

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 56519

**Title:** The Clinical Utility of Viscoelastic Testing in Chronic Liver Disease: A systematic review

**Reviewer's code:** 03349251

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2020-05-04

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-05-04 06:22

**Reviewer performed review:** 2020-05-05 19:11

**Review time:** 1 Day and 12 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<br><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 Grade E: Do not publish            |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<br><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)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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

The manuscript written by Henry Wei and Lauren Jane Child aims to assess the utility of Viscoelastic Testing (VT) guided transfusion in chronic liver disease patients presenting with bleeding or who require an invasive procedure. Acceptance of the manuscript for publication at WJH is recommended. The authors undertook a full text review and data was extracted from randomised control trials that evaluated the outcomes of VT guided transfusion in those with liver disease. The data are interesting and important to improve haemostatic management in liver disease. Especially outside the setting of liver transplantation (LT), only limited data are available that have investigated the use of VT in those patients. As stated correctly, VT has been shown to reduce blood product use and improve haemostatic management in LT. Therefore, the authors are requested to explain why a study in the setting of LT was included in this review, as the aim of the review was to investigate VT outside the setting of LT.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 56519

**Title:** The Clinical Utility of Viscoelastic Testing in Chronic Liver Disease: A systematic review

**Reviewer's code:** 00054120

**Position:** Peer Reviewer

**Academic degree:** FRCA, MD

**Professional title:** Professor

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

**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2020-05-04

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-05-04 13:57

**Reviewer performed review:** 2020-05-15 00:43

**Review time:** 10 Days and 10 Hours

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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<br><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)<br><input 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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |



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

Dear Authors, after reading your paper, I was surprised of how little well-controlled trials were performed using TEG in liver patients. TEG was used extensively in liver transplant recipients for the last 30 years, and physicians started to use it in trauma, obstetric and cardiac cases. I do agree with your conclusion that it may be the time has arrived to establish a protocol or practice guidelines to apply TEG as a point of care in patients with liver diseases undergoing surgical procedures. At our liver transplant center we do have practice guidelines to apply TEG reading in the clinical care of liver transplant recipients as well as in patients with chronic liver disease undergoing major surgical procedures. I hope that your paper will generate the interest in establishing such protocol.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 56519

**Title:** The Clinical Utility of Viscoelastic Testing in Chronic Liver Disease: A systematic review

**Reviewer's code:** 02861208

**Position:** Editorial Board

**Academic degree:** BSc, MSc, PhD

**Professional title:** Assistant Professor

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

**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2020-05-04

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-05-15 16:13

**Reviewer performed review:** 2020-05-15 16:27

**Review time:** 1 Hour

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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<br><input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| <b>Conclusion</b>               | <input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><input 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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

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

To the authors: This is a well-written and relevant manuscript for the field that addresses a topic that is not very frequently raised. The methods and the results are correctly presented and explained and I believe this is a relevant issue for the readers.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 56519

**Title:** The Clinical Utility of Viscoelastic Testing in Chronic Liver Disease: A systematic review

**Reviewer's code:** 03349251

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2020-05-04

**Reviewer chosen by:** Ze-Mao Gong

**Reviewer accepted review:** 2020-07-30 11:18

**Reviewer performed review:** 2020-07-30 11:22

**Review time:** 1 Hour

|                                 |   |
|---------------------------------|---|
| <b>Scientific quality</b>       | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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<br><input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| <b>Conclusion</b>               | <input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority)<br><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<br>Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |

## SPECIFIC COMMENTS TO AUTHORS



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Well written manuscript. All issues raised were solved. I recommend publication.