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[ ] Grade D: Fair [ ] Grade E: Do not publish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
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
PEER-REVIEW REPORT

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

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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

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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.
PEER-REVIEW REPORT

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Provenance and peer review: Unsolicted Manuscript; Externally peer reviewed

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

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SPECIFIC COMMENTS TO AUTHORS
See the attached file for specific comments and areas requiring improvement.