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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Endoscopy*

Manuscript NO: 87843

Title: Clinical usefulness of linked color imaging in identifying Helicobacter pylori infection: A systematic review and meta-analysis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00039368
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Academic Research, Associate Professor
Reviewer's Country/Territory: Estonia
Author's Country/Territory: China

Manuscript submission date: 2023-09-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-09-14 07:55

Reviewer performed review: 2023-09-18 11:10

Review time: 4 Days and 3 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
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 well-written meta-analysis paper concerning the assessment of the efficacy of linked color imaging (LCI) for H. pylori active infection versus conventional white light endoscopy on the base of analysis of articles published before April 15 2022. The authors give the extensive characteristics of selected studies and presented detailed description of inclusion and exclusion criteria applied to select literature and used the appropriate statistical methods. The present meta-analysis showed that LCI significantly improve accuracy of diagnosis on H. pylori infection, as well as H. pylori associated changes of gastric mucosa including atrophy and gastrointestinal metaplasia. The authors have reviewed and analyzed sufficient amount of literature. The review is supplied with four main and two supplementary figures.

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Reviewer's code: 02941672
Position: Peer Reviewer
Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-09-07

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-10-07 13:15

Reviewer performed review: 2023-10-09 07:08

Review time: 1 Day and 17 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
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

This review demonstrated the usefulness of LCI for the diagnosis of Helicobacter pylori infection. The authors finally analysed seven articles and found that LCI was significantly superior to WLI for the diagnosis of H. pylori infection. An article on the usefulness of LCI for the detection of gastric cancer has recently been published and should be added in introduction. J Gastroenterol (2023)58:1-13. No other amendments are considered necessary.

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Title: Clinical usefulness of linked color imaging in identifying Helicobacter pylori infection: A systematic review and meta-analysis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02510721
Position: Peer Reviewer
Academic degree: MD

Professional title: Full Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-09-07

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-10-07 14:36

Reviewer performed review: 2023-10-11 03:30

Review time: 3 Days and 12 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

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Clinical usefulness of linked color imaging in identifying Helicobacter pylori infection

The Abstract briefly shows the approach, conduct and results of the study.

The Introduction develops knowledge on the pathogenetic role played by H pylori in relation to the development of gastric cancer. The important function of diagnostic methods for H pylori infection followed by effective eradication therapy is therefore emphasised.

The methods of Literature search strategy, Study inclusion and exclusion, Data extraction and quality assessment, Risk of bias assessment are chosen and applied correctly. The statistical analysis is also correct.

The results correspond to the study setting and are credible.

The discussion illustrates well the various aspects of the general theme. However, it seems useful to me to introduce the explanation, even a summary one, of the action of H pylori in the development of gastric cancer. Furthermore, it should be clarified whether the LCI and WLI methods demonstrate the presence of H pylori infection or histopathological changes of the infection on the mucosa or both, as written in the study. Explanations are needed for this aspect.

The References are appropriate and up to date.

The Figures are clear and well integrated into the manuscript.