PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 67058

Title: Metabolic and inflammatory functions of cannabinoid receptor type 1 are differentially modulated by adiponectin

Reviewer's code: 03002584

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: United States

Manuscript submission date: 2021-04-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-21 04:03

Reviewer performed review: 2021-04-21 04:37

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I read your manuscript entitle "Metabolic and inflammatory functions of cannabinoid receptor type 1 (CB1) are differentially modulated by Adiponectin "interestingly. I have some minor point for increase the quality of paper 1. Please rewrite the abstract according to journal norm (250-300 words) 2. Please define how evaluated the ITT and GTT variables (which device and which method), as well as add the necessary information such as detection range and intra and inter assay.   3. Please give more reliable data about flow cytometry devise and monoclonal antibody lot no.   4. Please define group study specifically, (where is control group) 5. Please complete the statically analysis (You did not use the non parametric tests) 6. Please add the primers use in this study. 7. Please improve the header of table (The captions and descriptions of the tables are very vague) 8. Please add the more new references in conclusion   Best regards

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 67058

Title: Metabolic and inflammatory functions of cannabinoid receptor type 1 are differentially modulated by adiponectin

Reviewer's code: 04737606

Position: Editorial Board

Academic degree: DSc, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Ukraine

Author's Country/Territory: United States

Manuscript submission date: 2021-04-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-22 13:36

Reviewer performed review: 2021-04-26 20:32

Review time: 4 Days and 6 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The study is well designed and properly carried out. It reveals a new data regarding the cannabinoid receptors and their impact in adipogenesis, thermogenesis and insulin resistance. Minor remarks are to rephrase the sentence: These results suggest that rimonabant may regulates adiponectin expression in adipocytes, and that the metabolic effects of rimonabant could be due at least in part to due to enhanced adiponectin secretion, and to indicate several abbreviations:PBS, PGC etc