



## PEER-REVIEW REPORT

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

**Manuscript NO:** 71583

**Title:** Viral hepatitis and hepatocellular carcinoma: From molecular pathways to the role of clinical surveillance and antiviral treatment

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 02445404

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Dean, Professor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-09-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-09-14 01:04

**Reviewer performed review:** 2021-09-23 08:16

**Review time:** 9 Days and 7 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	---

### **SPECIFIC COMMENTS TO AUTHORS**

This MS described the virus on HCC in great detail, including HBV and HCV. However, this MS is more like a textbook. There are 267 references cited, but most of them were published ten or twenty years ago, which cannot exhibit recent advances in this field.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 71583

**Title:** Viral hepatitis and hepatocellular carcinoma: From molecular pathways to the role of clinical surveillance and antiviral treatment

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05088096

**Position:** Editorial Board

**Academic degree:** FAASLD, MD

**Professional title:** Professor

**Reviewer's Country/Territory:** Egypt

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-09-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-12 20:01

**Reviewer performed review:** 2021-10-20 04:21

**Review time:** 7 Days and 8 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input type="checkbox"/> ] Anonymous [ <input checked="" type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	---

### **SPECIFIC COMMENTS TO AUTHORS**

A very comprehensive and lengthy review of a very important topic, however it needs these points 1. Better division of Chapters and sub-chapters 2. Correction of the many language and spelling mistakes, the most important of them is writing hepatitis B abbreviations as follows HBsAg, HBeAg, HBcrAg.....and so on



## PEER-REVIEW REPORT

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

**Manuscript NO:** 71583

**Title:** Viral hepatitis and hepatocellular carcinoma: From molecular pathways to the role of clinical surveillance and antiviral treatment

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05689673

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Associate Research Scientist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-09-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-12 01:09

**Reviewer performed review:** 2021-10-21 01:23

**Review time:** 9 Days

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	---

### **SPECIFIC COMMENTS TO AUTHORS**

Hepatocellular carcinoma (HCC) exert huge effects on the health burden of the world because of its high mortality and poor prognosis. In this review manuscript, the authors have done an extensive review on viral and environmental factors contributing to HCC occurrence in patients with chronic viral hepatitis. They also summarized the surveillance programs recommended by international guidelines and the novel therapies for HBV and HCV infections on HCC incidence reduction. Although this is an interesting review manuscript with some new information to this research field, there are still some minor concerns which should be addressed before the acceptance for publication. 1. Authors may add some informative figures or tables to describe molecular pathways. 2. The abstract and core tips only mentioned HBV and HCV. In the main text, HDV composes a important part which has not been mentioned.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 71583

**Title:** Viral hepatitis and hepatocellular carcinoma: From molecular pathways to the role of clinical surveillance and antiviral treatment

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05559596

**Position:** Peer Reviewer

**Academic degree:** FAASLD, AGAF, MD

**Professional title:** Full Professor

**Reviewer's Country/Territory:** Thailand

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-09-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-13 12:18

**Reviewer performed review:** 2021-10-21 14:20

**Review time:** 8 Days and 2 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input type="checkbox"/> ] Anonymous [ <input checked="" type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	---

### **SPECIFIC COMMENTS TO AUTHORS**

I have read the manuscript entitled "Viral hepatitis and hepatocellular carcinoma: risk factors, molecular pathways and clinical management" with interested, however, there are many topics should be included in this review to fulfil title of this manuscript 1. Different in molecular expression of both major viruses (hepatitis B and C) 2. Different in clinical manifestation and management of both HBV-, HCV-related HCC



## PEER-REVIEW REPORT

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

**Manuscript NO:** 71583

**Title:** Viral hepatitis and hepatocellular carcinoma: From molecular pathways to the role of clinical surveillance and antiviral treatment

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05458498

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Lecturer

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Italy

**Manuscript submission date:** 2021-09-13

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-10-14 07:27

**Reviewer performed review:** 2021-10-26 02:59

**Review time:** 11 Days and 19 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
-------------------------------------	---

### **SPECIFIC COMMENTS TO AUTHORS**

The authors reviewed the molecular pathways of HCC caused by viral factors such as HBV and HCV. They emphasized the surveillance programs of different viral factors and the effect of the novel therapies for HBV and HCV infections on HCC. This review is essential for the current stage of research. However, there are a few issues the authors should consider in a revision. Firstly, the information about HDV is one of the parts in the text. However, it is not mentioned in the abstract, core tip, and conclusion. Considering that many reviews regarding HDV-caused HCC have been published in recent years (e.g., PMID: 25914778, 32039360, 34064419, etc.), combined that the authors have not described its mechanism in-depth, it is suggested to delete this part. If the authors don't want to delete it, please add the information about HDV in the abstract, the core tip, and the conclusion section, and extend the mechanism of HDV. Secondly, from the title, the authors will introduce the risk factors involving viral hepatitis associated with HCC. However, it's not mentioned in the text. On the contrary, the authors focus on the environmental factors in the introduction. It is suggested to demonstrate the risk factors involving viral hepatitis associated with HCC. Thirdly, in the text about the molecular pathway of HBV/HCV and HCC development, the authors introduce it according to the classification of viral proteins and different molecular mechanisms. It is suggested to summarize it according to one kind of logic. Fourthly, it is better to add illustrators to exhibit the molecular pathways of HBV and HCV-induced HCC. Fifthly, there are some spelling and grammar mistakes in the text. The authors need to check the whole text carefully.