

April 9rd, 2021

Editor-in-Chief

World Journal of Gastroenterology

Re: NO: 62810, entitled "Early diagnosis gene of clarithromycin-resistance in *Helicobacter pylori*".

Dear Editor:

Thank you for your letter and for the reviewers' comments concerning our manuscript. Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have revised the manuscript with the help of the experts from native speaking countries and improved the quality of manuscript thoroughly based on the reviewers' comments . We have addressed the reviewers' comments point by point as shown below. We hope that our responses are satisfactory and the revised manuscript is acceptable for publication.

Once again, thank you very much for your comments and suggestions.

Yours sincerely,

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**Responds to the reviewer's comments:**

1. We have carefully revised and polished with red color marks with the help of the experts from native speaking countries.
2. The reviewer 3 proposed that the references are missing in the the discussion parts, such as "the RNA expressions of hp1181 and hp1184 were increased with the emergence of clarithromycin resistance with hp1184 showing the fast increase, these genes are also involved in the regulation of drug resistance and may be one of the

mechanisms of Hp resistance to clarithromycin." These belonged to the important findings of our paper, so no references were needed. No other mistakes or omissions were found in other parts of the paper. The DOI numbers and all authors of the references have been added according to the format of this journal.

3. The uneditable table has been modified, and the original drawing has been sorted out with PPT.
4. According to the requirements of the journal, we have made appropriate supplements and modifications, such as "Core tip" and "ARTICLE HIGHLIGHTS".
5. The funding certificates of the project have been uploaded.