



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 03486791

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-06 01:47

**Reviewer performed review:** 2021-02-06 11:47

**Review time:** 10 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 Grade E: Do not publish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
<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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA

**Telephone:** +1-925-399-1568

**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

**https://**[www.wjgnet.com](http://www.wjgnet.com)

#### **SPECIFIC COMMENTS TO AUTHORS**

Thank you for inviting me to review this paper. Vertical transmission of HBV is an important topic. However, the paper needs to be further refined.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 03793940

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Director, Professor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-02-12 06:23

**Reviewer performed review:** 2021-02-12 07:11

**Review time:** 1 Hour

<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
<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



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**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

#### **SPECIFIC COMMENTS TO AUTHORS**

The authors reviewed the risk factors and prevention tactics for HBV mother-to-child transmission (MTCT). The study was valuable. Whereas, the authors should pay some attention on the following points: 1. There were some spelling mistakes in the manuscript, e.g., "metanalysis" should be meta-analysis. 2. "7 log<sub>10</sub> copies/ml" should be correctly expressed as "10<sup>7</sup> copies/ml". "200000 IU/mL" should be expressed using the unit of copies/ml. Different kits tended to use different units. It is better to use uniformed units. 3. The strategies of preventing MTCT showed difference amid different guidelines. It is better to compare the popular guidelines in detail and cite some literatures. By the way, selection of the anti-HBV drugs is worth to be discussed. 4. It is better to add some words on the recent advance in new biomarker detection for assisting MTCT prevention and management, e.g. cccDNA and HBV-RNA.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 03755348

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-02-10 17:59

**Reviewer performed review:** 2021-02-15 03:01

**Review time:** 4 Days and 9 Hours

<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 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
<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



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160, Pleasanton, CA 94566, USA

**Telephone:** +1-925-399-1568

**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

**https://**[www.wjgnet.com](http://www.wjgnet.com)

#### **SPECIFIC COMMENTS TO AUTHORS**

The authors described that Prevention of Vertical Transmission of Hepatitis B Virus Infection. Enough papers were collected and evaluated carefully. The conclusions are valuable and guided properly like text book.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 02521014

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-18 08:51

**Reviewer performed review:** 2021-02-18 19:30

**Review time:** 10 Hours

<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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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



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

#### **SPECIFIC COMMENTS TO AUTHORS**

This review by Veronese and colleagues tries to summarize current knowledge on prevention of vertical transmission of HBV infection. The authors present a well-structured review with detailed report on existing data on prevention of vertical transmission. The following revisions are suggested 1) to provide trends and changes in the incidence of HBV infection as a result of vertical transmission after immunoprophylaxis in areas of high HBV endemicity 2) Section: Antiviral treatment during pregnancy. The authors should provide data on antiviral treatment in HBeAg negative mothers with HBV-DNA >2000IU/L 3) add references in Table 1 4) to summarize data presented in the form of key points at the end of the manuscript.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 03793940

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Director, Professor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-03-31 05:06

**Reviewer performed review:** 2021-03-31 05:28

**Review time:** 1 Hour

<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 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<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 current version is acceptable.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 63913

**Title:** Prevention of vertical transmission of hepatitis B virus infection

**Reviewer's code:** 03755348

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-02-05

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-03-30 06:22

**Reviewer performed review:** 2021-04-14 02:33

**Review time:** 14 Days and 20 Hours

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

### SPECIFIC COMMENTS TO AUTHORS

Regarding to the NO 63913 paper, it is acceptable review paper. The authors picked up



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7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA

**Telephone:** +1-925-399-1568

**E-mail:** [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

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many valuable topics and collected enough papers. Each paragraphs were well written and useful for readers