

Dear Editors of *World Journal of Gastroenterology*

We appreciate your kind and instructive comments for our submitted manuscript (No.:20405, Column: Basic Study, Title: "Effect of gingerol on colonic motility via inhibition of calcium channel current "). Following the comments from the reviewers, we revised our manuscript, and our replies to the comments are showed as follows.

**Responses to the Comments from editors:**

1. "Institutional review board statement; Institutional animal care and use committee statement: ; Conflict-of-interest statement ; Data sharing statement..." has been added on title page.
2. The abstract has been rewritten in accordance with the requirements.
3. The hyperlink of references has been deleted.
4. The comments have been rewritten in accordance with the requirements.

**Responses to the comments from Referee:**

This is a good, solid study with some flaws in data presentation: 1. Part of the Discussion, which should refer to newly obtained data (Page 8: "In our study... involves intracellular calcium store depletion") repeats paragraphs from the Results section. Needs thorough revision. 2. Fig2A has no sense if alone. Should be placed in one line with a panel similar to Fig1A - only then it is clear to see in the sample tracing that nifedipine modulates the action of gingerol.

1. Part of the Discussion, which should refer to newly obtained data (Page 8: "In our study... involves intracellular calcium store depletion") repeats paragraphs from the Results section. Needs thorough revision.

*In reply:*

Thank you for your suggestion! I have revised the part of discussion.

2. Fig2A has no sense if alone. Should be placed in one line with a panel similar to Fig1A - only then it is clear to see in the sample tracing that

**nifedipine modulates the action of gingerol.**

*In reply:*

First of all, I totally agreed with you that Fig2A has no sense if alone. However, it is not alone to Fig2A. From Fig1A, we concluded gingerol inhibited spontaneous contraction of colonic longitudinal smooth muscle in rats. To further investigate the mechanism of the gingerol-induced inhibition of spontaneous contraction, the effect of gingerol on gastric motility was observed in the presence of nifedipine, an L-type calcium channel blocker. Nifedipine was found to diminish the gingerol-induced colonic motility inhibition. When we analyzed Fig2A, we had already considered the results of Fig1A. The results of Fig1A and Fig2A together concluded that nifedipine diminish the gingerol-induced colonic motility inhibition. So, they were placed in one line. Thank you so much your comments.

Finally, all of the revisions of the revised manuscript have been highlighted in the updated version of the manuscript.

Thank you very much!

Best regards.

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