PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 79491

Title: The role of radiomics in the diagnosis and treatment of gastrointestinal cancer

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05909832

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-08-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-25 20:19

Reviewer performed review: 2022-08-26 02:24

Review time: 6 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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

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

SPECIFIC COMMENTS TO AUTHORS

The authors present a very interesting editorial about the application of radiomics in different situations and different types of cancer. The text is very well written, in clear language. In addition, the structuring in the different topics is also very well done and follows a linearity that allows the reader to have a good understanding and follow the flow of ideas. A necessary modification is the addition of references. Several of the statements in the text are unreferenced. Please correct.   One suggestion is the addition of a topic suggesting a framework for implementing this methodology in clinical practice, with a good and nice summary figure. I believe this can further increase the quality and impact of the article and also show readers the real impact of this tool.

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Manuscript NO: 79491

Title: The role of radiomics in the diagnosis and treatment of gastrointestinal cancer

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05136367

Position: Peer Reviewer

Academic degree: MD

Professional title: Postdoc

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2022-08-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-25 16:38

Reviewer performed review: 2022-08-28 15:12

Review time: 2 Days and 22 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] 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	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

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

SPECIFIC COMMENTS TO AUTHORS

This editorial provides an overview of the current applications of radiomics in gastrointestinal imaging. Overall, the editorial is accurate and reports some of the current studies, despite this is not a comprehensive review of the literature.   I suggest to expand the paragraph on the limitations and future directions since this could be of most interest for the reader, rather than describing prior studies which have been summarized in several reviews in the literature. Challenges of translating radiomics from research studies   into clinical practice could be discussed, for example refer to: -van Timmeren et al. Insights Imaging. 2020 Aug 12;11(1):91. doi: 10.1186/s13244-020-00887-2. -Cannella R et al. Br J Radiol. 2021 Jun 1;94(1122):20210220. doi: 10.1259/bjr.20210220.   -Pinto Dos Santos et al. Eur Radiol. 2021 Jan;31(1):1-4. doi: 10.1007/s00330-020-07108-w.