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**ESPS Peer-review Report**
**Name of Journal:** World Journal of Gastroenterology
**ESPS Manuscript NO:** 7103
**Title:** Evaluation of a Hybrid Bioartificial Liver Support System using CL-1 cells in Cynomolgus monkey models with D-galactosamine induced acute liver failure
**Reviewer code:** 00182114
**Science editor:** Su-Xin Gou
**Date sent for review:** 2013-11-07 09:45
**Date reviewed:** 2013-11-08 13:09

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|---|---|---|
| [ ] Grade A (Excellent) | [ ] Grade A: Priority Publishing | Google Search: | [ ] Accept |
| [ ] Grade B (Very good) | [ Y] Grade B: minor language polishing | [ ] Existed | [ ] High priority for publication |
| [ Y] Grade C (Good) | [ ] Grade C: a great deal of language polishing | [ ] No records | [ ]Rejection |
| [ ] Grade D (Fair) | [ ] Grade D: rejected | BPG Search: | [ Y] Minor revision |
| [ ] Grade E (Poor) | | [ ] Existed | [ ] Major revision |
| | | [ ] No records | |

**COMMENTS TO AUTHORS**
To authors This is a very interesting paper about the efficiency of Hybrid Bioartificial Liver Support system (HBALSS) for D-galactosamine induced acute liver failure. Authors conclude HBALSS could improve the animal's clinical,biochemical levels and extend the survival time of animals. I ask some questions. 1. Prothrombin time is a typical parameter of acute liver failure. How about prothrombin time in this experimental study ? 2. Authors say "NH3 and Fisher ratio are two key indicator for acute liver failure".I think that NH3 and Fisher ratio are indicator of hepatic encephalopathy. Therefore, authors had better comment prothrombin time before and after HAALSS support for D-galactosamine induced acute liver failure. 3. I think the picture of Fig4 is D-galactosamin induced liver failure without HBALSS support. Please show the histology of acute liver failure with HBALSS treatment.

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**Reviewer code:** 00054120
**Science editor:** Su-Xin Gou
**Date sent for review:** 2013-11-07 09:45
**Date reviewed:** 2013-12-30 21:49

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|---|---|---|
| [ ] Grade A (Excellent) | [ ] Grade A: Priority Publishing | Google Search: | [ Y] Accept |
| [ Y] Grade B (Very good) | [ Y] Grade B: minor language polishing | [ ] Existed | [ ] High priority for publication |
| [ ] Grade C (Good) | [ ] Grade C: a great deal of language polishing | [ ] No records | |
| [ ] Grade D (Fair) | | BPG Search: | [ ]Rejection |
| [ ] Grade E (Poor) | [ ] Grade D: rejected | [ ] Existed | [ ] Minor revision |
| | | [ ] No records | [ ] Major revision |

**COMMENTS TO AUTHORS**
Dear authors, Thank you for submitting your study to the WJG, I enjoyed very much reading your paper. However, it can be improved by some editing and language/grammar correction. While reviewing your paper I left few comments and suggestions, please check them out and consider revising.

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**Name of Journal:** World Journal of Gastroenterology
**ESPS Manuscript NO:** 7103
**Title:** Evaluation of a Hybrid Bioartificial Liver Support System using CL-1 cells in Cynomolgus monkey models with D-galactosamine induced acute liver failure
**Reviewer code:** 00069693
**Science editor:** Su-Xin Gou
**Date sent for review:** 2013-11-07 09:45
**Date reviewed:** 2014-01-06 04:11

| CLASSIFICATION | LANGUAGE EVALUATION | RECOMMENDATION | CONCLUSION |
|---|---|---|---|
| [ ] Grade A (Excellent) | [ ] Grade A: Priority Publishing | Google Search: | [Y] Accept |
| [Y] Grade B (Very good) | [Y] Grade B: minor language polishing | [ ] Existed | [ ] High priority for publication |
| [ ] Grade C (Good) | [ ] Grade C: a great deal of language polishing | [ ] No records | |
| [ ] Grade D (Fair) | | BPG Search: | [ ]Rejection |
| [ ] Grade E (Poor) | [ ] Grade D: rejected | [ ] Existed | [ ] Minor revision |
| | | [ ] No records | [ ] Major revision |

**COMMENTS TO AUTHORS**

This is an experimental study to evaluate the safety and efficacy of Hybrid Bioartificial Liver Support System (HBALSS) in cynomolgus monkey models with acute liver failure and its feasibility in clinical application. The authors conclude that cynomolgus monkey models with acute liver failure have been successfully established, the novel hybrid bioartificial liver can significantly reduce serum biochemical levels, and animal extend survival team , displaying its significant role in liver support. The authors address the challenge of treating acute liver failure. The methodology was applied properly. The results obtained are discussed and are suitably data for stimulating the development of experimental models for the study and treatment of acute liver failure. The references are in adequate number and are current. Figures and tables are appropriate in number, clear and the subtitles are well prepared. Table 4 seemed expendable.