

Dear Editors and the Editorial Board,

We are sending the revised titled "*Radiomics in hepatocellular carcinoma: current status and perspectives*" (NO: 80288) after revisions kindly suggested by the editorial board.

We appreciate the suggestions and we've have made every effort to address the reviewer's comments. Thank you for the opportunity to revise our paper.

The required adjustments and suggestions are marked in the annotated version of the document using the track changes tool as well as listed below.

**Reviewer #1:**

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 organized 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.

- *Thank you. We really appreciate your comment.*

Figures and Tables are usable, but a few aspects have to be revised.

- *Thank you for highlighting topics to be revised. We appreciate your attention, and we did every effort to address your comments.*

in Table 1, the first Author of the study PMID 35626241 is Brancato V., not Croce.

- *Thank you. The last name was updated accordingly.*

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.

- *You are completely correct. The information was updated accordingly.*

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.

- *Thank you for detecting the typo. The PMID was corrected, as follows: 29311419*

In Table 5, all PMID of the studies reported are lacking.

- *Thank you for pointing it. All PMID were added.*

I would suggest to add CT/MRI/PET images (with or without segmentation) and specimens picture, if available.

- *Excellent suggestion. A new image was included.*

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).

- *Excellent suggestion. The article was included in the Table 1.*

The systematic review and meta-analysis from Zhong X et al, Abdom Radiol (NY) 2022 (DOI: 10.1007/s00261-022-03496-3).

- *Thank you. This article was included.*

Moreover, reference 80 is not correctly written (Title of the article).

- *Thank you for noticing that. The reference was corrected.*

I suppose that references 24 and 34 are not correctly reported.

- *You are completely correct. The references were updated accordingly.*

I suggest the acceptance of the manuscript after a minor revision and congratulate with the Authors for the good work done.

- *Thank you for your insightful comments.*

**Reviewer #2:** 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.

- *Thank you. We really appreciate your comment.*