

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 68694

Title: Role of Cannabinoids and the Endocannabinoid System in Modulation of Diabetic Cardiomyopathy

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05687852

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Egypt

Manuscript submission date: 2021-05-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-08 15:18

Reviewer performed review: 2021-06-16 13:27

Review time: 7 Days and 22 Hours

Scientific quality	<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 Grade E: Do not publish
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting review to introduced the role of cannabinoids and the endocannabinoid system in modulation of diabetic cardiomyopathy. This review aims to elucidate the possible mechanisms through which cannabinoids and the endocannabinoid system could interact with the pathogenesis and the development of diabetic cardiomyopathy. These mechanisms include oxidative/nitrative stress, inflammation, accumulation of AGEs, cardiac remodeling, and autophagy. Better understanding of the role of cannabinoids and the endocannabinoid system in diabetic cardiomyopathy may provide novel strategies to manipulate such a serious diabetic complication. However, I still have some minor suggestions. 1, It would be much better that the author can use some Table or Figure to summarize these useful information, so that the reader can easier to learn the updating knowledge in this review article.

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 68694

Title: Role of Cannabinoids and the Endocannabinoid System in Modulation of Diabetic Cardiomyopathy

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05393147

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Egypt

Manuscript submission date: 2021-05-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-08 10:15

Reviewer performed review: 2021-06-17 04:05

Review time: 8 Days and 17 Hours

Scientific quality	<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
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
-------------------------------------	---

SPECIFIC COMMENTS TO AUTHORS

This article aims to elucidate the possible mechanisms through which cannabinoids and the endocannabinoid system could interact with the pathogenesis and the development of diabetic cardiomyopathy. Better understanding of the role of cannabinoids and the endocannabinoid system in diabetic cardiomyopathy may provide novel strategies to manipulate such a serious diabetic complication. This article has a clear logic and a comprehensive summary, but there are still some small problems. 1、 In the introduction section, the description of diabetic cardiomyopathy and cannabinoids and the endocannabinoid system can be simplified. 2、 It is hoped that the author can provide a map of the mechanism so that readers can better understand the role of cannabinoids and the endocannabinoid system in diabetic cardiomyopathy.

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 68694

Title: Role of Cannabinoids and the Endocannabinoid System in Modulation of Diabetic Cardiomyopathy

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05128663

Position: Editorial Board

Academic degree: BSc, MD, MSc, PhD

Professional title: Academic Research, Attending Doctor, Postdoc, Research Associate, Research Fellow

Reviewer's Country/Territory: Greece

Author's Country/Territory: Egypt

Manuscript submission date: 2021-05-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-12 04:27

Reviewer performed review: 2021-06-21 17:19

Review time: 9 Days and 12 Hours

Scientific quality	<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
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<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

Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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 article with the title “The Role of Cannabinoids and the Endocannabinoid System in Modulation of Diabetic Cardiomyopathy” is in generally well done, but I would offer these comments to the investigators: 1) Several words throughout the manuscript appear to be merged. Please correct it. 2) Some minor grammatical errors occur. The manuscript contains significant language-related issues. Please correct these types of grammatical errors throughout the paper. 3) The references are quite old. Please add or replace some of the current references with more recent articles. 4) I strongly suggest to add some figures and tables which summarize the main topic of the manuscript. 5) In the section “3.5. Autophagy” authors should explain the main step of autophagosome formation. 6) In the section “3.5. Autophagy” authors should add details about the role of ATGs and some autophagy markers such as Beclin-1, LC3 and p62. 7) The titles of section and sub-section of the manuscript must be revised in order to reflect more accurate informations.