

## PEER-REVIEW REPORT

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

**Manuscript NO:** 86246

**Title:** Efficacy and dose response of *Lactiplantibacillus plantarum* in diarrhea-predominant irritable bowel syndrome

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

**Peer-review model:** Single blind

**Reviewer's code:** 05329903

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** United States

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

**Manuscript submission date:** 2023-06-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-06-11 20:41

**Reviewer performed review:** 2023-06-12 20:17

**Review time:** 23 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish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 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 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>	[ <b>Y</b> ] Grade A: Excellent    [   ] Grade B: Good    [   ] Grade C: Fair [   ] Grade D: No scientific significance
<b>Language quality</b>	[ <b>Y</b> ] Grade A: Priority publishing    [   ] Grade B: Minor language polishing    [   ] Grade C: A great deal of language polishing    [   ] Grade D: Rejection
<b>Conclusion</b>	[   ] Accept (High priority)    [   ] Accept (General priority) [ <b>Y</b> ] Minor revision    [   ] Major revision    [   ] Rejection
<b>Re-review</b>	[ <b>Y</b> ] Yes    [   ] No
<b>Peer-reviewer statements</b>	Peer-Review: [   ] Anonymous    [ <b>Y</b> ] Onymous
	Conflicts-of-Interest: [ <b>Y</b> ] Yes    [   ] No

## SPECIFIC COMMENTS TO AUTHORS

A randomized controlled trial to assess one strain (*L. plantarum* Lpla33) in two doses versus placebo for the treatment of IBS-D. Well done study that is comprehensively described and nicely written. A few minor comments should be addressed. 1. Introduction, 3rd paragraph. When discussing the results of reference #13 (Wang Y 2022), the authors state "...probiotic strain selection likely a key limitation for single strain studies." Please clarify what you mean by this. Were separate sub-groups of identical strains assessed in Wang 2022 or not? Were there insufficient numbers of studies with the same single strain to analyze? Why is a single strain a limitation? 2. In Study design and procedures. Please describe how subjects were recruited? This is often not well described in trials. Was the study advertised? Did physicians enroll patients during clinic visits? Etc. 3. In Results. Study parameters. Please provide attrition rate. 4. In Discussion, 3rd paragraph. Please discuss other important meta-analysis of IBS which assessed 14 different probiotic types (McFarland LV 2021 in Eclin Med). Otherwise, good review of other strains with dose-responses. 5. References. Reference #14 is not a valid reference, as it is an internal document and not published. Authors should cite this



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source within the text. Reference #16. Provide a more complete description of this source, Authors? Title? Etc. not just url address. Reference #27. Missing title. Reference #33. Missing authors. 6. Figure 1 and 2. Nicely done. 7. Tables. Clear and well done.

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**Peer-review model:** Single blind

**Reviewer's code:** 05665395

**Position:** Peer Reviewer

**Academic degree:** N/A

**Professional title:** Director, Professor

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

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

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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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" 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

Probiotics have shown promise in alleviating symptoms of diarrhea-predominant irritable bowel syndrome (IBS-D); however, certainty of evidence is low. Well-powered randomized controlled dose-ranging trials are warranted on promising single-strain candidates. 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?