

July 21, 2023
Dr. Andrzej S. Tarnawski, DSc, MD, PhD
Editor-in-Chief, *World Journal of Gastroenterology*

Dear Dr. Tarnawski,

We are grateful for the review of our manuscript, "Diabetes exacerbates inflammatory bowel disease in mice with diet-induced obesity" (Manuscript ID 86362). We appreciate the time and effort involved in providing these valuable comments that serve to improve the current version of our manuscript. The authors have carefully considered the comments and have sought to address each point. We are confident that the revised manuscript meets your high standards and will be of broad interest to your readership.

Below, we provide a point-by-point response to reviewer comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. L. Francis', with a stylized flourish at the end.

Kendra L. Francis, MD
Kendra.francis@seattlechildrens.org
Seattle Children's Hospital, Gastroenterology and Hepatology
University of Washington School of Medicine

Point-by-Point Response:

Reviewer #1

“In the present experimental model of colitis, Francis et al showed that induction of hyperglycaemia results in more severe colitis index and alterations of tight junctions and colonic mucins composition. The paper is well written and the design of the study is adequate.”

Thank you for the feedback.

“My only comment is that Authors affirmed that treatment of hyperglycaemia leads to colitis reversal. However, the improvement is not so straightforward, as shown in figures, therefore conclusions should be more cautious.”

We appreciate this insight and have revised the Discussion section to be more cautious in our interpretation in this set of data. See Discussion, page 17.

“Most of the discussion is based on basic science studies. Authors should report as well the effect of diabetes or obesity as well on humans with IBD (see World J Gastroenterol. 2020;26(47):7528-7537; Dig Liver Dis. 2023;55(5):580-586).”

Thank you for highlighting these important articles that reference the effects of diabetes and obesity on humans with IBD. We have incorporated these articles to both the Introduction and Discussion sections to enhance the translational relevance of our work. See Introduction, page 5 and Discussion, page 16.

Reviewer #2

Reviewer #2 provided no specific comments on which to improve. We note that they provided a Grade C for language quality. We have submitted the manuscript to a professional language editing service and have included the accompanying certificate. We welcome any further specific feedback to incorporate into our revised manuscript.

Certificate Service Confirmation

To Whom It May Concern,

Filipodia provided comprehensive editing services for **Manuscript NO: 86362** (**Diabetes exacerbates inflammatory bowel disease in mice with diet-induced obesity**) by **Francis KL *et al.***, which is under consideration for publication in your journal. The edit has achieved Grade A: priority publishing; no language polishing required after editing.

Should you require any additional information, please do not hesitate to contact me.



Jennifer C van Velkinburgh, PhD
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