



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 106406

Title: Comparative study on the pathogenesis of Crohn's disease and ulcerative colitis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08198617

Position: Peer Reviewer

Academic degree and professional title: Academic Editor, Lecturer, PhD

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2025-02-25

Reviewer chosen by: Shang Wu

Reviewer accepted review: 2025-03-07 12:26

Reviewer performed review: 2025-03-20 17:26

Review time: 13 Days and 4 Hours

Content to be reviewed	Does the manuscript's content fall within the scope of the journal? Yes Is there any Key Word that is not included in the manuscript title? No Do authors' affiliations correspond to the content of the manuscript? Yes Does the Abstract contain the contents of each part of the manuscript (IMRaD)? No Are the Key Words complete? Yes Is the content of the Introduction adequate? Yes
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	<p>Are the quality and resolution of the images up to standard? Yes</p> <p>Do the selection and design of the figures and tables follow the principles of necessity and clarity? Yes</p> <p>Is there any duplication between various parts of the manuscript and between the main text and the content presented in the figures and tables? No</p> <p>Are the figures and tables numbered consecutively in the order in which they appear in the manuscript? Yes</p> <p>Is the Conclusion reasonable? Yes</p> <p>Are all references necessary and reasonable? Yes</p> <p>Do authors omit important references? No</p> <p>Are all references related to the topic of the manuscript? Yes</p> <p>Do authors only cite their own earlier publications? No</p> <p>Is the manuscript's text correct, concise, and clear? Yes</p> <p>Will the manuscript's content be of interest to readers? Yes</p> <p>Are additional experiments needed for the study? No</p> <p>Does the research scope comply with ethics? Yes</p>
Scientific quality	Grade A (Excellent)
Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade B (Very Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes



Does this manuscript report a revolutionary innovation?	No
Does this manuscript report an unconventional innovation?	No
Conclusion	Accept
Re-review	No
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No

SPECIFIC COMMENTS TO AUTHORS

The article provides a comprehensive overview of the pathophysiological differences between Crohn's disease and ulcerative colitis. A detailed discussion on recent specific molecular pathways involved in each condition, also, advancements in genetic and microbiome research included. However, I recommend further clarification on the comparison of current therapeutic approaches tailored to each disease's pathogenesis would provide valuable insights for clinicians. The organization of the manuscript is commendable, as it presents the information in a logical and coherent manner. Each section flows smoothly into the next, making it easy for readers to follow the comparative analysis of Crohn's disease and ulcerative colitis. The title accurately and concisely reflects the core focus of the manuscript. The abstract effectively summarizes the key findings and objectives of the review, providing a clear overview of the comparative aspects of Crohn's disease and ulcerative colitis. However, it could benefit from a more concise statement of the main conclusions drawn from the analysis. Including specific insights or implications for clinical practice would enhance its impact and relevance to the reader. The keywords selected for the manuscript are relevant and effectively capture the main themes of the review. However, it may be beneficial to include additional keywords that reflect specific aspects of the pathogenesis discussed in



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the article, such as "immune response," "microbiome," or "genetic factors." This would enhance the manuscript's discoverability and ensure it reaches a broader audience interested in these specific areas of research. The introduction provides a solid foundation for the review, clearly outlining the significance of studying the pathogenesis of Crohn's disease and ulcerative colitis. It effectively sets the stage for the comparative analysis that follows. The conclusion succinctly reiterates the main points discussed in the manuscript and emphasizes the importance of understanding the distinct pathophysiological mechanisms of Crohn's disease and ulcerative colitis. To strengthen this section, consider adding recommendations for future research directions or clinical applications based on the findings presented. This would provide a forward-looking perspective that could inspire further investigation in the field. The references cited in the manuscript are relevant and up-to-date, reflecting a comprehensive review of the current literature on Crohn's disease and ulcerative colitis. The manuscript would benefit from the inclusion of an abbreviations section, as the absence of this section may hinder readability, especially for readers who may not be familiar with all the terms used. A dedicated list of abbreviations and their corresponding meanings would enhance clarity and allow for quicker comprehension of the text. This is particularly important given the complex terminology associated with Crohn's disease and ulcerative colitis. Including this section will improve the overall accessibility of the manuscript for a wider audience. The figures and tables included in the manuscript are exceptionally well-designed and serve to enhance the overall presentation of the data. Each figure is clear and visually appealing, effectively illustrating key concepts and findings related to Crohn's disease and ulcerative colitis. The table is well-organized, providing concise summaries that facilitate quick reference and comparison. Together, these visual elements significantly enrich the reader's understanding of the content and contribute to the manuscript's overall clarity and impact. Great job in utilizing visuals to support the



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narrative. I appreciate the effort you put into it. I wanted to point out a small spelling mistake I noticed: [21st century]. I hope this helps in refining your work further.



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Manuscript NO: 106406

Title: Comparative study on the pathogenesis of Crohn's disease and ulcerative colitis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08471488

Position: Peer Reviewer

Academic degree and professional title: MD

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2025-02-25

Reviewer chosen by: AI Editor

Reviewer accepted review: 2025-02-26 18:42

Reviewer performed review: 2025-03-21 03:14

Review time: 22 Days and 8 Hours

Content to be reviewed	Does the manuscript's content fall within the scope of the journal? Yes Is there any Key Word that is not included in the manuscript title? Yes Do authors' affiliations correspond to the content of the manuscript? Yes Does the Abstract contain the contents of each part of the manuscript (IMRaD)? Yes Are the Key Words complete? Yes Is the content of the Introduction adequate? Yes
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	<p>Is the content of the Materials and Methods complete? Yes</p> <p>Is the description of the experiments clear and complete? Yes</p> <p>Are the experimental data presented in the manuscript's biostatistics content reliable? Yes</p> <p>Are the experimental data of the Results true and reliable? Yes</p> <p>Are the quality and resolution of the images up to standard? Yes</p> <p>Do the selection and design of the figures and tables follow the principles of necessity and clarity? Yes</p> <p>Is there any duplication between various parts of the manuscript and between the main text and the content presented in the figures and tables? No</p> <p>Are the figures and tables numbered consecutively in the order in which they appear in the manuscript? Yes</p> <p>Is the content of the Discussion reasonable? Yes</p> <p>Is the Conclusion reasonable? Yes</p> <p>Are all references necessary and reasonable? Yes</p> <p>Do authors omit important references? No</p> <p>Are all references related to the topic of the manuscript? Yes</p> <p>Do authors only cite their own earlier publications? No</p> <p>Is the manuscript's text correct, concise, and clear? Yes</p> <p>Will the manuscript's content be of interest to readers? Yes</p> <p>Are additional experiments needed for the study? No</p> <p>Does the research scope comply with ethics? Yes</p>
<p>Scientific quality</p>	<p>Grade B (Very good)</p>



Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade C (Good)
Scientific significance of the conclusion in this manuscript	Grade B (Very Good)
Language quality	Grade C (Good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	No
Does this manuscript report an unconventional innovation?	No
Conclusion	Minor revision
Re-review	Yes
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No

SPECIFIC COMMENTS TO AUTHORS

Summary: The authors submit their original work of a mini review regarding pathogenesis of IBD. I would like to thank the authors for their hard work on submitting this manuscript and I enjoyed reading their outcomes. Their hard work is admirable. While I do think the current work may be worthy of publication as this type of comparison has rarely been done before, I would recommend the authors address the minor issues listed below before further consideration. Abstract: No additional recommendations Manuscript: -Would recommend including a paragraph in the intestinal microbes disorder section detailed if fecal microbiota transplantation is beneficial Other minor edits: Can the authors check that the entire manuscript be written in the past tense? Again, I applaud the authors for their hard work. I look forward to



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reading the revised manuscript.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 106406

Title: Comparative study on the pathogenesis of Crohn’s disease and ulcerative colitis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 08471488

Position: Peer Reviewer

Academic degree and professional title: MD

Reviewer’s Country/Territory: United States

Author’s Country/Territory: China

Manuscript submission date: 2025-02-25

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2025-03-28 23:48

Reviewer performed review: 2025-03-29 00:26

Review time: 1 Hour

Content to be reviewed	<p>Does the manuscript’s content fall within the scope of the journal? Yes</p> <p>Is there any Key Word that is not included in the manuscript title? No</p> <p>Do authors’ affiliations correspond to the content of the manuscript? Yes</p> <p>Does the Abstract contain the contents of each part of the manuscript (IMRaD)? Yes</p> <p>Are the Key Words complete? Yes</p> <p>Is the content of the Introduction adequate? Yes</p>
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Is the content of the Materials and Methods complete?

Yes

Is the description of the experiments clear and complete? **Yes**

Are the experimental data presented in the manuscript's biostatistics content reliable? **Yes**

Are the experimental data of the Results true and reliable? **Yes**

Are the quality and resolution of the images up to standard? **Yes**

Do the selection and design of the figures and tables follow the principles of necessity and clarity? **Yes**

Is there any duplication between various parts of the manuscript and between the main text and the content presented in the figures and tables? **No**

Are the figures and tables numbered consecutively in the order in which they appear in the manuscript? **Yes**

Is the content of the Discussion reasonable? **Yes**

Is the Conclusion reasonable? **Yes**

Are all references necessary and reasonable? **Yes**

Do authors omit important references? **No**

Are all references related to the topic of the manuscript? **Yes**

Do authors only cite their own earlier publications? **No**

Is the manuscript's text correct, concise, and clear? **Yes**

Will the manuscript's content be of interest to readers?
Yes

Are additional experiments needed for the study? **No**

Does the research scope comply with ethics? **Not**

Applicable



Scientific quality	Grade B (Very good)
Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade C (Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	No
Does this manuscript report a revolutionary innovation?	No
Does this manuscript report an unconventional innovation?	No
Conclusion	Accept
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No

SPECIFIC COMMENTS TO AUTHORS

No further comments. Thank you for your edits. Acceptable for publication. Thank you