### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Pathophysiology  
**Manuscript NO:** 77724  
**Title:** Epilepsy and the gut: Perpetrator or victim?  
**Provenance and peer review:** Invited Manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 05665395  
**Position:** Peer Reviewer  
**Academic degree:** MD  
**Professional title:** Director, Professor  
**Reviewer’s Country/Territory:** China  
**Author’s Country/Territory:** Bahrain  
**Manuscript submission date:** 2022-05-16  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2022-05-16 09:46  
**Reviewer performed review:** 2022-05-18 13:05  
**Review time:** 2 Days and 3 Hours

| Scientific quality | [ ] Grade A: Excellent | [ ] Grade B: Very good | [ ] Grade C: Good  
|                   | [Y] Grade D: Fair      | [ ] Grade E: Do not publish |
| Language quality  | [ ] Grade A: Priority publishing | [ ] Grade B: Minor language polishing  
|                   | [Y] Grade C: A great deal of language polishing | [ ] Grade D: Rejection |
| Conclusion        | [ ] Accept (High priority) | [ ] Accept (General priority)  
|                   | [ ] Minor revision | [Y] Major revision | [ ] Rejection |
| Re-review         | [ ] Yes | [Y] No |
| Peer-reviewer     | Peer-Review: [Y] Anonymous | [ ] Onymous |
SPECIFIC COMMENTS TO AUTHORS

It is not an interesting manuscript. Authors cannot succeed to present their idea in a clear way adding information to the existing literature. What are the original findings of this manuscript? What are the new hypotheses that this study proposed? What are the new findings of this study? What are the new concepts that this study proposes? What are the future directions of the topic described in this manuscript?
Name of journal: World Journal of Gastrointestinal Pathophysiology

Manuscript NO: 77724

Title: Epilepsy and the gut: Perpetrator or victim?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 06208034

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer’s Country/Territory: Japan

Author’s Country/Territory: Bahrain

Manuscript submission date: 2022-05-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-16 09:50

Reviewer performed review: 2022-05-21 05:35

Review time: 4 Days and 19 Hours

| Scientific quality | [Y] Grade A: Excellent | [ ] Grade B: Very good | [ ] Grade C: Good |
|                   | [ ] Grade D: Fair       | [ ] Grade E: Do not publish |

| Language quality  | [Y] Grade A: Priority publishing | [ ] Grade B: Minor language polishing |
|                   | [ ] Grade C: A great deal of language polishing | [ ] Grade D: Rejection |

| Conclusion        | [ ] Accept (High priority) | [ ] Accept (General priority) |
|                   | [Y] Minor revision         | [ ] Major revision          | [ ] Rejection |

| Re-review         | [Y] Yes                     | [ ] No |

| Peer-reviewer     | Peer-Review: [Y] Anonymous  | [ ] Onymous |
SPECIFIC COMMENTS TO AUTHORS
Thank you very much for allowing me to review your valuable review article. It was very informative. There are a few points that we would like you to correct.

Page 2: Ketogenic diet -> ketogenic diet
Page 4, line 1: There are two "metabolic." 
Page 5: EEGs -> EEGs 
Page 7: "yours" may not be necessary. 
Page 18: Ketogenic diet -> ketogenic diet
Page 19: Chron's disease may be Crohn's disease? Akkermansia -> Akkermansia.
Ketone -> ketone  
Page 20: Oxygen -> oxygen 
Some references are not superscripted. 40-42, 63, 68, 81.
Name of journal: World Journal of Gastrointestinal Pathophysiology

Manuscript NO: 77724

Title: Epilepsy and the gut: Perpetrator or victim?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 03199608

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Physician, Director, Professor

Reviewer’s Country/Territory: China

Author’s Country/Territory: Bahrain

Manuscript submission date: 2022-05-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-16 23:39

Reviewer performed review: 2022-05-25 13:51

Review time: 8 Days and 14 Hours

| Scientific quality                  | Grade A: Excellent | Y| Grade B: Very good | ]| Grade C: Good | ]| Grade D: Fair | ]| Grade E: Do not publish |
|-------------------------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Conclusion                          | Y| Accept (High priority) | ]| Accept (General priority) | ]| Minor revision | ]| Major revision | ]| Rejection |
| Re-review                           | Y| Yes | ]| No |
| Peer-review                         | Y| Anonymous | ]| Onymous |
SPECIFIC COMMENTS TO AUTHORS
Understanding the strong relation between epilepsy and the gut could help to alleviate both epileptic and gastrointestinal disorders. An increase in epilepsy incidence in various gastrointestinal diseases could be seen. Epilepsy, also affects the gastrointestinal tract in different forms, such as abdominal aura, epilepsy with abdominal pain, and the adverse effects of antiseizure medications on the gut and the gut microbiota. Gut microbiota modification, fecal microbiota transplantation, ketogenic diet, vagus nerve stimulation, and omentum transplant could be used to treat drug-resistant epilepsy.