

## PEER-REVIEW REPORT

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

**Manuscript NO:** 84153

**Title:** Recent advances in pathophysiology, diagnosis and management of hepatorenal syndrome: A review

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05457585

**Position:** Peer Reviewer

**Academic degree:** MD, MSc, PhD

**Professional title:** Assistant Professor

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

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

**Manuscript submission date:** 2023-02-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-02-28 02:24

**Reviewer performed review:** 2023-03-06 04:48

**Review time:** 6 Days and 2 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Major Comments: 1. Are there controversies in this field? What are the most recent and important achievements in the field? In my opinion, answers to these questions should be emphasized. Perhaps, in some cases, novelty of the recent achievements should be highlighted by indicating the year of publication in the text of the manuscript. 2. The discussion section is modest. 3. Abstract: not properly written. 4. Conclusion: The section devoted to the explanation of the results suffers from the same problems revealed so far. Your storyline in the results section (and conclusion) is hard to follow. Moreover, the conclusions reached are really far from what one can infer from the empirical results. 5. The discussion should be rather organized around arguments avoiding simply describing details without providing much meaning. 6. Spacing, punctuation marks, grammar, and spelling errors should be reviewed thoroughly. I found so many typos throughout the manuscript. 7. English is modest. Therefore, the authors need to improve their writing style. In addition, the whole manuscript needs to be checked by native English speakers.

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**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02539765

**Position:** Peer Reviewer

**Academic degree:** MBBS, MD

**Professional title:** Additional Professor

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

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

**Manuscript submission date:** 2023-02-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-02-28 02:26

**Reviewer performed review:** 2023-03-09 11:00

**Review time:** 9 Days and 8 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

-Because the basic premise of this review article was recent advances on HRS, I did not see a lot of recent information unfortunately. Most of the content is descriptive and already well established. There are a lot of new, developing ideas that may be relevant to this review. Examples include the role of serum metabolomic profiling in the evaluation of renal dysfunction, the current role of renal doppler in the evaluation of HRS, and the use of urine micro-RNA for the evaluation of HRS-CKD, etc. -Role of TIPS on HRS needs some elaborated discussion. At least, the results of published studies should be discussed for the benefit of readers. -Many places, acronyms have been used without using their full form at first place (FABP, Fe NA) -The first sentence of the abstract needs correction as it appears to state that only patients with decompensated cirrhosis experience HRS-AKI. As was correctly pointed out in the core-tip, it can also happen in the context of ALF and ACLF. -Authors should provide a diagram showing current pathophysiology of HRS -In Table, reference number needs to be provided against each study -English language needs some polishing. At many places, especially with longer sentence, punctuations were found missing. - Reference style differs from the



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