



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62719

Title: Artificial intelligence in perioperative management of major gastrointestinal surgeries

Reviewer's code: 00735414

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: India

Manuscript submission date: 2021-01-16

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-03-02 19:35

Reviewer performed review: 2021-03-14 19:40

Review time: 12 Days

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 Grade E: Do not publish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 statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

In the article “Artificial intelligence in Perioperative Management of Major Gastrointestinal Surgeries” authors have reviewed the commonly used AI aids during the perioperative period. The way it is displayed is logical. Both surgical and anesthesiological part of patients’ treatment in perioperative care is included. What I suggest improving is the paragraph that would deal with joint, surgical and anesthetic decision making process based on ML data. While the text is interesting and provides new information about the current status of AI within perioperative care, the illustrations do not add significantly to the quality of the article, and may be improved.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: India

Manuscript submission date: 2021-01-16

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2021-04-10 17:56

Reviewer performed review: 2021-04-10 18:22

Review time: 1 Hour

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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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



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My only comment is that all the improvements expected after the introduction of AI are possible but not completely certain. Therefore verbs like "will be, will revolutionize, will accelerate or will improve" should read at least in part of the above statements "could become, could improve, could reveal" etc. As always, the introduction of new technologies carries some uncertainty. After the revision was submitted, this manuscript is acceptable for publication.