

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 79794

Title: Evaluation of Gut Dysbiosis Using Serum and Fecal Bile Acid Profiles

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03538879

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2022-09-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-08 06:02

Reviewer performed review: 2022-09-10 07:05

Review time: 2 Days and 1 Hour

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 Grade E: Do not publish
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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

In this manuscript, the authors systematically summarize the relevant studies on serum and fecal bile acid profiles to evaluate intestinal dysbiosis and conclude that the DCA/(DCA+CA) ratio in stool and serum is a valuable marker for detecting intestinal microbiota imbalance without enterobacterial genetic analysis. However, the conclusions of this paper are not very accurate. It is necessary to systematically analyze a variety of intestinal flora and metabolic disorders related diseases, and analyze the metabolic system of bacteria related to previous diseases to ensure the accuracy of the conclusions.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05225153

Position: Peer Reviewer

Academic degree: MSc

Professional title: Research Scientist

Reviewer's Country/Territory: Serbia

Author's Country/Territory: Japan

Manuscript submission date: 2022-09-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-01 17:04

Reviewer performed review: 2022-10-08 22:30

Review time: 7 Days and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I think that the manuscript is well written. I ask the authors to read my suggestions and to include a few important facts in the introductory part of the paper. I wrote in which direction to discuss. After that the paper could be accepted for publication. What are the new hypotheses that this study proposed? What are the new phenomena that were found through experiments in this study? What are the unique insights that this study presented? What are the questions that this study prompts for the authors to do next? How might this publication impact basic science and/or clinical practice?