

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 78966

Title: Quantitative assessment of HBV-related Portal Hypertension with CT Liver and Spleen perfusion: A Correlation Study with HVPG

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06143470

Position: Peer Reviewer

Academic degree:

Professional title:

Reviewer's Country/Territory: Reviewer_Country

Author's Country/Territory: China

Manuscript submission date: 2022-08-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-11 08:53

Reviewer performed review: 2022-08-24 13:01

Review time: 13 Days and 4 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 Grade E: Do not publish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 an interesting study of quantitative assessment of HBV-related portal hypertension with CT liver and spleen perfusion. The aim of the study is clear, and findings are well. The manuscript is well written, however, it should be edited and updated according to the journal's guideline. Moreover, the qualities of the images are not high. Please update and replace the images.

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 78966

Title: Quantitative assessment of HBV-related Portal Hypertension with CT Liver and Spleen perfusion: A Correlation Study with HVPG

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06140414

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-08-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-11 08:54

Reviewer performed review: 2022-08-24 13:02

Review time: 13 Days and 4 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
-------------------------------------	---

SPECIFIC COMMENTS TO AUTHORS

HVPG is an invasive procedure, requiring standard operational skill, which has limited its wide application for evaluation of therapeutic effect or long- term follow-up. Accumulating studies have been focused on noninvasive evaluation of HVPG, including anatomy, lab results, liver function, liver and spleen stiffness, and even computation simulation modeling. But none of these methods has demonstrated satisfactory accuracy and reproducibility. In this study, the authors explored the relationship between quantitative indices of CT perfusion with HVPG and Child-Pugh score, and to investigate feasibility of CT perfusion as a noninvasive imaging tool for HVPG in gastro-esophageal variceal bleeding induced by HBV related portal hypertension. The study is very well designed. The methods are clear, and reasonable. Results are well displayed and discussed. Also, the limit of the study is listed, and discussed. In my opinion, this study can be accepted for publication after a minor correction. Comments:

1. The manuscript requires an editing. Some minor language polishing should be corrected. May be a professional editing company can be help.
2. The abstract is missing in the manuscript, please add it.
3. Tables and figures should be moved to the end of the manuscript.
4. The references list should be edited.

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 78966

Title: Quantitative assessment of HBV-related Portal Hypertension with CT Liver and Spleen perfusion: A Correlation Study with HVPG

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06140422

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: The Netherlands

Author's Country/Territory: China

Manuscript submission date: 2022-08-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-11 08:54

Reviewer performed review: 2022-08-24 13:03

Review time: 13 Days and 4 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input type="radio"/> Grade A: Priority publishing <input checked="" type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input type="radio"/> Accept (High priority) <input checked="" type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input type="radio"/> Yes <input checked="" type="radio"/> 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

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 study was designed to explore the relationship between quantitative indices of CT perfusion with HVPG. The topic is attractive, and the findings are interesting. The reviewer found the manuscript was well written. A minor editing is required before the final publication. Thank you very much.