

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 62189

Title: Bile acid indices as biomarkers for liver diseases: Diagnostic markers

Reviewer's code: 01549235

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2021-01-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-05 23:33

Reviewer performed review: 2021-01-13 09:07

Review time: 7 Days and 9 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 Grade E: Do not publish
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 checked="" 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

This study is very attractive with a large number of cases and bile acid index has high AUC values, which could be a diagnostic biomarker for liver diseases. (major) · Limitation is not mentioned. For example, severity is assessed by MELD score and whether it is compensated or decompensated, but stage is not assessed due to the lack of histological evaluation of the liver. I think there are some limitations that should be mentioned. · There seems to be a lack of discussion of each disease in the analysis. For example, is there any discussion of the significance of secondary bile acidity in PBC due to bile stasis? · How do you plan to use the bile acid index in human clinical practice? We would be grateful if you could describe your future prospects. · I would be grateful if you could tell me why you included normal liver function in the inclusion. (Minor) · On Page 13, line 19, "non-12 α -OH BA were 8.5-fold higher in patients" is noted. Is this a mistake for "8.15"? · On page 14, line 11, "while there was no difference in the % amidation and % G- amidation between medium and low- MELD patients" is noted. However, in table 5, the % amidation appears to be significantly different. Is this correct?

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Hepatology

Manuscript NO: 62189

Title: Bile acid indices as biomarkers for liver diseases: Diagnostic markers

Reviewer's code: 01549235

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2021-01-05

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2021-02-14 10:11

Reviewer performed review: 2021-02-16 08:21

Review time: 1 Day and 22 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
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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

Thank you for the answers and corrections. The response to my reviewed comments was



**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

well done. I hope that the bile acid index will be used in the future to predict the long-term prognosis of hepatitis C and other liver diseases.