

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 71879

Title: Artificial Intelligence: emerging player in the diagnosis and treatment of digestive disease

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05140714

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoctoral Fellow, Research Fellow, Teaching Assistant

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2021-09-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-28 05:51

Reviewer performed review: 2021-09-28 10:58

Review time: 5 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input type="radio"/> Accept (High priority) <input checked="" type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input type="radio"/> Yes <input checked="" type="radio"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors present a review on the application of AI in the diagnosis and treatment of digestive disease (liver cancer, gastric cancer, benign diseases, etc.). The manuscript is well structured and easy to follow. The organization of the paper is appropriate and the tables are complete. The work effectively provides insight into the AI-based approaches being used to date for digestive system problems. I believe it may be of much interest to readers working in this research topic.

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Manuscript NO: 71879

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05872335

Position: Editorial Board

Academic degree: MS

Professional title: Academic Fellow, Research Scientist

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: China

Manuscript submission date: 2021-09-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-25 17:12

Reviewer performed review: 2021-10-02 03:25

Review time: 6 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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SPECIFIC COMMENTS TO AUTHORS

This is a very well composed manuscript with some miner grammatical errors. 1. Some phrases as "The latest clinical research on AI, ulcerative colitis, severe acute pancreatitis, and other benign diseases is summarized in Table 2." in section 4 needs rewritten. In this phrase AI seems part of the diseases mentioned. 2. Citations are where reference is given "Yao H et al established a fully automatic endoscopic disease grading video analysis system through AI." and "Namikawa K et al developed an advanced CNN (A-CNN) based on the original convolutional neural network and evaluated its applicability in the classification of gastric ulcers."