



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 56160

**Title:** Helicobacter pylori infection with Atrophic Gastritis: An independent risk factor for colorectal adenomas

**Reviewer's code:** 00052643

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-04-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-04-22 12:24

**Reviewer performed review:** 2020-04-25 15:21

**Review time:** 3 Days and 2 Hours

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[ ] Grade D: Fair [ ] Grade E: Do not publish                                 |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



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

"Helicobacter pylori infection with Atrophic Gastritis: An independent risk factor for colorectal adenomas" is an interesting paper. Study is well designed and sample size is wide. I have really appreciated the discussion section.



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 56160

**Title:** Helicobacter pylori infection with Atrophic Gastritis: An independent risk factor for colorectal adenomas

**Reviewer's code:** 03733959

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-04-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-04-22 12:25

**Reviewer performed review:** 2020-04-27 04:48

**Review time:** 4 Days and 16 Hours

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><input checked="" 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<br><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)<br><input type="checkbox"/> Minor revision <input checked="" 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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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

This research studied the correlation between *Helicobacter pylori*, atrophic gastritis and colorectal adenomas. Authors conducted a retrospective study on 6018 health-check population, using Logistic regression mode to study the association between the *Helicobacter pylori*, atrophic gastritis and colorectal adenomas, and found that *H. pylori*-related AG is to be an independent risk factor for colorectal adenomas in China. Thus the study suggests that colonic polyps should be screened by colonoscopy in patients with HP-positive atrophic gastritis. In this study, we have some questions need to be reply. first, In table 4-6, authors discussed the association among *helicobacter pylori* infection, atrophic gastritis, and colorectal neoplasm. In terms of grouping, it was divided into four groups: the non-polyp group, the non-adenomatous polyp group, the adenoma group, and advanced adenoma group. But the adenoma group included the advanced adenoma group, we suggested the comparison among the non-polyp group, the non-adenomatous polyp group and the adenoma group, and then further compared the non-advanced adenoma group and advanced adenoma group. Or authors can directly compare the association among the non-polyp group, the non-adenomatous polyp group, non-advanced adenoma group and advanced adenoma group. Second, authors defined the advanced colorectal adenoma as an adenoma that had high-grade dysplasia, was  $\geq 10$  mm in diameter, significant villous component or any combination thereof. In the chapter "Baseline characteristics of eligible Subject ", it said there were 143 advanced adenomas. But in the table 2, we found that villous adenoma, Size of adenoma  $\geq 10$ mm and High-grade dysplasia were not calculated into advanced group. Please regroup correctly. Looking forward to the author's reply.



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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 56160

**Title:** Helicobacter pylori infection with Atrophic Gastritis: An independent risk factor for colorectal adenomas

**Reviewer's code:** 00068978

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

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

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**Reviewer accepted review:** 2020-04-23 21:23

**Reviewer performed review:** 2020-04-27 07:19

**Review time:** 3 Days and 9 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<br><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 type="checkbox"/> Grade B: Minor language polishing<br><input checked="" 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)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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## **SPECIFIC COMMENTS TO AUTHORS**

I read with great interest the manuscript by Chen et al. entitled: Helicobacter pylori infection with Atrophic Gastritis: An independent risk factor for colorectal adenomas. It is true that HP has been implicated in the pathophysiology of numerous extragastric diseases (neurological, dermatological, hematologic, cardiovascular, metabolic, allergic, hepatobiliary) with numerous review articles published over the last years. Regarding CRC adenomas/cancer data are still scarce and contradictory. So this study, even a retrospective one, holds some scientific merit. However, I have some minor comments that need to be addressed.

1. Not all patients did the 13-urea test + the gastric histology. As being said by the authors in the ABSTRACT and the MATERIAL AND METHODS section the reader is confused. Besides, it is hard to believe that no patient had a rapid urease test during gastroscopy to confirm HP infection. PLEASE ELABORATE
2. All patients had a upper and lower endoscopy in 2 days. WHY? what were the indications for that? DO you have a simultaneous endoscopy protocol in your clinic? PLEASE ELABORATE
3. Why did biochemical parameters such as HDL, LDL etc were recorded in all patients? Is there some protocol for that as well in your department? Besides that, why did you choose to incorporate them into your manuscript and did not choose other biochemical parameters? PLEASE ELABORATE
4. The authors state that "As a whole, subjects with adenoma had older age, higher BMI, SBP, DBP, TC, TG, LDL, FBG and lower HDL-C." What does BP or biochemical have to do with adenomas? PLEASE ELABORATE
5. Figure 1 should be left out
6. you should start the DISCUSSION section with the paragraph that reads: "Various interpretations may explain the mechanisms by which H. pylori infection and atrophic gastritis increases the risk for colorectal adenomas..."
7. The authors state concluding that "Due to the high prevalence of colorectal adenocarcinoma in Chinese population, strict colonoscopy



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screening and surveillance is necessary for patients with H. pylori infection and especially with H. pylori-related AG." GIVEN THE STUDY LIMITATIONS and the fact that data from other studies are inconclusive, the authors should TONE DOWN their concluding remarks. KEEP IN MIND THAT this study pertains only to Chinese patients; Worldwide where the incidence of CRC cancer is different, this CAN NOT BE THE CASE. PLEASE ELABORATE LASTLY, THE MANUSCRIPT HAS TO BE EDITED BY A NATIVE ENGLISH LANGUAGE SPEAKER



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 56160

**Title:** Helicobacter pylori infection with atrophic gastritis: an independent risk factor for colorectal adenomas

**Reviewer's code:** 00052643

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-04-21

**Reviewer chosen by:** Ji-Hong Liu (Technical Editor)

**Reviewer accepted review:** 2020-07-16 12:17

**Reviewer performed review:** 2020-07-16 12:21

**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<br><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<br><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)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

### SPECIFIC COMMENTS TO AUTHORS



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Authors have done the requested modifications. Article is now ready for publication.