



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Endoscopy

**Manuscript NO:** 54799

**Title:** Efficacy of various endoscopic modalities in detecting dysplasia in ulcerative colitis: A systematic review and network meta-analysis

**Reviewer's code:** 03666697

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** Taiwan

**Author's Country/Territory:** United States

**Manuscript submission date:** 2020-02-18

**Reviewer chosen by:** Ying Dou

**Reviewer accepted review:** 2020-02-24 13:31

**Reviewer performed review:** 2020-03-08 07:56

**Review time:** 12 Days and 18 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

This systematic review and network meta-analysis reported the rate of dysplasia per biopsy and per patient among four different endoscopic methods (WL SD, WL HD, CE HD, and NBI HD), as well as the number of dysplasia per patient. The manuscript is well written. However, there are some comments to the authors. 1. The word "neoplasia" in the title may have to be replaced with "dysplasia" to reflect the focus of the report on the manuscript. 2. Did the dysplasia in this study include low-grade or high-grade dysplasia, or both? This must be stated in the manuscript. 3. Many hospitals may not have high-definition endoscopic equipment. In this case, CE/NBI may be an option to improve the diagnosis rate. Therefore, why didn't the authors include CE SD or NBI SD in this network meta-analysis? 4. A major mistake: this study included 7 RCTs and cited them as references 33-43. However, references 33-43 were the studies reporting on eosinophilic esophagitis. 5. A minor mistake: In "Comparison of dysplasia detection rates per biopsy" section, the first sentence "A shown in Supplementary Figure 1A" should be corrected.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Endoscopy

**Manuscript NO:** 54799

**Title:** Efficacy of various endoscopic modalities in detecting dysplasia in ulcerative colitis: A systematic review and network meta-analysis

**Reviewer's code:** 05272457

**Position:** Peer Reviewer

**Academic degree:**

**Professional title:**

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** United States

**Manuscript submission date:** 2020-02-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-02-19 16:24

**Reviewer performed review:** 2020-03-10 04:52

**Review time:** 19 Days and 12 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

This article titled "Efficacy of various endoscopic modalities in detecting neoplasia in ulcerative colitis: a systematic review and network meta-analysis" is a well-written article which compared the efficacy of WL SD, WL HD, NBI HD, and CE HD in detecting dysplasia in UC through systematic review. The original finding of this article is "WL SD was inferior in detecting dysplasia in UC" when compared with WL HD, NBI HD, and CE HD. In the discussion part, it should be figured out not only the direction of associated research but the future clinical directions of the topic described in this field.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 03666697

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** Taiwan

**Author's Country/Territory:** United States

**Manuscript submission date:** 2020-02-18

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-04-27 14:02

**Reviewer performed review:** 2020-04-29 14:08

**Review time:** 2 Days

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS



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The revised manuscript is fine. This systematic review and network meta-analysis can help endoscopists choose a more appropriate way to monitor dysplasia in UC patients.