

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 71309

Title: Hypoglycemia in diabetes: An update on pathophysiology, treatment, and prevention

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04152279

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Israel

Manuscript submission date: 2021-09-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-03 12:50

Reviewer performed review: 2021-09-06 14:21

Review time: 3 Days and 1 Hour

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|---------------------------|---|
| 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 Grade E: Do not publish |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 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 |

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| 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 |
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SPECIFIC COMMENTS TO AUTHORS

This article looks at hypoglycemia as a common complication of diabetes, and points out that this complication occurs mainly in patients treated with insulin, sulfonylureas or glennaide. Hypoglycemia insensitivity is the main risk factor of severe hypoglycemia. It also shows that the onset of hypoglycemia is related to physical and mental diseases. The fear of hypoglycemia impairs the patient's ability to achieve good blood glucose control. It is pointed out that in order to prevent hypoglycemia, a lot of energy must be invested in educating patients about risk factors, early symptoms and early hypoglycemia treatment, and setting personalized goals for blood glucose control. In this review, the researchers have made a comprehensive update on the treatment and prevention of hypoglycemia in patients with type 1 and type 2 diabetes, which is a rare review.

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Provenance and peer review: Invited manuscript; Externally peer reviewed

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Reviewer's code: 03302550

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Israel

Manuscript submission date: 2021-09-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-09-07 00:01

Reviewer performed review: 2021-09-09 09:57

Review time: 2 Days and 9 Hours

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|--------------------|---|
| 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 |
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| Re-review | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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|-------------------------------------|---|
| 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 |
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SPECIFIC COMMENTS TO AUTHORS

Herein the paper present the recent data on the treatment and prevention of hypoglycemia in diabetes, with a focus on the benefits of treatment adjustment and the role of continuous glucose monitoring from eleven aspects. The innovation of this paper is insufficient. However, there are still some problems to be solved. For example: 1.The content of hypoglycemia caused by oral drugs is suggested to be added in the introduction. 2.Does concentration also appear in neuroglycopenic symptoms? For example, some patients will repeat the same action.