

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 88756

Title: Computed tomography radiogenomics: A potential tool for prediction of molecular subtypes in gastric stromal tumor

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04732834

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Director, Full Professor, Surgical Oncologist

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2023-10-08

Reviewer chosen by: Huo Liu

Reviewer accepted review: 2023-12-21 17:35

Reviewer performed review: 2023-12-21 18:08

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper is beyond my expertise as far as statistical approach and radiomics studies. To my understanding you try to predict the mutation based on preoperative CT scan, but I do not understand how this will be reflected in a benefit for patients. With AUC curves of 0.7-0.8 you have a relatively good prediction but I fail to understand the clinical benefit. Your scoring system takes into account CD34 and Kit expression ,meaning you have a sample of tumor on which you can generate genetic analysis. I decline my capacity to judge you paper and ask the editor to send it to another reviewer.