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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 80065

Title: Deep Learning-Based Radiomics Based on Contrast-Enhanced Ultrasound Predicts Early Recurrence and Survival Outcome in Hepatocellular Carcinoma

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03845518
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Professor
Reviewer's Country/Territory: Greece
Author's Country/Territory: China

Manuscript submission date: 2022-09-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-27 12:42

Reviewer performed review: 2022-09-27 12:47

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is a very interesting paper which shows the use of deep learning algorithms in liver surgery. The authors using a solid sample of patients are able to obtain significant information. Apart from the finding, the value of this study also lies in the methodology

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Peer-review model: Single blind

Reviewer's code: 05424290
Position: Editorial Board
Academic degree: MBBS, MD
Professional title: Academic Research, Doctor, Professor
Reviewer's Country/Territory: India
Author's Country/Territory: China

Manuscript submission date: 2022-09-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-22 10:42

Reviewer performed review: 2022-10-01 14:37

Review time: 9 Days and 3 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors have used CE-US based radiomics for prediction of early recurrence and survival outcomes in HCC. There are few issues. 1. They took CEA, CA125 and CA19.9 tumor markers in their assessment of HCC recurrence. However these markers are not HCC specific. How do they explain their significance in univariate analysis. 2. The authors should include the key feature of radiomics which is predicting recurrence

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Peer-review model: Single blind

Reviewer's code: 05845937
Position: Peer Reviewer
Academic degree: FCPS, MBBS, MRCP
Professional title: Assistant Professor
Reviewer's Country/Territory: Pakistan
Author's Country/Territory: China

Manuscript submission date: 2022-09-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-25 16:48

Reviewer performed review: 2022-10-06 09:22

Review time: 10 Days and 16 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [ ] Grade B: Minor language polishing [Y] 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	[ ] Yes [Y] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

See the attached file for specific comments and areas requiring improvement.