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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 15519

Title: Hepatic stem cells: A viable approach for the treatment of liver cirrhosis

Reviewer's code: 01217232

Reviewer's country: Afghanistan

Science editor: Yue-Li Tian

Date sent for review: 2014-12-02 16:40

Date reviewed: 2014-12-27 10:03

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [Y] Accept
<input type="checkbox"/> [Y] Grade B: Very good	<input type="checkbox"/> [Y] Grade B: Minor language polishing	<input type="checkbox"/> [] The same title	<input type="checkbox"/> [] High priority for publication
<input type="checkbox"/> [] Grade C: Good	<input type="checkbox"/> [] Grade C: A great deal of language polishing	<input type="checkbox"/> [] Duplicate publication	<input type="checkbox"/> [] Rejection
<input type="checkbox"/> [] Grade D: Fair	<input type="checkbox"/> [] Grade D: Rejected	<input type="checkbox"/> [Y] No	<input type="checkbox"/> [] Minor revision
<input type="checkbox"/> [] Grade E: Poor		BPG Search:	<input type="checkbox"/> [] Major revision
		<input type="checkbox"/> [] The same title	
		<input type="checkbox"/> [] Duplicate publication	
		<input type="checkbox"/> [] Plagiarism	
		<input type="checkbox"/> [Y] No	

COMMENTS TO AUTHORS

In this manuscript, the authors have summarized the clinical application of hepatocyte transplantation, the potential of hepatic stem cells in the treatment of liver cirrhosis and the mechanisms underlying the cell therapy. The manuscript is generally well-organized, however, some spelling and grammar errors should be corrected and the language needs to be polished.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 15519

Title: Hepatic stem cells: A viable approach for the treatment of liver cirrhosis

Reviewer's code: 02446204

Reviewer's country: Afghanistan

Science editor: Yue-Li Tian

Date sent for review: 2014-12-02 16:40

Date reviewed: 2015-01-06 16:44

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various review criteria like 'Grade A: Excellent', 'Priority publishing', 'Google Search', etc.

COMMENTS TO AUTHORS

The theme of this review is very interesting, describing the potential of fetal human hepatocyte stem/progenitor cell transplantation as one of the promising therapeutics for the treatment of liver failure. Nevertheless, the level of English is rather low. This manuscript contains numerous grammatical errors and misusages of words. Although I checked the English in Abstract, there still remain a lot of errors throughout the manuscript. Therefore, authors should consult a native speaker to get English proofreading before publication in World Journal of Stem Cells. Errors in Abstract 1) In line 1, "Liver cirrhosis is being characterized" should be corrected as "Liver cirrhosis is characterized" because the concept of liver cirrhosis has already been confirmed. 2) In line 8, "10-18 weeks of gestation aged fetuses" should be corrected as "fetuses at 10-18 weeks of gestation", "10-18-week fetuses" or "fetuses at 10-18 week gestational age". 3) In lines 9-10, "actively dividing hepatic stem and progenitor cells and possess ..." should be corrected as "actively dividing hepatic stem and progenitor cells, which possess ...". 4) In line 12, "may fetch us to ..." should be corrected as "may bring us to ..." because the word "fetch" means "go and get back taking something". 5) In line 15, "desired area" should be rewritten as "important subject" or "urgent task". 6) In line 15,



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“now days” should be corrected as “nowadays” or “nowdays”. 7) In line 16, “deprived questions” should be corrected as “open questions” or “unsettled questions” Alternatively, lines 16-17 “in order to answer several deprived questions” can be corrected as “in order to address several unsettled issues”. 8) In lines 17- 20, “such as most efficacious route of delivery, and the favorable time-point of cell delivery.” should be corrected as “ regarding the route of delivery, the choice of stem cell type(s), the cell number and the time-point of cell delivery for the treatment in a chronic setting.”. Alternatively, the sentence should be corrected as “such as ‘what is the most efficacious route of delivery’, ‘which stem cell type(s) are most suitable’, ‘how many cells should be transplanted’ and ‘when is the most favorable time-point of cell delivery’ for treatment in a chronic setting”. 9) In line 23, “will further help to develop ...” should be corrected as “will further contribute to the development of ...”.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 15519

Title: Hepatic stem cells: A viable approach for the treatment of liver cirrhosis

Reviewer's code: 00006353

Reviewer's country: Afghanistan

Science editor: Yue-Li Tian

Date sent for review: 2014-12-02 16:40

Date reviewed: 2014-12-19 14:25

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Habeeb et al. reviewed a recent progress on cell transplantation therapy for liver disease. This review covers different aspects of possible liver stem cells. The authors need to address following concerns.

1. There are many typos. Need English proofreading. 2. Abbreviations. The authors should spell out all abbreviations when appear first in the text and use the same abbreviations throughout the manuscript. Do not use specific abbreviations without full spelling, e.g., HPC on page 1, ALF on page 2, etc... 3. The authors should cite original papers when described in the text. For example, Mito and Kusano on page 2, James Thomson on page 3, etc... 4. Page 10, decellularization. The authors should cite recent papers for this technique from different groups in this section. 5. There are several papers comparing transplantation of fetal hepatoblasts and mature hepatocytes. The authors should cite and discuss advantages and disadvantages the use of hepatoblasts. 6, Page 3, lines 3 from the bottom. The meaning of the sentence "These cells are able to give rise to" was unclear. Which stem cells give rise to mature progenitor cells and have self-renewal capacity? 7. The description of EMT does not relate to the topic of this review. How does this EMT thing relate to mechanisms of stem cells in the liver? The findings of EMT in this section were all in vitro and may



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not represent in vivo. 8. The authors should cite and discuss more papers describing human fetal hepatoblasts, such as Dr Reid group. 9. No indication of Figure 1 in the text. It was unclear what the authors wanted to describe Figure 1.