

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 57768

Title: Immunization status and hospitalization for vaccine-preventable and non-vaccine-preventable infections in liver-transplanted children

Reviewer's code: 03340448

Position: Peer Reviewer

Academic degree: MD

Professional title: PhD

Reviewer's Country/Territory: Japan

Author's Country/Territory: Thailand

Manuscript submission date: 2020-06-25

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-26 22:48

Reviewer performed review: 2020-07-04 12:22

Review time: 7 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

This manuscript addresses an informative issue associated with infections after liver transplantation including vaccine preventable diseases in Thailand. Pathogens causing hospitalization after the transplantation has been described in detail. 1) The focus of the manuscript is not very clear. The authors tell about incomplete immunization, and the number of cases with vaccine preventable and unpreventable diseases, but the relationship between them is not clear. 2) The authors do not show how important the immunization before the transplantation is. Among 48 children, the authors should show 2 x 2 table with some adjustments; (the number of children who developed vaccine PREVENTABLE or UNPREVENTABLE diseases) x (the number of children with COMPLETE or INCOMPLETE immunization before transplantation). Did the children with INCOMPLETE immunization tend to develop vaccine preventable diseases? Reviewed, until July 4, 2020.

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Name of journal: World Journal of Hepatology

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Title: Immunization status and hospitalization for vaccine-preventable and non-vaccine-preventable infections in liver-transplanted children

Reviewer's code: 05088164

Position: Associate Editor

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory: Thailand

Manuscript submission date: 2020-06-25

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-09-23 16:53

Reviewer performed review: 2020-09-25 20:44

Review time: 2 Days and 3 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 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

The paper presents data on vaccinations and infections during the follow-up of children with liver transplantation. There are important data as in Asia there is little in the literature about that. It is important to know that immunization can prevent some of the infections in these patients. The findings of this study add to the data from other parts of the World and present that only a part of these patients was correctly vaccinated before, and even after liver transplantation some did not catch-up the schedule. Also, they present the severity of the infections and the etiology function to the time from transplantation. Even that the title reflects the main subject of the manuscript, I would change it as " and the others" does not sound very professional... The abstract summarizes the work in this study but it must be improved: - the phrases should be corrected (infections ... and its morbidity and mortality were high... infections could not be high but could be more frequent probably). - also, the methods could be presented more clearly, without repeating "in our hospital" or "VPIs and non-VPIs" - morbidity could be referred to as the severity of the infections probably, as the authors described the length of stay and ventilator support in ICU - the results also should be corrected: age probably should be mean age; time of the follow up should be " between" - do not put results in the conclusions The keywords reflect the focus of the manuscript but I would not include both immunization and vaccination as here it refers to the same idea. The Background (introduction) seems to be very short, describing the present status and importance of the study as there are very little data on this theme in Asia. Maybe the authors could add more data about that from the literature. In the Methods probably would be better to clearly define the inclusion and exclusion criteria. Again, try to not use repeatedly some words (in our hospital). Instead of citing from the IDSA guidelines, there is a need for reference to table 1. Explain better what was done in the study (there

is no word about the etiology of the infection - diagnosis and other details) The Results presentation should be improved. Even that are interesting results the way the authors decided to present did not value them. Firstly, again there are repeated phrases (when presenting the number of patients with incomplete immunization). Secondly, again "mean age", follow-up of the patients " between". Also, there is again in the second paragraph the presentation of the follow-up period. Probably it would be better to present the mean duration of the follow-up for all patients. When presenting the data, there is no link with the tables. That should be mentioned in the text in the appropriate place. Table 3 could be separated into 3 different smaller tables as it contains 3 different aspects (the type of infection, the organs, and the severity and mortality); mortality could not be included in morbidity. Table 4 should be changed as it is very difficult to be understood in this way. You can list the pathogens on a column (grouped in bacteria, viruses) and the time on the first line. In this way, the numbers could be easily viewed by the readers. The authors interpret the results appropriately, highlighting the important aspects, but they should not repeat the presentation of the results. In Discussions, all the data from the study should be discussed in correlation with other data from the literature. Maybe it would be better to compare with studies from other important centers from other continents. Biostatistics. There is very few statistic analysis presented in the paper. That should be improved. The authors cited appropriately important references, less in the introduction, and more in the discussion sections. The manuscript needs to improve the presentation, both in some aspects of the language and style of writing. The study was reviewed and approved by the local ethical review committee even that is mostly a retrospective study and there are no interventions. The authors tried to present also the limitation as they have data from a single-center, with not many patients included. The conclusions paragraph should be added at the end of the text of the manuscript, before ARTICLE HIGHLIGHTS (without



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presenting the results).

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05088164

Position: Associate Editor

Academic degree: MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory: Thailand

Manuscript submission date: 2020-06-25

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-13 08:31

Reviewer performed review: 2020-11-14 17:26

Review time: 1 Day 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
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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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

SPECIFIC COMMENTS TO AUTHORS

The paper was improved based on the recommendations. Still, some small corrections need to be done: - typo corrections; - I would not add the number of cases in discussions chapter when VPI hospitalizations are presented