PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology
Manuscript NO: 73099
Title: Long Term Liver Allograft Fibrosis: A Review with Emphasis on Idiopathic Post-Transplant Hepatitis and Chronic Antibody Mediated Rejection
Provenance and peer review: Invited Manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05646946
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer’s Country/Territory: China
Author’s Country/Territory: India
Manuscript submission date: 2021-11-09
Reviewer chosen by: Fei-Yan Lin
Reviewer accepted review: 2022-04-03 13:30
Reviewer performed review: 2022-04-07 12:44
Review time: 3 Days and 23 Hours

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>Grade A: Excellent</th>
<th>Grade B: Very good</th>
<th>Grade C: Good</th>
<th>Grade D: Fair</th>
<th>Grade E: Do not publish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language quality</td>
<td>Grade A: Priority publishing</td>
<td>Grade B: Minor language polishing</td>
<td>Grade C: A great deal of language polishing</td>
<td>Grade D: Rejection</td>
<td></td>
</tr>
<tr>
<td>Conclusion</td>
<td>Accept (High priority)</td>
<td>Accept (General priority)</td>
<td>Minor revision</td>
<td>Major revision</td>
<td>Rejection</td>
</tr>
<tr>
<td>Re-review</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SPECIFIC COMMENTS TO AUTHORS

1. Advances in organ preservation techniques, perioperative care and immunosuppression have resulted in greatly improved long-term survival in patients undergoing liver transplantation (LT). Consequently, a continued assessment of the liver allograft in these patients to ensure optimal graft function is becoming increasingly important. Pathological findings are frequently present in liver biopsies obtained after a year post LT. The significance of these findings is uncertain as many of these are seen in protocol liver biopsies from patients with clinically good allograft function and normal liver chemistry parameters. This review has novelty and clinical value. It opens up the research thinking of Liver Allograft Fibrosis and has guiding significance for carrying out relevant research, exploring the new reliable predictive immune biomarkers mode of Liver Allograft Fibrosis and improving the prognosis of liver transplantation.

2. The title, abstract and key words are accurate and basically reflect the study. The language is fluent and there is few grammatical errors.

3. Outlook: look for reliable predictive immune biomarkers to reduce protocol biopsies.
**Name of journal:** World Journal of Hepatology  
**Manuscript NO:** 73099  
**Title:** Long Term Liver Allograft Fibrosis: A Review with Emphasis on Idiopathic Post-Transplant Hepatitis and Chronic Antibody Mediated Rejection  
**Provenance and peer review:** Invited Manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 02860506  
**Position:** Peer Reviewer  
**Academic degree:** MD, PhD  
**Professional title:** Chief Doctor, Professor, Surgeon  
**Reviewer’s Country/Territory:** China  
**Author’s Country/Territory:** India  
**Manuscript submission date:** 2021-11-09  
**Reviewer chosen by:** Dong-Mei Wang  
**Reviewer accepted review:** 2022-05-05 04:34  
**Reviewer performed review:** 2022-05-12 15:08  
**Review time:** 7 Days and 10 Hours  

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>Grade A: Excellent</th>
<th>Grade B: Very good</th>
<th>Grade C: Good</th>
<th>Grade D: Fair</th>
<th>Grade E: Do not publish</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language quality</th>
<th>Grade A: Priority publishing</th>
<th>Grade B: Minor language polishing</th>
<th>Grade C: A great deal of language polishing</th>
<th>Grade D: Rejection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Conclusion</th>
<th>Accept (High priority)</th>
<th>Accept (General priority)</th>
<th>Minor revision</th>
<th>Major revision</th>
<th>Rejection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Re-review</th>
<th>Yes</th>
<th>No</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
SPECIFIC COMMENTS TO AUTHORS

In the manuscript entitled “Long Term Liver Allograft Fibrosis: A Review with Emphasis on Idiopathic Post-Transplant Hepatitis and Chronic Antibody Mediated Rejection”, authors have summarized the factors contributed to LAF and emphasized on IPLTH and CAMR. There are also some comments taken for consideration: 1. Authors seem to introduced LAF, IPLTH and CAMR individually, but haven’t showed the importance of IPLTH and CAMR in LAF, especially compared with other LAF reasons (like cellular immunity). 2. Incidence of allograft fibrosis should be supplemented, especially for the pediatric LT recipients. An illustration figure or a table for factors of long-term LAF is supposed to be supplemented. And What are differences between adult and pediatric LT recipients in LAF? Incidence? Mechanism? 3. Parts entitled “Metrics for Liver Allograft Fibrosis”, “Complement component 4d (C4d) Immunostaining” and “Operational Tolerance & Liver Allograft Fibrosis: The Equipoise” don’t connect tightly with the emphasis of the manuscript. It is suggested to re-organize the text. 4. The manuscript needs to be polished. Some of the descriptions are colloquial and not professional. Please pay attention to the gramma and the word spelling.