

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Surgery*

Manuscript NO: 81144

Title: Risk Factors and Prediction Model for Inpatient Surgical Site Infection after Elective Abdominal Surgery

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05639614

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2022-10-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-01 23:13

Reviewer performed review: 2022-11-10 07:59

Review time: 8 Days and 8 Hours

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 Grade E: Do not publish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



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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 author, Congratulations for this nice research which is a topic of concern but in your manuscript which is a retrospective study, i think you should also categorize abdominal operation in to elective and emergency because it will affect your results. Or modify your title to elective abd. Surgery as in emergency your variables will increased eg: working on prepared colon carries minimal risk of infection un like working on unprepared colon. So you must define your abdominal surgery elective or emergency or both.

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Manuscript NO: 81144

Title: Risk Factors and Prediction Model for Inpatient Surgical Site Infection after Elective Abdominal Surgery

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06163713

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Nigeria

Author's Country/Territory: China

Manuscript submission date: 2022-10-31

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-12-18 11:25

Reviewer performed review: 2022-12-22 21:43

Review time: 4 Days and 10 Hours

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 type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

1. The researchers were able to demonstrate the robust and all encompassing nature of their model for prediction of SSI following abdominal surgery. 2. The newly created prediction model have been proven to have higher AUC on ROC scale, with more variables cutting across various aspects of the patients in question. 3. some of the limitations include; retrospective nature of the research, it was a single centre with limited number of patients, with many variables that were recorded to be missing in the model derivation, which were eventually discarded by the researchers.