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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**ESPS manuscript NO:** 15543

**Title:** Key role of hepatitis B virus mutation in chronic hepatitis B development to hepatocellular carcinoma

**Reviewer's code:** 02441405

**Reviewer's country:** United States

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-29 17:28

**Date reviewed:** 2014-12-25 00:33

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

### COMMENTS TO AUTHORS

This mini-review summarized recent research results on the gene/protein mutation of HBV related to the development of hepatocellular carcinoma (HCC). It is concise and provides useful information. Major concerns/suggestions: 1 In introduction, authors should provide a simple diagram to illustrate the viral structure pertinent to the proteins or genes to be discussed. This may greatly help readers to comprehend more about the proteins' structure, location, and their potential roles in carcinogenesis of HCC. 2. Authors may also need explain the general principles of HBV related hepatocellular carcinogenesis, for example, what are the major signaling pathways involved, so that readers can understand how the mutations of viral genes/proteins alter signaling pathways and how important those mutations in the development of HCC. 3. Although this is a mini review, authors may need include some other important findings on the mutations of HBV related to hepatic carcinogenesis. For example, HBV PreS mutations C1653T, T1753V, and A1762T/G1764A, in some studies, were associated with a strong risk factor for the development of HCC. Mutations in HBV X protein, for example, HBx5, particularly genotype C2 HBV, is related to significantly higher levels



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of NF-kB activity (CLINICAL AND VACCINE IMMUNOLOGY, June 2011, p. 914-921 Vol. 18, No. 6).  
4. The manuscript needs a great deal of improvement in English.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**ESPS manuscript NO:** 15543

**Title:** Key role of hepatitis B virus mutation in chronic hepatitis B development to hepatocellular carcinoma

**Reviewer's code:** 00069262

**Reviewer's country:** Mexico

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-29 17:28

**Date reviewed:** 2014-12-26 07:34

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input checked="" 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 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"/> No	<input checked="" 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 checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

the work of doctors Xin Zhang and Huiguo Ding is very good, well done and clear. My suggestion is to add a few tables where you can summarize the most important findings of their work as well as a figure of participation of hepatitis B in the pathogenesis of liver cancer.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**ESPS manuscript NO:** 15543

**Title:** Key role of hepatitis B virus mutation in chronic hepatitis B development to hepatocellular carcinoma

**Reviewer's code:** 01489939

**Reviewer's country:** Italy

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-29 17:28

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input 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 type="checkbox"/> No	

### COMMENTS TO AUTHORS

The paper is interesting but a revision of english language is needed. I have done some changes (attached the paper revised).