



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 75106

Title: Natural history and outcomes of patients with liver cirrhosis complicated by hepatic hydrothorax

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03550401

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Australia

Manuscript submission date: 2022-01-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-26 01:05

Reviewer performed review: 2022-01-26 09:44

Review time: 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 Grade E: Do not publish
Language quality	<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
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
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SPECIFIC COMMENTS TO AUTHORS

1. The author used the Cox proportional hazards regression survival model to analyze the time of onset of HH to death and transplant-free survival, So would it make more sense to use a competing risk model? 2. The author indicated that “Within 12-months of the index admission, 22 (26%) patients had 1 readmission, 9 (11%) had 2 readmissions, and 12 (14%) had ≥ 3 readmissions.” We surmised that a total of 43 patients had readmission. But then the authors describe “Overall, 63 (75%) patients had at least 1 readmission within 6 months.” what do you mean? Also, author described “a further 62 procedures were performed on 33 of 84 (40%) readmitted patients.” It is rather difficult to understand. 3. The author indicated that “No overall survival benefit from TIPS insertion was demonstrated, but transplant-free survival was higher (hazard ratio, 0.13; 95% CI: 0.02–0.96), as no patient who had TIPS insertion underwent LT.” Could you provide responsiveness after TIPS, there were studies showing that Better clinical response after TIPS were associated with longer survival after TIPS. (Dhanasekaran R, West JK, Gonzales PC, Subramanian R, Parekh S, Spivey JR, Martin LG, Kim HS. Transjugular intrahepatic portosystemic shunt for symptomatic refractory hepatic hydrothorax in patients with cirrhosis. *Am J Gastroenterol.* 2010 Mar;105(3):635-41. pii: ajg2009634. doi: 10.1038/ajg.2009.634. PubMed PMID: 19904245.) 4. Please add references for acute kidney injury.



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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05430684

Position: Peer Reviewer

Academic degree: MD, MSc, PhD

Professional title: Chief Doctor

Reviewer's Country/Territory: Greece

Author's Country/Territory: Australia

Manuscript submission date: 2022-01-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-08 16:19

Reviewer performed review: 2022-02-13 17:52

Review time: 5 Days and 1 Hour

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
Language quality	<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
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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Dear Editor, Permit me to express my gratitude for giving me the opportunity to review the manuscript entitled "Natural history and outcomes of patients with liver cirrhosis complicated by hepatic hydrothorax" by Romero S. et al. The manuscript deals with a multi-center retrospective cohort study of cirrhotic patients regarding an interesting topic, namely that of hepatic hydrothorax (HH). Interestingly, the authors conclude that smoking and acute kidney injury are of independent prognostic value regarding overall survival in HH. The methodology is sound, while the statistical analysis is adequate. Discussion is clear, and limitations are presented in a comprehensive manner. Except some minor errors (e.g. Page 12, Line 2: Amend "dose of diuretics used were similar" for "dose of diuretics used was similar"), grammar and syntax are proper. Under these circumstances, I would propose acceptance for publication as is.



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Manuscript NO: 75106

Title: Natural history and outcomes of patients with liver cirrhosis complicated by hepatic hydrothorax

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05424290

Position: Editorial Board

Academic degree: MBBS, MD

Professional title: Academic Research, Doctor, Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Australia

Manuscript submission date: 2022-01-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-08 07:56

Reviewer performed review: 2022-02-16 10:41

Review time: 8 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
Language quality	<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
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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

Reviewer comments The study has included patients of hepatic hydrothorax in cirrhosis of liver. The authors have assessed baseline characteristics including 12-month overall and transplant free survival. I have few comments. 1. The methods should include how pleural fluid analysis was interpreted. The values of SPAG, pleural fluid protein etc should be included as per standard guidelines. 2. Infections are one of the most common cause of acute decompensation in cirrhosis. SBP and SBE are most common sites of infection. Therefore, Patients having spontaneous bacterial empyema on first diagnosis of HH should be given. Additionally, readmissions due to SBE should also be given in results. 3. In patients who had readmissions, compliance to salt restriction, diuretic therapy and adequate follow up should be given to determine whether it was a therapy failure or patient non-compliance which was adding to HH recurrence.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 03550401

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Australia

Manuscript submission date: 2022-01-24

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2022-04-30 02:48

Reviewer performed review: 2022-04-30 11:34

Review time: 8 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
Language quality	<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
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

no more comments