

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 66319

Title: Assessment for the minimal invasiveness of laparoscopic liver resection by interleukin-6 and thrombospondin-1

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03034605

Position: Editorial Board

Academic degree: MBBS, MCh, MD

Professional title: Assistant Professor, Attending Doctor, Chief Doctor, Consultant Physician-Scientist, Surgeon

Reviewer's Country/Territory: India

Author's Country/Territory: Japan

Manuscript submission date: 2021-03-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-09 06:50

Reviewer performed review: 2021-04-14 10:11

Review time: 5 Days and 3 Hours

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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection

Re-review	<input type="checkbox"/> Yes <input checked="" 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

The authors have conducted an interesting study to compare the invasiveness of the open and laparoscopic liver resection. I have following comments regarding the manuscript:

1. Why TSP-1 was considered as a measure of invasiveness. The authors should provide appropriate reasons in the Introduction or Discussion along with references as they have done for IL-6.
2. Please mention whether there is any biological process to explain the inverse correlation between IL-6 and TSP-1.
3. The sample size of the study is very small. Please check with the statistician whether it is meaningful to perform multivariate analysis for such small sample size.
4. The incidence of complications in this study was high. Please provide the details about the major and minor complications in both the groups and compare them.
5. Please discuss whether major complications affected the postoperative IL-6 and TSP-1 levels.
6. CRP is also an useful marker of invasiveness. I believe that CRP along with IL-6 and TSP-1 should be included in this study as a marker of invasiveness.
7. Why TSP-1 on POD3 and not POD5 was used for univariate and multivariate analysis in Table 5.