

PEER-REVIEW REPORT

Name of journal: *Artificial Intelligence in Medical Imaging*

Manuscript NO: 80204

Title: Radiomics: Status quo and future challenges

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06176936

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Deputy Director, Professor, Surgeon

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2022-09-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-19 14:25

Reviewer performed review: 2022-10-25 11:27

Review time: 5 Days and 21 Hours

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 Grade E: Do not publish
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript use reliable research methods?

	<input type="checkbox"/> [41] Yes <input type="checkbox"/> [40] No Are the manuscript-accompanying data and figures authentic? <input type="checkbox"/> [51] Yes <input type="checkbox"/> [50] No Does this manuscript make scientifically significant conclusions? <input type="checkbox"/> [61] Yes <input type="checkbox"/> [60] No
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> [Y] 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"/> [Y] Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> [Y] Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> [Y] Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear Colleagues, I liked your manuscript.

PEER-REVIEW REPORT

Name of journal: *Artificial Intelligence in Medical Imaging*

Manuscript NO: 80204

Title: Radiomics: Status quo and future challenges

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03502517

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Colombia

Author's Country/Territory: China

Manuscript submission date: 2022-09-20

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-17 23:27

Reviewer performed review: 2022-11-25 18:24

Review time: 7 Days and 18 Hours

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
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript use reliable research methods?

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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

Dear authors. Thanks for letting me review your manuscript "Radiomics: Status Quo and Future Challenges". I consider the topic you have chosen is of importance for the current clinical practice. You have developed the subject in a concise and more important, understandable for the general practitioners who are not specialized in imaging techniques. Through an organized scheme you have explained step by step the different phases that are involved for producing the data, and how they could be used in the clinical practice. I guess the manuscript could be enriched if the topic is little expanded to about the legal implication for the hospitals that are selling the data to the companies dedicated to AI development.