
<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



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#### **SPECIFIC COMMENTS TO AUTHORS**

The incidence of postoperative nausea and vomiting (PONV) in patients undergoing laparoscopic hysterectomy is very high, the pathogenesis of PONV is very multifactorial. GI perfusion may be attributed to some cases of PONV and an increased systemic vascular resistance (SVR) may lead to GI ischemia. The author performed a prospective observational study of the risk factors of PONV after laparoscopic hysterectomy in a single institution. And they analyzed relationship between SVR indices and occurrence of PONV and found that higher SVR mean was associated with increased risk of postoperative nausea and vomiting after laparoscopic hysterectomy. The research is well organized. I have no objections as far as methods are concern. The studied groups are properly presented, the results are presented on 2 tables and 3 figures and are clearly discussed. The references are quite appropriate to the subject of research, but I think authors can also add some recent research. The study is important in looking for measures that can reduce the occurrence of PONV.