

PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 88247

Title: Role of fecal microbiota transplant in management of hepatic encephalopathy:
Current trends and future directions

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03476715

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2023-09-16

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-04 00:07

Reviewer performed review: 2023-11-17 14:05

Review time: 13 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty 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 novelty
Creativity or innovation 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 creativity or innovation

Scientific significance of the conclusion in 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 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 checked="" type="checkbox"/> Minor revision <input 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

The review article aims to provide a comprehensive and scientifically rigorous overview of FMT. It elucidates the pathogenesis of gut dysbiosis leading to HE, and discuss the efficacy, safety, limitations, and future prospects for the implementation of FMT therapy in managing patients with HE. The review has a specific introduction. Some minor comments are below to improve the review value: 1.Authors can add some relevant researches on the efficacy of FMT in different types of HE, which may make the article more complete. 2.FMT is one of the microbial therapies for treating HE, it would be better if the review could briefly supplement the advantages and disadvantages of other microbial therapies, such as prebiotic, probiotic, and so on. 3.Most FMT is aerobically prepared, and thus anaerobes are not administered. Many probiotics, such as *Faecalibacterium prausnitzii*, are lost with aerobic stool processing and preserved with anaerobic processing. Therefore, different preparation methods of FMT may affect the efficacy of hepatic encephalopathy. This section can be described in the article.