

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Surgery

**Manuscript NO:** 63149

**Title:** Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis

**Reviewer's code:** 02726183

**Position:** Editorial Board

**Academic degree:** FACS, MD, PhD

**Professional title:** Director, Full Professor, Surgeon

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

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

**Manuscript submission date:** 2021-01-26

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-01-27 09:59

**Reviewer performed review:** 2021-01-29 20:58

**Review time:** 2 Days and 10 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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)  
<https://www.wjgnet.com>

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

Interesting piece of investigation.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Surgery

**Manuscript NO:** 63149

**Title:** Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis

**Reviewer's code:** 03261241

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-01-26

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-02-26 21:40

**Reviewer performed review:** 2021-03-13 07:17

**Review time:** 14 Days and 9 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 checked="" type="checkbox"/> Accept (General priority) <input 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



**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>

## **SPECIFIC COMMENTS TO AUTHORS**

The paper by Hao-Han Hai entitled 'Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis' is a meta-analysis that investigated the association between the administration of perioperative steroids and the occurrence of postoperative complications in patients undergoing hepatectomy. This study appropriately selected eight randomized controlled trials (RCTs) involving 590 patients using the PRISMA diagram, and the selection criteria were described. The results showed that the overall complications were significantly reduced by perioperative steroid administration, and outcomes such as improvement in serum bilirubin, CRP, and IL-6 levels were also noted. Generally, hepatectomy is a highly invasive procedure, and the effectiveness of perioperative steroid administration to postoperative course of hepatectomy is of essential concern to surgeons. Although this meta-analysis is a clinically important study, some issues need to be addressed. 1) As mentioned in the Methods section, there are many types and methods of steroid administration, and the dosage and timing of administration for each agent have been provided in this study. However, there is a difference in the potencies of hydrocortisone, methylprednisolone, and dexamethasone. Methylprednisolone and dexamethasone are reported to contain approximately 5 and 20 times potent respectively compares with hydrocortisone. We need to consider carefully to address these studies as similar RCTs, and please discuss this point. 2) As per the selection criteria for RCTs, the papers not written in English or Mandarin were excluded. However, it should be noted that the adoption of RCT only written by Mandarin would not be biased against only English RCTs. 3) PONV has been listed in the first part in the Discussion, but PONV is associated with anesthesiology and the mechanism of the steroid is considered to be different. Please explain in the Discussion if this information is required. 4) Please



**Baishideng  
Publishing  
Group**

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

provide the detailed information of complications including their extent by using the Clavien-Dindo classification if possible. 5) The article does not provide the information of any steroid-induced adverse events. It will be of interest to the readers. Although most steroid-induced infections are likely to be related to surgery, the extent of adverse events due to steroid-induced hyperglycemia and other factors should be provided if possible. 6) Please describe the statistical methods for each complication in the Methods section. 7) In Table 3, there are some reports without information of the control protocol, and please provide the information if available.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Surgery

**Manuscript NO:** 63149

**Title:** Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis

**Reviewer's code:** 02936529

**Position:** Peer Reviewer

**Academic degree:** FRCS (Gen Surg), FRCS (Hon)

**Professional title:** Chief Doctor, Professor, Surgical Oncologist

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

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

**Manuscript submission date:** 2021-01-26

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-03-12 13:24

**Reviewer performed review:** 2021-03-18 17:04

**Review time:** 6 Days and 3 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input 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 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



**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>

## **SPECIFIC COMMENTS TO AUTHORS**

Manuscript Title: 'Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis'

This meta-analysis compares eight RCTs including 590 patients, and the findings states that perioperative steroid administration is associated with significant reduction in postoperative complications, with improvement in biochemical and inflammatory markers, also. The manuscript adequately describes the background, present status and significance of the subject, and methods (data analysis, and clinical trials) in adequate detail. The authors interpret the findings adequately and appropriately, highlighting the key points concisely, and clearly, pointing their relevance to the literature stated, and the discussion is accurate and does it discuss the paper's relevance to clinical practice. The figures, diagrams and tables are of good quality and appropriately illustrative, and most of all, the manuscript meets the requirements of biostatistics (PRISMA 2009 Checklist - Evidence-Based Medicine, Systematic review, Meta-Analysis).

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastrointestinal Surgery

**Manuscript NO:** 63149

**Title:** Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis

**Reviewer's code:** 02726183

**Position:** Editorial Board

**Academic degree:** FACS, MD, PhD

**Professional title:** Director, Full Professor, Surgeon

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

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

**Manuscript submission date:** 2021-01-26

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-04-07 09:29

**Reviewer performed review:** 2021-04-07 12:22

**Review time:** 2 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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

## SPECIFIC COMMENTS TO AUTHORS





**Baishideng  
Publishing  
Group**

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

useful ms.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastrointestinal Surgery

**Manuscript NO:** 63149

**Title:** Perioperative steroid administration reduces overall complications in patients undergoing liver resection: A meta-analysis

**Reviewer's code:** 03261241

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-01-26

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-04-07 03:40

**Reviewer performed review:** 2021-04-08 09:01

**Review time:** 1 Day and 5 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



**Baishideng  
Publishing  
Group**

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

The part we pointed out had already been fixed. I think it's a great study.