

To

The Scientific Editor

World Journal of Gastroenterology

Subject: Manuscript No. 42696. Response to reviewers comments and submission of revised manuscript for publication of invited article

Dear Sir,

I would like to first thank you for scrutinizing our manuscript (number 42696) titled "Functional Gastrointestinal disorders and gut-brain axis; what does the future hold?" for consideration for publication in the World Journal of Gastroenterology. I herewith submit the response to the reviewers comments and submission of the revised manuscript for publication.

Response to reviewer's comments for the manuscript no. 31822:

Reviewer's code: 02535775

Comments to authors: To Authors, Manuscript NO: 42696 The manuscript titled "Functional gastrointestinal disorders and gut-brain axis; what does the future hold?" was reviewed. This study gives a detailed information and successful definition about the functional gastrointestinal disorders. There are some minor grammar mistakes required correction.

Responding to reviewer 02535775: We thank the reviewer for the positive comments to our article. We have looked into your suggestions and have revised the minimal grammatical and typographical errors.

Reviewer's code: 01530434

Comments to authors: This is a nice review. I believe that it's suitable for publication in WJG in the present form

Responding to reviewer 01530434: Thank you for reviewing the article. We really appreciate your positive feedback.

Reviewer's code: 01047625

Comments to authors: The authors conducted a detailed review regarding the functional GI disorder and Gut-grain axis, including different factors and underlying molecular mechanisms that may have a role in the pathogenesis of functional GI disorder. This manuscript is nicely written and can be published in WJG.

Responding to reviewer 01047625: We thank the reviewer for the positive comments to our article.

Reviewer's code: 00037961

Comments to authors: This is an interesting review paper describing the interaction of gut-brain axis with functional gastrointestinal disorders and the possible molecular mechanisms that may play a role in understanding the pathogenesis and therapeutic interventions. The paper describes the potential role of artificial intelligence and machine learning in understanding the use of the of these possibilities in these challenging disorders. Comments: It would be ideal to provide specific examples of AI and machine learning to identify any specific FGID. Thus the whole approach although innovative yet suffer from deficiencies relating to identification of these disorders.

Responding to reviewer 00037961: Thank you for reviewing the article and your kind comments. As our understanding of the Functional Gastrointestinal disorders will grow, we will be better able to understand the role of Artificial intelligence and can come up with specific examples in that regard. We have tried to put examples but that seemed too rudimentary. We believe that the article's main objective is to draw the attention of the scientific community towards the potential role of the Artificial intelligence and in that regard it does an excellent job.

Highlights of the revisions made in the manuscript:

- 1) The language quality of the entire manuscript has been checked. We (the authors) are convinced that the language of this manuscript has reached Grade A. We have signed a personal guarantee for the language presentation for this manuscript.
- 2) We have added PMIDs and DOIs.
- 3) Format of the citations has been corrected.
- 4) We have made other minor changes as suggested by the editor.

Thanking you,

Yours Sincerely,

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