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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 84185

Title: Preoperative prediction of microvascular invasion in hepatocellular carcinoma using ultrasound features including elasticity

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06078839
Position: Peer Reviewer
Academic degree: MD
Professional title: Associate Professor
Reviewer's Country/Territory: China
Author's Country/Territory: China

Manuscript submission date: 2023-05-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-26 00:45

Reviewer performed review: 2023-06-08 10:17

Review time: 13 Days and 9 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Preoperative imaging including contrast enhanced CT and contrast-enhanced MRI may help in the diagnosis of microvascular invasion. With regard to ultrasonography, related studies have focused on contrast-enhanced ultrasound. Compared with CEUS, contrast-enhanced CT or MRI, SWE has the advantages of the absence of contrast agent allergy, is less expensive and less time-consuming. In this study, the authors explored the value of conventional ultrasound features and SWE in the preoperative prediction of MVI in HCC. The study is well designed and the manuscript is well written. 1. The manuscript should be edited and improved. Some spelling mistakes should be corrected. 2. The title is too long, please short it. 3. The discussion should be improved. Please focus on the main results.

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Reviewer's code: 06143422
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Associate Professor, Research Assistant
Reviewer's Country/Territory: United States
Author's Country/Territory: China

Manuscript submission date: 2023-05-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-05-30 00:45

Reviewer performed review: 2023-06-12 00:43

Review time: 12 Days and 23 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This study of values of conventional ultrasound features and shear wave elastography in preoperative prediction of microvascular invasion in HCC is very interesting. The reviewer read this manuscript with great interest. Overall, the manuscript is well written, and the results are informative and well discussed. After a minor editing, the manuscript can be accepted in the journal.