PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57010

Title: Potential applications of artificial intelligence in colorectal polyps and cancer: Recent advances and prospects

Reviewer's code: 00053888

Position: Editorial Board

Academic degree: FRCS (Gen Surg), MD

Professional title: Attending Doctor, Doctor, Surgeon

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2020-05-22

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-11 13:32

Reviewer performed review: 2020-06-11 13:54

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have reviewed the role of artificial intelligence in the diagnosis and management of colorectal cancer. This is a useful and important review and it would appear that the role is more advanced in diagnostics. I think that the authors would be better in sticking to colonoscopy and histological biopsy rather than trying to cover all fields. This would give them a more specific readership. I also think that the manuscript could probably do with a few more figures to break up the text.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57010

Title: Potential applications of artificial intelligence in colorectal polyps and cancer: Recent advances and prospects

Reviewer's code: 00068723

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor, Occupational Physician

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-05-22

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-08 23:41

Reviewer performed review: 2020-06-13 04:11

Review time: 4 Days and 4 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors reviewed artificial intelligence (AI) in colorectal cancer (CRC). The topic was relevant and attracting. The authors concluded that AI was promising and would be more practical in the future. The conclusion was agreeable. Clinical target volume and irradiation treatment was a new aspect of AI. As the authors stated that there were several programs of AI for CRC. Introduction of AI programs would be helpful and informative. For example, how the images with colonoscopy were processed, and the results.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57010

Title: Potential applications of artificial intelligence in colorectal polyps and cancer: Recent advances and prospects

Reviewer's code: 00058401

Position: Editorial Board

Academic degree: MD

Professional title: Doctor, Emeritus Professor, Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-05-22

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-15 14:10

Reviewer performed review: 2020-06-16 12:28

Review time: 22 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Congratulations for the quality of yours work

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57010

Title: Potential applications of artificial intelligence in colorectal polyps and cancer: Recent advances and prospects

Reviewer's code: 00053888

Position: Editorial Board

Academic degree: FRCS (Gen Surg), MD

Professional title: Attending Doctor, Doctor, Surgeon

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2020-05-22

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-27 16:06

Reviewer performed review: 2020-07-27 17:31

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have not really listened. Is the manuscript about colonoscopy and polyp detection using AI? Or is the manuscript about TME, MRI & CT using AI? or is the manuscript about AI in planning adjuvant/neoadjuvant treatment of colorectal cancer. Currently it is a confused manuscript and the bulk appears about colonoscopy and histopathological detection of polyps using AI and then at the end the manuscript jumps to MRI, surgery and planning neoadjuvant treatment. The authors would be best placed to concentrate on colonoscopy & polyp detection for this journal. I think the manuscript in it's current form is less suitable for this journal.