



## PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00051373

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 09:42

**Reviewer performed review:** 2020-05-09 05:46

**Review time:** 2 Days and 20 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 Grade E: Do not publish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 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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#### **SPECIFIC COMMENTS TO AUTHORS**

This is a nice basic review focus on the monoacylglycerol lipase function and fatty acids partitioning in the horizons of liver disease. Well manuscript written and clarify mechanism descript.



### PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 03656613

**Position:** Peer Reviewer

**Academic degree:** BSc, MD

**Professional title:** Chief Doctor, Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 05:35

**Reviewer performed review:** 2020-05-09 07:40

**Review time:** 3 Days and 2 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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#### **SPECIFIC COMMENTS TO AUTHORS**

Currently many literatures reveal that monoacylglycerol lipase (MGL) is involved in the mechanisms of in liver diseases. In this manuscript, the authors review the relevant details. The manuscript contains provide novel information to the readers. It is suggested that abstract should focus on monoacylglycerol lipase instead of some things else.



### PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00503536

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-08 11:52

**Reviewer performed review:** 2020-05-09 13:46

**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 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**

The manuscript written by Tardelli M. review the role of monoacylglycerol lipase (MGL) in the lipid metabolism, inflammation and cell growth. The author also demonstrates the possible contribution of MGL to the development of cholestatic liver disease, NAFLD, fibrosis or HCC, and summarized the underlining molecular mechanisms that have been reported so far. Although there are many unclear points how important MGL is in the pathogenesis of various liver disease, the review provides important information to the readers. Minor point 1. It would be better, if a scheme showing the role of MGL in the inflammation, cholestasis or tumorigenesis could be provided.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02438768

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 04:13

**Reviewer performed review:** 2020-05-10 01:15

**Review time:** 3 Days and 21 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 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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**https://**[www.wjgnet.com](http://www.wjgnet.com)

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

Comments for ESPS Manuscript NO 55458 This Minireview is a well written one. I have no specific comments.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00182114

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor, Surgeon

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-10 08:07

**Reviewer performed review:** 2020-05-10 12:14

**Review time:** 4 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 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 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**

Monoacylglycerol transferase 2 (MGAT2) is a pivotal enzyme in the monoacylglycerol pathway for triacylglycerol synthesis. The pathway for triacylglycerol synthesis has provided several attractive targets for drug discovery in the treatment of metabolic diseases. Author writes that MGL inhibition had a protective effect on hepatocyte for ischemia-reperfusion injury and ccl4 induced acute liver injury. I ask some questions to author. 1. Please tell me the detail etiology which MGL inhibitor had a good effect for re-perfusion injury and CCL4 induced liver failure. 2. Author concluded that MGL will have a good effect for insulin resistance type 2 DM in the future. Please tell me the etiology which MGL is good effect for type 2 DM.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02446498

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 05:00

**Reviewer performed review:** 2020-05-11 08:40

**Review time:** 5 Days and 3 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 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**

In this manuscript, the author review recent findings about MGL. This is a well-written review. I have only a minor comment. 1. The authors discuss beneficial effects of MGL inhibition in the treatment of several disease models, such as diabetes, acute liver injury and HCC. Please summarize the possible therapeutic applications of MGL inhibitor by modifying Figure 2 or drawing an additional figure.



### PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02444986

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Academic Research, Doctor, Professor, Research Scientist

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 03:18

**Reviewer performed review:** 2020-05-11 11:59

**Review time:** 5 Days and 8 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>Re-review</b>	[ ] Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes <input checked="" type="checkbox"/> No



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

Authors concisely reviewed the MGL, monoacyl glycerol lipase in liver disease and potential therapeutic effects of MGL inhibition. the meaning of abrivations should be given at figure legands.



## PEER-REVIEW REPORT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02440884

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2020-05-06 15:51

**Reviewer performed review:** 2020-05-11 17:45

**Review time:** 5 Days 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 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**

The review addresses the enzyme monoacylglycerol lipase (MGL) in reprogramming lipid precursors. MGL activities are involved in the arachidonic acid metabolism. The important study using mice lacking MGL exclusively in the myeloid lineage study is cited. focused on the prediction of dyslipidemia after liver transplantation. In a very good clinical setting the pro-inflammatory cytokine IL-12 was identified as a potential marker predicting post-transplant dyslipidemia (PTDL). Dendritic cells are suggested as the important source of IL-12. Comments 1. The interesting part of the manuscript concerning the putative role of MGL in the liver-gut axis should be illustrated with a scheme.

#### **RE-REVIEW REPORT OF REVISED MANUSCRIPT**

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02440884

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-25 18:04

**Reviewer performed review:** 2020-05-25 18:13

**Review time:** 1 Hour



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<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>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 Points are addressed; I have no further Questions.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02438768

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-26 00:51

**Reviewer performed review:** 2020-05-26 01:19

**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 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>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

Comments for ESPS Manuscript NO 55458 The manuscript has been revised in line



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with the Reviewers' comments. I have no specific comments.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 03656613

**Position:** Peer Reviewer

**Academic degree:** BSc, MD

**Professional title:** Chief Doctor, Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-26 07:05

**Reviewer performed review:** 2020-05-26 07:20

**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 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>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 revision of manuscript has been significantly improved according to the reviewer's



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suggestions.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00182114

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor, Surgeon

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-25 11:07

**Reviewer performed review:** 2020-05-26 08:08

**Review time:** 21 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 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>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

Monoacylglycerol lipase (MGL) is the last enzymatic step in triglyceride degradation,



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hydrolyzing monoglycerides into glycerol and fatty acids (FAs) and converting 2 - arachidonoylglycerol into arachidonic acid, thus providing ligands for nuclear receptors as key regulators of hepatic bile acid (BA)/lipid metabolism and inflammation. Author aimed to explore the role of MGL in the development of HCC,CCC ,ALD, disease so far lacking effective pharmacological therapy. I ask some questions. 1.

May MGL inhibition be considered as potential therapy for sclerosing cholangitis? 2.

May MGL inhibition be considered as potential therapy for Type-2 DM? 3. Please comment the relationship between MGL, gut flora and bile acid.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00051373

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-25 12:51

**Reviewer performed review:** 2020-05-26 12:54

**Review time:** 1 Day

<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 revisions already address the reviewers' comments.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02444986

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Academic Research, Doctor, Professor, Research Scientist

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-26 08:32

**Reviewer performed review:** 2020-05-26 18:30

**Review time:** 9 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 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

no additional comment.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 02446498

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-25 11:06

**Reviewer performed review:** 2020-05-26 23:27

**Review time:** 1 Day and 12 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>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

My comment has been addressed.



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript NO:** 55458

**Title:** Monoacylglycerol lipase reprograms lipid precursors signaling in liver disease

**Reviewer's code:** 00503536

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-03-18

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-05-25 10:48

**Reviewer performed review:** 2020-05-28 00:18

**Review time:** 2 Days and 13 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>	<input checked="" type="checkbox"/> Accept (High priority) [ ] 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

None



**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)