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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 23084

Title: Tumor-specific expression of shVEGF and suicide gene as a novel strategy for esophageal cancer therapy

Reviewer's code: 02446450

Reviewer's country: United Kingdom

Science editor: Jing Yu

Date sent for review: 2015-12-04 08:51

Date reviewed: 2015-12-12 00:21

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 checked="" type="checkbox"/> High priority for publication
<input checked="" 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 checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a basic science study investigating a novel technique for targeted gene therapy for oesophageal cancer model. The study describes data reporting on transfection rates and altered gene expression profiles. The authors also report promising anti-tumour effects secondary to reduced VEGF expression and enhanced chemosensitivity. Overall, I think that the study is well conducted and well described. The techniques are appropriate and the experiments clearly written. The study topic is interesting and relevant. I would like the authors to simplify the results section and Discussion - making it clearer and more succinct. There are also quite a few grammatical errors, particularly in the Discussion section. I would also like the authors to express how they feel these data will be used in the clinical field and what they would plan to do next to advance this work.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 23084

Title: Tumor-specific expression of shVEGF and suicide gene as a novel strategy for esophageal cancer therapy

Reviewer's code: 01559576

Reviewer's country: Japan

Science editor: Jing Yu

Date sent for review: 2015-12-04 08:51

Date reviewed: 2015-12-13 11:34

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 checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input 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 type="checkbox"/> Minor revision
		BPG Search:	<input checked="" 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

Major Figure 5 does not support the authors' argument that VEGF sh RNA and yCDglyTK exerts synergistic tumor cytotoxicity because black, blue, and pink lines are almost overlapped. Figures 5 and 6B6C provide discrepant results. CPNP/yCDglyTK+5Fc could inhibit tumor growth (Figure 5) while it could not reduce VEGF expression and MVD. In figure 4A, the authors should present statistical comparison; otherwise, the degree of sensitivity to 5Fc treatment between each group can not be determined. Minor The authors should clarify what antigen the primary antibody recognizes. In figure 6, the units of vertical lines should be described. How did the authors determine that 36.8% of transcriptional activity is high. The authors should present proof that nanoparticle exhibits low toxicity in this experimental setting. Especially, it is desirable to present that known toxicities by liposome are not observed by nanoparticle.