

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 59803

Title: A Comparative Study on AI Systems for Detecting Early Esophageal Squamous Cell Carcinoma between Narrow-Band and White-Light Imaging

Reviewer's code: 03815241

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Greenland

Author's Country/Territory: China

Manuscript submission date: 2020-10-09

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-10-24 04:41

Reviewer performed review: 2020-10-24 04:59

Review time: 1 Hour

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] Grade E: Do not publish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 checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input checked="" type="radio"/>] Yes [<input type="radio"/>] No
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

Excellent work with reliable results

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 59803

Title: A Comparative Study on AI Systems for Detecting Early Esophageal Squamous Cell Carcinoma between Narrow-Band and White-Light Imaging

Reviewer's code: 03479326

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Physician, Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-10-09

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-10-25 02:14

Reviewer performed review: 2020-11-16 06:30

Review time: 22 Days and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting and excellent resultant study. I have just some minor comments.

1. How was the number of cases required for the training and validation sets calculated?
2. Is the images used in this study a direct view of the lesion or a bird's eye view of the lumen?
2. Page 10 Line 28. Abbreviation "NMI" is not defined.
3. Please describe the figure legends of A (CAD-WLI) and B (CAD-NBI) in Figure 5.