

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 58783

**Title:** PCR-based tests for detecting Helicobacter pylori clarithromycin resistance in stool samples: A meta-analysis

**Reviewer's code:** 00503623

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-08-06

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2020-10-22 13:45

**Reviewer performed review:** 2020-10-22 15:35

**Review time:** 1 Hour

<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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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 manuscript, 58783, reports on the reliability of PCR-based test for detecting *Hp* clarithromycin resistance in stool samples. Based on the pertinent literature data obtained with 592 patients, the authors concluded that PCR-based test on stool samples has a high diagnostic accuracy for detecting clarithromycin resistance in patients infected with *Hp*. The presented results are thus in contrast to the conclusion reached earlier by Brennan et al (re. 19) that stool samples are not suitable for the accurate detection of *Hp* clarithromycin resistance. Hence, the results of the current study, if confirmed, could offer highly reliable and noninvasive convenience of using stool samples for detecting clarithromycin resistance in *Hp* patients. Minor: The repetitious statement that “*H. pylori* is closely related to a variety of gastric diseases” should be modified to read “is closely associated with the etiology of a variety of gastric diseases”. There are also several typos throughout the text.