

## PEER-REVIEW REPORT

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

**Manuscript NO:** 88755

**Title:** Causal associations between inflammatory bowel disease and anxiety: A bidirectional Mendelian randomization study

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03478404

**Position:** Editor-in-Chief

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2023-10-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-10-28 13:36

**Reviewer performed review:** 2023-10-29 14:29

**Review time:** 1 Day

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <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) <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
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

I truly congratulate the study team for writing such a good manuscript, for their idea and design. The manuscript is the first of its kind. Results are of crucial importance for our practice, in order to benefit our patients. All paragraphs contain the necessary data. The manuscript is well-written, with attention to details. I just have some minor comments: 1. Abstract: please mention the population included – adults, children or both. Same in the whole manuscript (databases). 2. Discussion: Please remove the studies that you already inserted in Introduction. This paragraph is otherwise nicely conceived. Strengths and limitations are also included. Maybe some proper directions for future research could be included, it would be very interesting. References that could be added in Discussion: \*Cooney R, et al. Inflamm Bowel Dis 2023 Aug. Children and Young Adults With IBD Have an Increased Incidence and Risk of Developing Mental Health Conditions: A UK Population-Based Cohort Study \* Arp L, et al. JCC 2022 dec. Psychiatric Disorders in Adult and Paediatric Patients With IBD - A Systematic Review and Meta-Analysis. 3. Unfortunately, Supplementary Tables 1-5 were not available for the reviewer, while they would have been very useful. 4. Core Tip is not

included in the manuscript. Please add. 5. The certificate for non-native English speakers is missing. Please add. 6. Authors' ORCID Numbers are missing. Please add. 7. The format of the manuscript is not the one requested by the WJG, including references. Please correct.

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**Title:** Causal associations between inflammatory bowel disease and anxiety: A bidirectional Mendelian randomization study

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03700188

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Adjunct Professor, Attending Doctor

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

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

**Manuscript submission date:** 2023-10-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-10-18 01:56

**Reviewer performed review:** 2023-11-01 01:44

**Review time:** 13 Days and 23 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <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) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

I find the manuscript well written. The abstract summarizes and reflects the work described in the manuscript appropriately. The key words reflect the focus of the manuscript appropriated. The manuscript describes the background and presents status and significance of the study adequately. The authors describe methods well. The manuscript interprets the findings adequately and appropriately, and the findings and their relevance to the literature stated are written in a clear manner. The manuscript meets the requirements of biostatistics. The manuscript meets the requirements of use of SI units. The manuscript appropriately cites the latest, important, and authoritative references in the Introduction and Discussion sections. I would just suggest that authors standardize how to cite scientific journals. I noticed that some are in capital letters and others are in normal letters.