

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 91582

Title: Bowel function and inflammation: Is motility the other side of the coin?

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03307766

Position: Editorial Board

Academic degree: MD, MSc, PhD

Professional title: Associate Professor, Director, Doctor

Reviewer's Country/Territory: Kazakhstan

Author's Country/Territory: Italy

Manuscript submission date: 2023-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2024-01-01 02:58

Reviewer performed review: 2024-01-06 15:25

Review time: 5 Days and 12 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" 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

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<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
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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 have some suggestions for this editorial, as follow: - The title could be more informative about the central topic of editorial. - Accordingly, the authors should clearly state the aim of this editorial. - One figure schematically summarizing the picture that the author tried to provide to describe the multiple factors modulating bowel inflammation, should be drafted. - I think the authors should re-organize the manuscript in subsections specific to each domain (host genetics, microbiome, immunological factors, environmental triggers, others). Basically, this editorial should be more structured. - The author focuses on the immunomodulatory role of vitamin D. However, several other factors should be discussed, including IgA role (which is in turn related to the host genome: The Role of HLA in the Association between IgA Deficiency and Celiac Disease. *Dis Markers*. 2021 Dec 13;2021:8632861. doi: 10.1155/2021/8632861) or innate molecules/cells (e.g. Gut Microbiota, Inflammatory Bowel Disease, and Cancer: The Role of Guardians of Innate Immunity. *Cells*. 2023 Nov 19;12(22):2654. doi: 10.3390/cells12222654), for instance, which may play a different role in different diseases. - The role of gut microbiome should be discussed in specific gut diseases, wherein the

evidence for a disease signature is variable, but where the effect on the gut inflammation is plausible (refer to: Front Pediatr. 2021 Apr 22;9:652208. doi: 10.3389/fped.2021.652208; immunology. 2024 Jan 4. doi: 10.1111/imm.13749. Epub ahead of print; Mini Rev Med Chem. 2023;23(13):1376-1389. doi: 10.2174/1389557522666220914093331) - The conclusion should highlight the novel message and/or hypothesis that the author would like to communicate.

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Manuscript NO: 91582

Title: Bowel function and inflammation: Is motility the other side of the coin?

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05262195

Position: Peer Reviewer

Academic degree: N/A

Professional title: N/A

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2023-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-12-31 21:09

Reviewer performed review: 2024-01-08 21:08

Review time: 7 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 type="radio"/> Grade A: Excellent <input checked="" type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[Y] Grade A: Excellent [] Grade B: Good [] Grade C: Fair [] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [] Grade B: Minor language polishing [] Grade C: A great deal of language polishing [] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [] Accept (General priority) [] Minor revision [] Major revision [] Rejection
Re-review	[Y] Yes [] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [] Onymous
	Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The editorial page of the current manuscript covers the issue of gastric problems, including the incidence of bowel syndrome, and its pathogenetic aspects. This article adheres to the journal style and includes current references. It would be great if the author includes major genes involved in the initiation and progression of the disease to highlight the relevance of the genome. Additionally, it would be helpful to identify the up and downregulatory signaling molecules involved in the Vit D signaling pathway. Lastly, it's worth noting that this article could be considered a small review article rather than an editorial page.