

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 61329

Title: Fear of hypoglycemia, a game changer during physical activity in type 1 diabetes mellitus (T1DM) patients

Reviewer's code: 05824330

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Croatia

Manuscript submission date: 2020-12-02

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-02-19 03:35

Reviewer performed review: 2021-02-25 01:10

Review time: 5 Days and 21 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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Accept (General priority) <input 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 checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The study has importance to understand a summary of available literature regarding FoH in children and adults and available tools to avoid it. As written in the current study, exercise physiology and the different effects aerobic, anaerobic, resistance training and HIIT have on glycemic levels can minimize the risk of hypoglycemia and improve T1DM management, especially in the setting of new technology and improved insulin on board. Besides, they also presented the potential mechanisms which can be used to minimize the hypoglycemia frequency and therefore also the fear of hypoglycemia in order to help T1DM reach the proposed physical activity levels and improve physical and psychological health. I considered the authors had made a successful work if they maybe use meta-analysis to combine the results of multiple scientific studies.