

## PEER-REVIEW REPORT

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

**Manuscript NO:** 80627

**Title:** Outcomes of Gout in Patients with Cirrhosis, a NIS-Based Study

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

**Peer-review model:** Single blind

**Reviewer's code:** 05393105

**Position:** Editorial Board

**Academic degree:** Doctor, FRCP, MBBS, MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-10-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-14 08:34

**Reviewer performed review:** 2022-10-17 16:44

**Review time:** 3 Days and 8 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 Grade E: Do not publish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 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</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

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

It is an interesting article but retrospective. The following suggestions are offered for improving the manuscript

1. The language and grammar requires minor modification throughout the manuscript
2. The following maybe added and discussed:
  - a. Pradeep Kumar Gupta; Himanshu Agarwal; Saurabh Singhal; Keerti Manocha. "STUDY OF ASSOCIATION BETWEEN SERUM URIC ACID LEVELS AND CHRONIC LIVER DISEASE". European Journal of Molecular & Clinical Medicine, 8, 4, 2021, 1169-1173.
  - b. Afzali A, Weiss NS, Boyko EJ, Ioannou GN. Association between serum uric acid level and chronic liver disease in the United States. Hepatology. 2010 Aug;52(2):578-89. doi: 10.1002/hep.23717. PMID: 20683957.
3. The results need to be better organized and the discussion needs to be more detailed and focused to highlight the associations if any

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**Reviewer's code:** 06266268

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Chief Physician

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

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

**Manuscript submission date:** 2022-10-07

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-12-20 06:38

**Reviewer performed review:** 2022-12-21 04:30

**Review time:** 21 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
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<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

## SPECIFIC COMMENTS TO AUTHORS

The manuscript submitted to World Journal of Hepatology, entitled “Outcomes of Gout in Patients with Cirrhosis, a NIS-Based Study”, by Ayham Khrais, summarized the relationship between cirrhosis and the incidence of gout-related complications by analyzing the clinical data from NIS. The significant limitations of the manuscript are described below, along with several minor points. Major points: 1. The weakness of this study is that the data presented in this paper are not enough to support the final conclusion of this paper. It is exactly that cirrhotics had greater rates of mortality (5.49% versus 2.03%), gout flare (2.89% versus 2.77%) and tophi (0.97% versus 0.75%) when compared with non-cirrhotics in Table 4, but the differences are not particularly significant. At the same time, in either cirrhotics group or non-cirrhotics group, the complications rates of gout are low, these data does not support what the author says “Gout complications were more common in cirrhosis”. The data in this paper can just explain gout patients with cirrhotics has poorer gout complications, but not sufficient. 2. The result description is too monotonous. Some appropriate elicitation, comparison (with other study), et al, should be needed. Minor point: 1. Introduction: monosodium uric acid, MSU is MSUA?. 2. Results, cirrhotic patients had a greater proportion of males versus females (74.63% versus 66.83%) without statistical significance in Table 1 and Abstract, but the proportion of females is 25.37%. And the header of table mentioned hospital-associated mortality among patients hospitalized for gout with and without a history of hirrrosis, but it was not shown in table, only sex. 3. Results, Native Americans (2% versus 2.1%), and 0.3% versus 0.4% in table 3 4. The references need to be edited and sorted using reference management software, such as ENDNOTE. 5. The tables needs to be further embellishment, and make three lines table.

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**Reviewer's code:** 05346014

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2022-10-07

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-12-21 01:26

**Reviewer performed review:** 2022-12-30 01:04

**Review time:** 8 Days and 23 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 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
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Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

Comments for the authors Although the research question is important there are some points that have to be reviewed regarding this manuscript. Specific comments 1.

Abstract: The topic is relevant; however, the abstract should be written concisely.

English revision is required. • The characteristics of the patients are not well described, such as the severity and aetiology of baseline disease and the presence of other comorbidities. Furthermore, the text should be reviewed due to grammatical errors.

• Detailed information about how to diagnose gout needs to be provided. Please, clarification should be provided for this matter. 2. Introduction:

• The introduction section is under-elaborated. There is limited information regarding a theoretical framework that grounds the research. • The link between gout and liver cirrhosis, the focus of the present study, should be further explored. 3. Methods:

• Design: Can you clarify the selection criteria of the individuals included in the current study? Please, clarification should be provided for this issue. • The data analysis section is under-elaborated. There is limited discussion regarding the clinical implications of the findings. The authors should include information and compare the findings between the different groups: "with cirrhosis" and "without cirrhosis". Discussion:

• The discussion section is under-elaborated. The discussion should be focused on the objectives and results of the study. • Moreover, grammatical errors/constructions should be evaluated throughout the whole article. • Major and minor revision.