



# BAISHIDENG PUBLISHING GROUP INC

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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 01560498

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2013-11-05 20:27

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" 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"/> Existed	<input checked="" 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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

Your paper is well written. It seems to be better that simple schema is provided for readers.



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 00504365

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2013-11-06 00:00

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input checked="" type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input checked="" type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This review addresses interesting questions of the interaction between HBV and its satellite virus HDV. However, there is a need for full grammar and spelling corrections. Besides this, a number of imprecisions and incorrections are present throughout the manuscript. Some examples include: Lane 26: "Hepatitis D virus (HDV) is mandatory to either co-infect or post-infect with hepatitis B virus (HBV) because HDV contains a small size of RNA (about 1.7 kb) with a single open reading frame (ORF)..." is not correct. There is no direct relationship between the size of the HDV genome and the interaction between HBV and HDV. Lane 48: "Approximately, 350 million people are HBV carriers, among them, 15 to 20 million people are infected by HDV, which remains a major world-wide public health problem". This is not correct. HDV infection is not a worldwide problem. HDV is endemic in some regions of the globe but is almost eradicated in countries where vaccines against HBV are routinely administered to the population. Lanes 60-62: Since this is a review on the cross-talk between HBV and HDV I believe that a more detailed discussion on the relationship between different virus genotypes and clinical outcome would improve the manuscript and be of interest to the readers. Lane 65: "As all viruses that enter the host cell are receptor-mediated...". This is redundancy. All viruses enter the host cell; otherwise they would be no viruses but something else. Lane 97: "The trans-activating role of SDAg in HDV replication has been demonstrated that SDAg has an ability to recruit the host's DNA-dependent RNA polymerases to drive the replication of HDV..." Although there is evidence for a role of SHDAg in the accumulation of virus RNA species, it is unclear and controversial which exact role(s) it plays. It is not proven that SHDAg recruits host DNA-dependent RNA polymerases. Moreover, it has not been proved that different polymerases participate in HDV



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RNA synthesis. These issues should be discussed by the authors. Lane 107: "The LD<sub>Ag</sub> together with SD<sub>Ag</sub> and genomic RNA, but not antigenomic RNA, assemble into RNP...". This has not been proved. There are evidences that RNPs are formed, may be even transiently, between the antigenome and Delta antigens. Shall I be wrong, than the authors should provide at least one reference supporting their statement. Lanes 113-115: Please, provide a reference Lanes 119-121: The two questions raised by the authors are not sufficiently sustained by facts besides the experiments described on their own paper (reference 43) which, in my opinion, includes conclusions not supported by the performed experiments. Lanes 149-150: There is strong evidence that detection of LHDAg in the nucleoli cultured cells is an artifact since it does not occur in the presence of virus RNA. Delta antigens are basic proteins that were already shown to bind unspecifically to several nucleic acids, including DNA. If the authors do not agree, at least should mention other works that show exactly opposite evidences. Lane 164-165: what do the authors mean by "HBsAg is detected in the ER where the HBsAg is required for glycosylation." Please, clarify this sentence. On page 8 the authors discuss a putative influence of different factors, including the different forms of HBsAg, on the efficiency of LHDAg export. The available data are, at least, controversial and therefore should be discussed with care and include other hypothesis and experimental evidences. For instance, it has been shown that HDV RNPs shuttle between the nucleus and the cytoplasm. The observation of distinct amounts of LHDAg in the cytoplasm may represent just a consequence of its retention after interaction with HBsAg. These and other issues should be discussed in more depth by the authors. Finally, on lanes 194-197, it is not clear what the authors mean. This sentence needs to be clarified.



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 01800329

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2013-11-13 00:33

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The paper reviews the current state of knowledge on the interactions between Hepatitis B and Hepatitis D in together causing liver disease. However the paper needs a lot of revision in terms of language. The authors also need to add why the interaction between the two viruses are important, if at all, in an era when HBV can be eradicated or at least suppressed with potent antiviral therapy, which will adversely influence the survival of latter virus also.



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 01560460

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2013-11-13 09:54

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

nice work.no further comments



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 02860590

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2014-04-06 22:56

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

Manuscript Title: Hepatitis D virus infection, replication and cross-talk with Hepatitis B The topic is of general interest because the hepatitis D virus (HDV) causes chronic or fulminant hepatitis in patients, as a co- or super-infection in hepatitis B virus (HBV) infected individuals. Furthermore, the molecular interactions between HDV and HBV are incompletely understood. Although the research question is important, there are some points that have to be reviewed regarding this manuscript. Specific comments: Please get a native English speaker to check the English used in the paper. Various sentences should be reviewed due to grammatical error. ? The space between the words should be reviewed throughout the manuscript. ? Line 50 - Please, substitute the bracket style [hepatitis A (HAV). ? Please, the mechanisms expounded between lines 294 and 306 are under-elaborated. There is insufficient information about the cross-talk of HDV and HBV molecules and inflammatory mediators. A clear description of the hypothesis is needed. ? References ? The references should be revised due to different aspects. First they are not in the style adopted by the journal. Second they should be reviewed due uncorrected journal abbreviation. ? Figure 1 and 2 - Please, the figure (legend) should be able to "stand alone" from the manuscript and still make sense to readers. Legends should contain sufficient information to provide an adequate understanding of the figure/graphic by the reader without reference to the text. The figures are under-elaborated and should be reviewed. ? Accept but needs revision (major and minor).



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 00054048

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2014-04-16 21:45

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This paper is well built in concepts, but needs a lot of language corrections and Literature must be up-dated with particular reference with recent improvements in anti-viral therapy. These improvements should be cited also in discussion



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## ESPS Peer-review Report

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

**ESPS Manuscript NO:** 6843

**Title:** Cross-talk between Hepatitis D Virus and Hepatitis B Virus

**Reviewer code:** 00160603

**Science editor:** Yuan Qi

**Date sent for review:** 2013-10-30 21:47

**Date reviewed:** 2014-04-21 16:33

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The review was quite comprehensive, however there was no clear message about this linkage pathogenesis of these two viruses to the impact of clinical outcome and management.