



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 03728026

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Attending Doctor, Doctor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

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

**Reviewer accepted review:** 2021-01-26 14:54

**Reviewer performed review:** 2021-01-27 09:25

**Review time:** 18 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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Accept (High priority) <input 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

## SPECIFIC COMMENTS TO AUTHORS



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

There is a close association between CHC virus infection and its metabolic complications. In this paper, the authors conduct a review on the interplay between HCV major proteins and the liver-muscle-adipose axis, and highlight current knowledge on the metabolic manifestations of Hepatitis C and the potential cellular and molecular mechanisms. The review is interesting and comprehensive, which could help us understand the systemic effects of CHC with its hepatic and metabolic complications. The manuscript and figures are well displayed.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 02538092

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

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

**Reviewer accepted review:** 2021-01-25 02:50

**Reviewer performed review:** 2021-01-27 11:36

**Review time:** 2 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 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 checked="" type="checkbox"/> Accept (High priority) <input 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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In this review, the authors highlights and provides useful information about the metabolic derangement of Hepatitis C and its potential pathways to influence the natural history of the disease. It will remind physicians to pay close attention to the metabolic parameters in HCV patients especially cirrhotics and patients on the waiting list for transplantation. Thus, this is a meaningful review to be punished.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 03446972

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Chief Physician, Professor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

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

**Reviewer accepted review:** 2021-01-28 11:40

**Reviewer performed review:** 2021-01-31 13:04

**Review time:** 3 Days and 1 Hour

<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 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

This review highlights knowledge on the metabolic manifestations of Hepatitis C and the potential pathways in which these metabolic changes can influence the natural history of the disease. In this paper, more attention is paid to the influence of hepatitis C on metabolic problems, while the influence of metabolic diseases on hepatitis C is less mentioned, which may be related to the major of the author. This is also the crux of this article is not comprehensive.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 03293832

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Senior Research Fellow

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

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

**Reviewer accepted review:** 2021-01-25 04:45

**Reviewer performed review:** 2021-02-01 03:42

**Review time:** 6 Days and 22 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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The manuscript entitled 'Metabolic complications of Hepatitis C virus infection' discuss the disease in the context of systemic abnormality. The contents are well-organized, interesting and suggestive and deserves publication in World Journal of Gastroenterology as a review article. Minor comments

1. In lines 12-13 of Abstract, 'these three organs' may be 'these organ and tissues'.
2. In line 14 of Abstract, 'Liver' may be 'liver'.
3. In the text, there are too many abbreviations. List of abbreviations will be helpful. And following may be avoided because of low repetition and low popularization; SMML (skeletal muscle mass loss), TG (triglyceride), SVR (sustained virologic response).
4. Please define LDL-C (P.10, Line 8 from the top) and IRS2 (P.10, Line 6 from the bottom).
5. In Table 1, please add a brief explanation to NS3 'a serine protease' to account for the nature. Please define NS5 as NS5A, NS5B, or both, and add a brief explanation as well as NS3.
6. In Figure 1, please define 'IR' and 'Adv. (is this 'advanced'?'. In addition, 'fibrinogenesis' under 'Chronic HCV' may be started with 'F'.
7. In Figure 2, please define 'FFA', 'IR', and 'ADV.'



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 03293832

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Senior Research Fellow

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2021-02-19 04:21

**Reviewer performed review:** 2021-02-19 05:39

**Review time:** 1 Hour

<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 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 checked="" type="checkbox"/> Accept (High priority) <input 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

All comments have been addressed.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 03728026

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**Professional title:** Attending Doctor, Doctor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2021-02-19 04:19

**Reviewer performed review:** 2021-02-19 07:59

**Review time:** 3 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 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 checked="" type="checkbox"/> Accept (High priority) <input 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 questions have been well addressed accordingly. This review is interesting and



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

comprehensive, which could help us understand the systemic effects of CHC with its hepatic and metabolic complications. This review deserves publication in World Journal of Gastroenterology.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 63044

**Title:** Metabolic complications of hepatitis C virus infection

**Reviewer's code:** 02538092

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United Kingdom

**Manuscript submission date:** 2021-01-23

**Reviewer chosen by:** Le Zhang

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**Reviewer performed review:** 2021-02-19 13:01

**Review time:** 1 Hour

<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 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 checked="" type="checkbox"/> Accept (High priority) <input 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

All comments have been addressed.