

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 84159

Title: Adiponectin as a therapeutic target for diabetic foot ulcer

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03122873

Position: Peer Reviewer

Academic degree: DSc, FRCS (Ed), MBBS

Professional title: Academic Research, Director, Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Malaysia

Manuscript submission date: 2023-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-01 06:13

Reviewer performed review: 2023-03-06 09:09

Review time: 5 Days and 2 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<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
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is a very good review on the importance of adiponectin in the molecular assessment for Diabetic foot ulcer. The facts about its relationship with inflammation, fibrosis, angiogenesis and cellular activities are well described. DMU is a complicated pathology related to DM, infection, regional and local blood supply etc. To deal with it, the multifactorial influences should be discussed together. Not to target only at one area, one marker. Authors could discuss, to be realistic, whether adiponectin is suitable only as a marker of pathological process.

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Reviewer's code: 05745157

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: Malaysia

Manuscript submission date: 2023-02-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-28 11:17

Reviewer performed review: 2023-03-09 07:12

Review time: 8 Days and 19 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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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 checked="" type="checkbox"/> Yes <input 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

My specific comments are. 1. As mentioned in abstract one of objection is to identify areas where further research is needed in order to fully understand the effects of adiponectin on DFUs and to establish its safety and efficacy as a treatment for DFUs in the clinical setting... but I could not find any research information or any other future direction research on areas where further research is needed its safety in the manuscript. Author has to cover these areas of future research as mentioned in abstract. 2. As per literature evidence that Adiponectin have a great healing potential on DFU, However it could checked out and discussed about other ie route of administration either by oral or topical if topical route, what is the stability of Adiponectin on site /type of formulations etc.. 3. The underlying mechanism of Adiponectin healing foot ulcer via different molecular signalling mechanism could have been explained well with more appropriate diagram /figures 4. What about evidence data about anti-oxidant and anti-bacteria studies? DFU is normally infected with bacterial biofilm. 5. In addition to the above comments, I recommend the authors to update more recent relevant publications on treatment of DFU in the references list.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05745157

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Malaysia

Author's Country/Territory: Malaysia

Manuscript submission date: 2023-02-28

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-04-10 09:34

Reviewer performed review: 2023-04-12 06:09

Review time: 1 Day and 20 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 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
Conclusion	<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
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

Review comments are addressed well.