



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 80288

Title: Current status and future perspectives of radiomics in hepatocellular carcinoma

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03195781

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2022-09-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-22 11:36

Reviewer performed review: 2022-09-22 12:02

Review time: 1 Hour

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



**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

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The article is novel in point of view, fluent in writing, objective in position, and has consulted a large number of excellent literature. Radiomics, as a new field, has the advantage of being hard to be replaced by other methods, which can provide evidence for the treatment, evaluation of recurrence and survival rate of HCC.



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 80288

Title: Current status and future perspectives of radiomics in hepatocellular carcinoma

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06391856

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Brazil

Manuscript submission date: 2022-09-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-02 11:14

Reviewer performed review: 2022-10-09 10:59

Review time: 6 Days and 23 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript presents a high-quality updated scenario of the role of Radiomics in the hepatocellular carcinoma (HCC) management. It provides an exhaustive overview of the current evidence and it accurately highlights current limitation and future perspectives of radiomics application. The manuscript is concisely and coherently organised and presented; the style, language and grammar are accurate and appropriate. Title and key words reflect the main subject and focus of the manuscript. Abstract provides a clear and usable summary of the manuscript topics. Background, Methods, Results and Discussion are well described and reported. Figures and Tables are usable, but a few aspects have to be revised: in Table 1, the first Author of the study PMID 35626241 is Brancato V., not Croce. In Table 1, the study from Zhou et al. 2016 (PMID 27626270) analyses MRI data from 46 patients to investigate the performance of texture analysis in characterising malignancy of HCCs; another study from Zhou et al. (2017, PMID 28180924) analyses CT data from 215 patients, but it aims at developing CT-based radiomics signature and assessing its ability for preoperatively predicting the early recurrence of HCC: so number of patients and imaging modality should be corrected. From Table 2: I had some difficulties in searching the study from Xia et al, 2018 (PMID 9311419), please check if PMID reference is correct. In Table 5, all PMID of the studies reported are lacking. I would suggest to add CT/MRI/PET images (with or without segmentation) and specimens picture, if available. Bibliography includes relevant and updated references on the topic: I would suggest the Authors to consider including the article from Mokrane FZ et al, Eur Radiol 2020 (DOI: 10.1007/s00330-019-06347-w) and the systematic review and meta-analysis from Zhong X et al, Abdom Radiol (NY) 2022 (DOI: 10.1007/s00261-022-03496-3). Moreover, reference 80 is not correctly written (Title of the



**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

article) and I suppose that references 24 and 34 are not correctly reported. I suggest the acceptance of the manuscript after a minor revision and congratulate with the Authors for the good work done.