

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 75340

Title: Thrombocytopenia in chronic liver disease: Physiopathology and new therapeutic strategies before invasive procedures

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02842879

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2022-01-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-31 02:26

Reviewer performed review: 2022-02-11 09:30

Review time: 11 Days and 7 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input type="radio"/> Yes <input checked="" type="radio"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

This review fully summarized the recent advances on the pathophysiology of thrombocytopenia in chronic liver disease and provided the new therapeutic strategies before invasive procedures. The writing quality of this review is very high, and it has a good reference value for the development of related clinical work.

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Reviewer's code: 00503526

Position: Editorial Board

Academic degree: MD

Professional title: Chief Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Italy

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Reviewer accepted review: 2022-02-19 02:14

Reviewer performed review: 2022-02-20 11:55

Review time: 1 Day 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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is useful manuscript. However, recalibration is desired based on the consideration including the following papers.

- 1.Reduced expression of thrombopoietin is involved in Thrombocytopenia in human and rat liver cirrhosis. J Gastroenterol Hepatol 1998; 13:907-913. doi: 10.1111/j.1440-1746.1998.tb00760.x. PMID: 9794189
2. Expression of hepatic thrombopoietin mRNA in primary cultured hepatocytes and in rats with acute liver injury or bone marrow suppression with or without cirrhosis. J Gastroenterol Hepatol 2000; 15: 647-653. doi: 10.1046/j.1440-1746.2000.02087.x. PMID: 10921419
3. Thrombopoietin receptor (c-Mpl) is constitutively expressed on platelets of patients with liver cirrhosis and correlates with its disease progression. Hepatol Res 2002; 23: 115-121. doi: 10.1016/s1386-6346(01)00170-x. PMID: 12048065
4. Real world data of thrombopoietin receptor for thrombocytopenia with chronic liver disease. Digestive Medicine Research 2021;4:41 | <https://dx.doi.org/10.21037/dmr-21-68>
5. Efficacy and safety of repeated use of lusutrombopag prior to radiofrequency ablation in patients with recurrent hepatocellular carcinoma and thrombocytopenia. Hepatol Res. 2019 May;49(5):590-593.
6. Impact of Platelet Count on Perioperative Bleeding in Patients With Cirrhosis Undergoing Surgical Treatments of Liver Cancer Hepatology Communications 2021.