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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 19724

Title: HCC mouse models: HBV-associated hepatocarcinogenesis and haploinsufficient tumor suppressor genes

Reviewer's code: 00068723

Reviewer's country: Japan

Science editor: Ze-Mao Gong

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Date reviewed: 2015-08-14 19:38

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 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 checked="" 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"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		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

As the authors state, mouse model is useful for research of human diseases. How was the rationality on the transgenic mouse of HBV? Did the authors think HBV caused the same conditions to mouse liver as to human? HBV did not infect mouse. This means that HBV might not cause any disease to mouse. Or HBV might cause different conditions from human. What type of changes happened in mouse expressing HBV surface antigen? Were there any similarities to human? Did HCC occur in the mouse expressing HBV surface antigen? Did HBV surface antigen play a role in HCC carcinogenesis? Many tumor suppressor genes and signaling pathways are described. It would be better to re-organize them to explain the genetic changes in transgenic mouse of HBV related genes.