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OPEN PEER REVIEW

The Effect of Lipopolysaccharide-Stimulated Adipose-Derived Mesenchymal Stem Cells on NAFLD Treatment in High-Fat Diet-Fed Rats

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

2 comments · 3 Mar 2023 – 15 Mar 2023

Referee 1 Reviewer

MAJOR REVISION 3 Mar 2023

Thanks to the authors, the whole idea is quite intriguing; however, some points need to be clarified or corrected:
1- First and foremost, this manuscript needs structural and grammatical revision. Here are some examples: line 362: “the primer sequences of gene”; Table 2: “reversed primer”; lines 193, 216, 229 and 240: “followed by” is misused instead of the correct word “following”. Kindly recheck the entire manuscript.
2- As you stimulated/conditioned the ADSCs with LPS, this must be mentioned in the title.
3- Rats and fenofibrate do not seem to be the proper keywords here. Fenofibrate is used as a sort of standard in this project. For sure, better keywords can be suggested.
4- In the method section, LPS treatment is not addressed. The concentration of LPS and time of treatment may have been optimized. The result of such optimization must be stated in the results section.

Associate Editor

MAJOR REVISION 15 Mar 2023

Major revision

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Dear Editor-in-Chief

We appreciate the valuable comments of reviewers. Based on the indicated comments of reviewers, we revised the manuscript entitled “Adipose derived-mesenchymal stem cells improves hepatic steatosis by modulating inflammatory cytokines and oxidative stress in high fat diet-fed rats” as below

Reviewer 1:

1- First and foremost this manuscript needs structural and grammatical revision. Here are some examples: line 362; “the primer sequences of gene”, Table 2; “reversed primer”, lines 193, 216, 229 and 240; “followed by” is mis-used instead of the correct word “following”. Kindly re-check all the manuscript.

Answer: With regard to the opinion of the respected reviewer, the article was revised and the incomprehensible sentences were rewritten. Also, the sentences that were written as (the primer sequences of gene, reversed primer, followed by) were changed to (Primer Sequences used for gene expression analysis, reverse primers, followed by). All the changes were highlighted in yellow in the text. Thanks

2- As you stimulated/conditioned the ADSCs with LPS, this must be mentioned in the title.

Answer: Respecting the opinion of the esteemed referee, the word "LPS" was added to title. Thanks.

3- Rats and fenofibrate do not seem to be the proper key words here. Fenofibrate is used as sort of standard in this project. For sure better key words can be suggested.

Answer: The opinion of the respected referee is completely correct. Rats and fenofibrate that were written as keywords were replaced with TGF-β, and Inflammation.Thanks.

4- In method section, there is no addressing of LPS treatment. The concentration of LPS and time of treatment may have been optimized. The result of such optimization must be stated in results section.

Answer: The opinion of the respected referee is completely correct, and steps, the concentration of LPS and time of treatment were explained in method section. Also, the effects of the treatment with ADSCs which were stimulated with LPS on the genes expression has been compared with its non-

stimulated type that the results were written in results section that they are highlighted in purple in the text. Thanks a lot.

2 Revision 1

2 comments · 14 Apr 2023 – 16 Apr 2023

Referee 1 Reviewer

MINOR REVISION 14 Apr 2023

Thanks for the reply.

Associate Editor

MINOR REVISION 16 Apr 2023

The manuscript needs revision for language and grammar.

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Dear Editor-in-Chief

We appreciate the valuable comments of reviewers. Based on the indicated comments of reviewers, we revised the manuscript entitled “LPS-stimulated adipose-derived mesenchymal stem cells alleviate hepatic steatosis by modulating inflammatory cytokines and oxidative stress in high-fat diet-fed rats” as below

Associate Editor 1:

The manuscript needs revision for language and grammar.

Hello. The article was completely revised and corrected in terms of language and grammar. Thanks

3 Revision 2

1 comment · 8 May 2023

Associate Editor

ACCEPT 8 May 2023

Accept