

## PEER-REVIEW REPORT

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

**Manuscript NO:** 63452

**Title:** Viscoelastic tests in liver disease: where do we stand now?

**Reviewer's code:** 05348722

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Postdoc

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

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

**Manuscript submission date:** 2021-02-01

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2021-02-18 06:02

**Reviewer performed review:** 2021-03-03 12:58

**Review time:** 13 Days and 6 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input 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



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#### **SPECIFIC COMMENTS TO AUTHORS**

The Authors provide a comprehensive review on hemostasis in liver disease and the usage of viscoelastometric tests. Standard hemostatic tests, including PT, INR, and aPTT, only measure the effect of procoagulants and do not take into account the effect of in vivo inhibitors, contribution of platelets, or other cellular components. Global hemostatic assays inform on clot formation and dissolution. One such measure is the thrombin generation assay (TGA), which determines the amount of thrombin generated. Other global tests include the viscoelastic tests, thromboelastography (TEG), and rotational thromboelastometry (ROTEM). In both tests, data on clot formation and lysis are obtained providing a global assessment of hemostasis. Overall, the current adult data are inconsistent and it is difficult to draw firm conclusions, whereas there are currently inadequate studies evaluating the use of viscoelastometric studies in children with CLD. The article is worth publishing however a minor English polishing as well as some stylistic editing is needed.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Postdoc

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

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

**Manuscript submission date:** 2021-02-01

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-03-20 06:20

**Reviewer performed review:** 2021-03-20 06:32

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<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

Thank You for providing a revised manuscript. All my corrections were performed as



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advised. I recommend to publish the article in its actual form.