

## PEER-REVIEW REPORT

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

**Manuscript NO:** 40894

**Title:** Helicobacter pylori may be an initiating factor in newly diagnosed ulcerative colitis patients: A pilot study

**Reviewer's code:** 00034489

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-19

**Date reviewed:** 2018-07-26

**Review time:** 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input checked="" type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The authors show that H.pylori may associate with UC. The idea is very interesting. However, there are several major concerns with regards to the investigation. Please see below. Major Points 1) The H.pylori in the colon, which is identified by your



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institution, should be clearly demonstrated by several Figures, ex. Giemsa, immunohistochemical staining, and electron microscopic Figures if possible. 2) Usually, it is very difficult to discriminate between chronic nonspecific colitis and early microscopic features of UC by pathological approach. The differences should be clearly demonstrated by your pathological Figures. 3) There is a high possibility that the improving UC inflammation by H.pylori eradication therapy is caused by disinfection of another bacteria. The authors should discuss on this point. Minor points 1) Table 6 is unnecessary. 2) H.pylori is written in italic. 3) There are several spelling errors. Please check carefully.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 40894

**Title:** Helicobacter pylori may be an initiating factor in newly diagnosed ulcerative colitis patients: A pilot study

**Reviewer's code:** 00058340

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-07-19

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**Review time:** 7 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
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<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
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publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of important clinically issue. The concept is challenging. The title reflect the main subject/hypothesis of the manuscript, but I suggest changing "initiative factor" to initiating factor. Abstract summarize and reflect the work

described in the manuscript, the key words reflect the focus of the manuscript

Comments 1) While *Helicobacter pylori* polyclonal antibody was used, a possibility that this antibody reacts with other *Helicobacter* species, e.g. *H. enterohepaticus* or other bacteria cannot be excluded, and there is no information regarding this on the ThermoFisher website. Current view is that *H. pylori* growth and survival is dependent on acid and colon has rather a neutral pH. These issues should be discussed.

2) It would be very important to provide well labelled figures showing histologic slides and to discuss bacterium localization – cellular or extracellular, its affinity to specific cells etc.

3) The paper requires correction of some errors and style, e.g. in some areas Geimsa is misspelled; “*Helicobacter pylori* was significantly higher in UC than in controls” should be rephrased and reference to Streutker CJ et al. in the text (#16) should be corrected. In references it is #15. The authors may consider to use references listed below

Lord AR et al. Protective effects of *Helicobacter pylori* for IBD are related to the cagA-positive strain. *Gut*. 2018 Feb;67(2):393-394. Wu XW1, et al. *Helicobacter pylori* infection and inflammatory bowel disease in Asians: a meta-analysis. *World J Gastroenterol*. 2015 Apr 21;21(15):4750-6. doi: 10.3748/wjg.v21.i15.4750. Shen Z, et al. *Helicobacter saguini*, a Novel *Helicobacter* Isolated from Cotton-Top Tamarins with Ulcerative Colitis, Has Proinflammatory Properties and Induces Typhlocolitis and Dysplasia in Gnotobiotic IL-10-/- Mice. *Infect Immun*. 2016 Jul 21;84(8):2307-2316. doi: 10.1128/IAI.00235-16. Lertpiriyapong K, et al Pathogenic properties of enterohepatic *Helicobacter* spp. isolated from rhesus macaques with intestinal adenocarcinoma. *J Med Microbiol*. 2014 Jul; 63(Pt 7):1004-16.

## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

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