

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58860

Title: Relationship between the incidence of non-hepatic hyperammonemia and the prognosis of patients in intensive care unit

Reviewer's code: 05185787

Position: Peer Reviewer

Academic degree: FCPS, MD, PhD

Professional title: Associate Professor, Research Fellow, Research Scientist

Reviewer's Country/Territory: Australia

Author's Country/Territory: China

Manuscript submission date: 2020-09-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-09-02 00:23

Reviewer performed review: 2020-09-08 01:11

Review time: 6 Days

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 Grade E: Do not publish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 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
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

Manuscript Type: Prospective study. 1- Title reflected the main subject/hypothesis of the manuscript. 2-The abstract summarized and reflect the described in the manuscript. 3- key words reflected the focus of the manuscript. 4- The manuscript adequately described the background, presented status and significance of the study. 5- The manuscript described methods (e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail. 6- The research objectives are achieved by the experiments used in this study. explore the relationship between the incidence of NHH and the prognosis of patients who were admitted to the ICU. 7- The manuscript interpreted the findings adequately and appropriately, highlighting the key points concisely, clearly and logically. 8- Manuscript included sufficient, good quality figures. 9- The manuscript cited appropriately the latest, important and authoritative references in the introduction and discussion sections. 10- The manuscript is well, concisely and coherently organized and presented and the style, language and grammar are accurate and appropriated. 11- Authors have prepared their manuscripts according to manuscript type and the appropriate categories, except legend of figure. Author wrote legends above figures. 12- Authors findings highlighted High blood ammonia level is frequent among NHH patients admitted to ICU, which is related to the clinical characteristics of patients. 13- The limitations of the study is that it is a single-center study with small sample size. Hence, further multi-center, large-scale, clinical study should be conducted on NHH patients with elevated blood ammonia level who admitted to ICU.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58860

Title: Relationship between the incidence of non-hepatic hyperammonemia and the prognosis of patients in intensive care unit

Reviewer's code: 02936355

Position: Peer Reviewer

Academic degree: FEBS, MD, PhD

Professional title: Associate Professor, Research Scientist

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-09-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-09-08 00:25

Reviewer performed review: 2020-09-08 01:12

Review time: 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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

This study aimed to explore the relationship between the incidence of non-hepatic hyperammonemia (NHH) and the prognosis of patients who were admitted to the intensive care unit (ICU). The authors conclude that patients with severe NHH had longer length of stay at ICU and lower level of consciousness. The mean and initial levels of ammonia in the blood might be helpful in predicting prognosis. Besides, patients in drug poisoning group had higher blood ammonia level compared with those in non-drug poisoning group. This is an interesting study; however, I have the following questions and comments. (1) In the RESULT part, exclude those who do not meet the requirements, and the remaining number cannot correspond to the number in your article; (2) I suggest that the author be able to add a flow chart showing all the status of selection, exclusion and participation in the trial; (3) In order to make the data clearer, the data of the subjects at baseline needs to be listed in a detailed Table; (4) In the DISCUSSION part, there is no need to repeat the part of the result again, you can directly start discussing previous studies.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 58860

Title: Relationship between the incidence of non-hepatic hyperammonemia and the prognosis of patients in intensive care unit

Reviewer's code: 02936371

Position: Peer Reviewer

Academic degree: BHMS, FRCPC, MD, PhD

Professional title: Full Professor, Professor, Research Scientist

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2020-09-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-09-02 00:23

Reviewer performed review: 2020-09-08 01:13

Review time: 6 Days

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 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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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

The authors continuously monitored changes in the levels of blood ammonia at the time of ICU admission and after ICU admission. In addition, factors influencing the prognosis of NHH patients were analyzed. Very interesting study. And the manuscript is well written. The experiment of the study is designed very well, aims are very clear. Methods are reasonable. Data in figures and tables are very good, and well discussed. Thank you for giving opportunity to review your study. I suggest updating the REFERENCES, there has been little research in recent years. Grammar and spelling errors should be carefully revised.