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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
ESPS manuscript NO: 21518
Title: Human urokinase-type plasminogen activator gene-modified bone marrow-derived mesenchymal stem cells attenuate liver fibrosis in rats by down-regulating the Wnt signaling pathway
Reviewer's code: 00503623
Reviewer's country: United States
Science editor: Ze-Mao Gong
Date sent for review: 2015-08-03 11:19
Date reviewed: 2015-08-03 23:31

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

COMMENTS TO AUTHORS

In this study, BMSCs transfected with adenovirus-mediated human urokinase plasminogen activator (Ad-uPA) were transplanted into rats with CCl4-induced liver fibrosis, to evaluate possible therapeutic approach for treatment of liver fibrosis. The results revealed that uPA gene apparently was capable of BMSC modification by suppressing liver fibrosis through down-regulation of Wnt signaling pathway. This well designed and executed studies with the animal model of liver fibrosis, provides clear benefits of possible "gen therapy" in treatment of liver fibrosis. In general , the report is well written and the results are supported by the experimental data. However, for some reason, the section on "Methods" is missing the references. This is particularly evident under "Cell culture", Adenovirus infection", Detection of uPA expression", and "Biochemical assays". Also, there is no evidence that cell viability was assayed prior to "infection" procedure. Hence, these deficiencies require your additional attention.