PEER-REVIEW REPORT

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

This review article is well written, including recent papers.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62488

Title: Artificial intelligence-assisted endoscopic detection of esophageal neoplasia in early stage: the next step?

Reviewer's code: 02725329

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-01-10

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2021-01-13 03:54

Reviewer performed review: 2021-01-25 06:53

Review time: 12 Days and 2 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Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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) [ ] 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

Manuscript NO: 62488 Manuscript Type: Review Manuscript Title: Artificial intelligence-assisted endoscopic detection of esophageal neoplasia in early stage: the next step?   Comments to the Author: This manuscript reviews the studies of AI in the screening of esophageal neoplasia including squamous cell carcinoma and adenocarcinoma. This manuscript is written well, and we understand the present status of AI in the detection and diagnosis of early esophageal cancer.   However, there are several questions in this manuscript, and the followings are the comments to the authors.   Minor comments: 1. In Depth of invasion diagnosis (ESCC). Authors should indicate the concrete method (such as WLI, NBI and magnifying endoscopy) to measure the depth of ESCC with AI in Tokai et al. (29) research.   2. In AI in Endoscopic Detection of BE and EAC. Is there the study that showed AI's ability to measure the depth of esophageal adenocarcinoma? Authors should present these studies if there is it. 3. How is the application status of AI in the detection and diagnosis of esophageal cancer in comparison with that of gastric cancer and colon cancer?

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Scientific quality	[Y] Grade A: Excellent [ ] 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
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Manuscript NO: 62488 Manuscript Type: Review Manuscript Title: Artificial intelligence-assisted endoscopic detection of esophageal neoplasia in early stage: the next step? Comments to Authors: Thank you for your work in revising your manuscript. I think this manuscript is enough to be accepted for publication.