

## PEER-REVIEW REPORT

**Name of journal:** Artificial Intelligence in Gastrointestinal Endoscopy

**Manuscript NO:** 67773

**Title:** Current situation and prospect of artificial intelligence application in endoscopic diagnosis of Helicobacter pylori infection

**Reviewer's code:** 05186998

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Assistant Professor

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

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

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**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-02 04:25

**Reviewer performed review:** 2021-05-05 08:37

**Review time:** 3 Days and 4 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 Grade E: Do not publish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 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 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 checked="" 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**

The authors reviewed the current conditions and outlook about the diagnosis of the HP infection. The Abstract and the Text are well written. However, there remain some concerns following the below comments. Comments: “Significance of endoscopic diagnosis of H. pylori infection” 1. The introduction pages are somewhat redundant. The explanation of Kyoto classification (From line 10 – line 4 (next page)) should be summarized intermittently. 2. And then, several previous reports have described.... ...undifferentiated type. This paper reviewed about the diagnosis of HP infection. Hence, personally, this part seems unnecessary. “AI-assisted endoscopic diagnosis of H. pylori infection” 3. Please add the table about the characteristics of current reported AI-assisted HP diagnosis model. 4. All of the above studies used WLI to build the CAD system... Ref 49-51 didn’t show the advantage of BLI or NBI as far as the diagnosis of HP infection. “Reference” 5. In the reference part, ref 51 has unnecessary part between PMCID and DOI.