

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 88347

Title: Mitochondrial dysfunction in type 2 diabetes: A neglected path to skeletal muscle atrophy

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04471788

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Bangladesh

Author's Country/Territory: China

Manuscript submission date: 2023-09-21

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-03 08:15

Reviewer performed review: 2023-11-03 08:25

Review time: 1 Hour

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 Grade E: Do not publish
Novelty 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 novelty
Creativity or innovation 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 creativity or innovation

Scientific significance of the conclusion in 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 scientific significance
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 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

1) Please write the problem statement or research gap (What you want to do and why) in introduction clearly. 2) Based on these gaps, write your contributions very specifically at the end of Introduction in bullet points. 3) Write the related works group wise. Please make group with similar type of papers and the review those papers analytically. At the end of related works, please write what are you going to solve. 4) Please read and cite: a) Predicting the onset of type 2 diabetes using wide and deep learning with electronic health records (2019), b) Early detection of type 2 diabetes mellitus using machine learning-based prediction models (2020), c) Analysis the Significant Risk Factors on Type 2 Diabetes Perspective of Bangladesh (2018), d) Diabetic Retinopathy Detection Using PCA-SIFT and Weighted Decision Tree (2019), e) Prediction of type 2 diabetes using machine learning classification methods(2020)

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Title: Mitochondrial dysfunction in type 2 diabetes: A neglected path to skeletal muscle atrophy

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03252981

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2023-09-21

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-01 23:32

Reviewer performed review: 2023-11-04 01:28

Review time: 2 Days and 1 Hour

Scientific quality	<input 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 checked="" type="checkbox"/> Grade E: Do not publish
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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 manuscript described the issue of the muscle atrophy in type 2 diabetes. The direction of the manuscript is unclear. The authors repeatedly state the complexity of pathogenesis and problem in health care on muscle atrophy in type 2 diabetes. However, the description is superficial and unclear. If a role of gene Mitofusin-2 in muscle atrophy is novel, the description needs to be focused on the novel role of the gene. The manuscript is submitted as Editorial. A novel point needs to be clearly presented to readers. Precise and concise list of important references, which supports the understanding of a novel point, should be followed. The numbers of references do not exceed more than 10. There are strange sentences and mistakes of typing. The manuscript needs thorough revision and editing.