PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57059

Title: Artificial Intelligence in Gastric Cancer: Application and Future Perspectives

Reviewer's code: 01219902

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-05-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-10 00:50

Reviewer performed review: 2020-06-10 08:29

Review time: 7 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is quite a commendable review about AI technology in gastric cancer, which is written with an excellent command of English. This paper will help the public understand the potential role of AI in gastric cancer or more generally, in medicine, which we see at present and we will see in the future. I have a few comments about the MS.   #Reading the MS, I understand that the role of AI will surely increase in all clinical aspects of gastric cancer. This is, without doubt, a good perspective. But I just wonder what the authors would think about the traditional methodology/power (human, in other words, so-called `non-digital`) in the era of AI technology. Just their opinions are ok. Please describe them in the section of 'Challenges and future perspective'.   #Tables: There are three tables 1 to 3. But the second one is also termed '1', and the third one is termed '2'. Please correct this, and, accordingly, the text. #There are a few grammatical mistakes in the MS. The following lists up those I found when reviewing it. Please proofread the MS again carefully.   -Introduction, 1st paragraph, line 10-11, 'has caught considerable attention to gastric cancer': This portion of this sentence is a little difficult to understand. Is it better if it is 'has caught considerable attention in the field of gastric cancer'? -AI-assisted diagnosis in CT imaging, last line: '0.9541respectively' >>> '0.9541, respectively' -AI in prognosis prediction of gastric cancer, line 3: 'the management over patents' >>> 'the management over patients'? -AI in prognosis prediction of gastric cancer, 2nd paragraph, line 9: 'predict the recurrent' >>> 'predict the recurrence' - AI in prognosis prediction of gastric cancer, 3rd paragraph, last 2nd line: 'suffered from' >>> 'suffering from' - etc.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57059

Title: Artificial Intelligence in Gastric Cancer: Application and Future Perspectives

Reviewer's code: 03768526

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-05-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-09 07:05

Reviewer performed review: 2020-06-14 23:26

Review time: 5 Days and 16 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	[ ] Accept (High priority) [Y] 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

This is a very good review article. It is difficult to reach a certain conclusion at this time, as this field is still developing and whether or not these AI technologies will specifically change the clinical practice of gastric cancer depends on future development. However, this article is well summarized and provides a very useful overview of the field. I, the reviewer, am a surgeon, and I have seen a presentation using AI for navigation of anatomical structure identification in laparoscopic surgery. If there are similar reports in the field of gastric cancer, please add them to the article.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 57059

Title: Artificial Intelligence in Gastric Cancer: Application and Future Perspectives

Reviewer's code: 03254239

Position: Peer Reviewer

Academic degree: DNB, MBBS, MD

Professional title: Doctor, Surgeon

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2020-05-24

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-06-10 03:48

Reviewer performed review: 2020-06-23 20:04

Review time: 13 Days and 16 Hours

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) [Y] 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

The authors have given the current status and future perspectives of AI-assisted diagnosis and prognosis of Gastric Cancer in detail. This review gives a comprehensive review of the subject.