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### ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 21750

**Title:** Role of Tim-3 in hepatitis B virus infection: An overview

**Reviewer's code:** 03021397

**Reviewer's country:** Mexico

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2015-08-03 09:14

**Date reviewed:** 2015-08-14 07:37

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 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

This is a good review of the relationship of Hepatitis B Infection and Tim-3 expression on immune host response context. There is an abuse of the term "besides", it is suggested replace with synonyms. Figure 1 is in the section of conclusions and prospects, to the end of the text. It would be more useful to describe it in the first sections. Minor spell check required.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 21750

**Title:** Role of Tim-3 in hepatitis B virus infection: An overview

**Reviewer's code:** 02448976

**Reviewer's country:** United States

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2015-08-03 09:14

**Date reviewed:** 2015-08-28 11:22

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 type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input checked="" 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

The authors Yuan Liu et al., briefly introduce HBV infection in this review and the potential role of Tim-3 in that context. Then the review presents a discussion about the role of Tim-3 on various types of adaptive and innate immune cells during HBV and other viral infections. The review is thorough and summarizes important information regarding the role of Tim-3 during HBV infection on T cells and on adaptive immune cells. However, some information appears to be missing as outlined below: When discussing the various ligands for Tim-3, it is important to discuss Tim-3 regulation by CEACAM1 (Nature 2015), which the authors failed to mention. Please provide the reference for "Blockage of Tim-3 with neutralizing Ab, anti-viral immune response was rescued to a certain extent" Mention of Figure 1 is only given in the conclusion: Why not mention it earlier in relation to the various statement in the text? Under "Tim-3 and innate immune response in HBV infection" The authors wrote, "A large body of evidence has proved that Tim-3 also regulates innate immune response." This statement needs to be substantiated in more details and not left as a blanket statement. Page 12: In the description of the response of monocyte/macrophages to TLR activation there seems to be some statements unrelated to the actual review topic: The sentences "it seems to



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benefit for the phagocytosis capacity of macrophages as a receptor recognizing. Blockage of Tim-3 leads to accumulated apoptotic bodies at the uteroplacental interface[46].Tim-3 seems to be responsible for the recognition and presentation of dying cell-related antigen[47].” Make no sense or relation in my mind and that needs to be either modified or taken out. There are also many typos, grammatical errors and poor choices of words, throughout the manuscript, review by a native English speaker is absolutely needed.