



## PEER-REVIEW REPORT

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

**Manuscript NO:** 61728

**Title:** Apolipoprotein E Polymorphism Influences Orthotopic Liver Transplantation Outcomes in Patients with HCV-induced Liver Cirrhosis

**Reviewer's code:** 05261716

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Chief Physician, Associate Professor

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

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

**Manuscript submission date:** 2020-12-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-12-26 01:00

**Reviewer performed review:** 2020-12-27 02:19

**Review time:** 1 Day and 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 Grade E: Do not publish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 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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#### **SPECIFIC COMMENTS TO AUTHORS**

HCV infection is responsible for a chronic liver inflammation, causing end-stage liver disease and HCC. ApoE is a key player in cholesterol metabolism. The authors investigated whether APOE polymorphisms may influence HCV-induced liver damage. The authors found that the E4 allele has protective effect against progression of liver fibrosis and degree of inflammation in HCV-infected patients. The study is well performed and well explained, I would suggest it publish in WJG.



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

**Manuscript NO:** 61728

**Title:** Apolipoprotein E Polymorphism Influences Orthotopic Liver Transplantation Outcomes in Patients with HCV-induced Liver Cirrhosis

**Reviewer's code:** 03021264

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-12-24

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-12-26 14:48

**Reviewer performed review:** 2020-12-28 02:03

**Review time:** 1 Day and 11 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
<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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#### **SPECIFIC COMMENTS TO AUTHORS**

The liver is the main place for protein synthesis. Transplanted liver changes the alleles of the original cirrhotic liver, and the protein synthesis function will change. So, liver transplantation can cure Wilson's disease and other metabolic liver diseases. The ApoE level and APOE may be changed after liver transplantation. In this article, DNA extraction is from oral cells, therefore, the evidence of "Apolipoprotein E Polymorphism Influences Outcomes in Patients after Liver Transplantation" is insufficient, and the genotype of the transplanted liver and postoperative blood ApoE level detection are lacking.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 61728

**Title:** Apolipoprotein E Polymorphism Influences Orthotopic Liver Transplantation Outcomes in Patients with HCV-induced Liver Cirrhosis

**Reviewer's code:** 00054120

**Position:** Peer Reviewer

**Academic degree:** FRCA, MD

**Professional title:** Professor

**Reviewer's Country/Territory:** United States

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

**Manuscript submission date:** 2020-12-24

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-12-25 15:37

**Reviewer performed review:** 2020-12-28 15:44

**Review time:** 3 Days

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

Dear Authors, thank you for submitting your work to the World Journal of Gastroenterology, it is certainly an important study which was performed on solid scientific ground. However, I have few comments about your paper; It is very confusing and little disorganized the way you presented the information about the study design and data analysis. There are multiple paragraphs about the same topic (data analysis and statistical analysis) which can be grouped in one comprehensive section under Data and statistical analysis. I think the paper needs little organization to make the information flow smoothly and make the readers engaged.