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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 55067

Title: Creating rat hepatocyte organoid as an in vitro model for drug testing

Reviewer's code: 00569670

Position: Peer Reviewer

Academic degree: BSc, PhD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-02-29

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-03-03 14:17

Reviewer performed review: 2020-03-03 14:34

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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input 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

SPECIFIC COMMENTS TO AUTHORS

The manuscript quality is good overall. The problems that require correction prior to publication are: 1. English spelling and grammatical errors in all parts of the manuscript. 2. It is better to "create" than form the organoids. 3. Remove colloquial language, such as "disaster in a dish" this is not scientifically acceptable. 4. The title is not attractive to readers. I suggest it be changed to: "Creating Rat hepatocyte organoids as an in vitro model to investigate liver disease and test for drug screening." 5. I suggest removing the first sentence of the introduction, since it is confusing and meaningless. 6. In the methods please include the IACUC approval number, and describe how many animals were used, and describe the sex and species of animals, and the methods of euthanasia. 7. In the methods, please describe how many samples/replicates of each experiment were performed. 8. In the discussion, remove the words "in summary." 9. In the figures, please lighten the dark figures to show DAPI staining more clearly.