

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Pediatrics*

Manuscript NO: 78664

Title: "Insulin pumps in children - a review"

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06279760

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: North Zealand

Author's Country/Territory: Bahrain

Manuscript submission date: 2022-07-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-10 10:41

Reviewer performed review: 2022-07-11 09:22

Review time: 22 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 Grade E: Do not publish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 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	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

First, I congratulate the author on this well-written and relevant review on insulin pumps in children with diabetes. This manuscript is written in an easy-to-understand language so that both diabetes-educated and non-diabetes-educated healthcare professionals benefit from the manuscript. The manuscript is, however, very long and might be shortened by avoiding repetitions, deleting non-crucial or relevant information (focus only on insulin pumps in children), and making the language more concise. Please use the same font in the body text of the whole manuscript. I suggest major revision, primarily due to the lack of a method paragraph and due to the increased readability by shortening the body text of the manuscript. Title: I would prefer "Insulin pumps in children - a review" to "Insulin pumps in children: Obstacles and solutions; How to improve adherence, " as the author's main focus is not on improving adherence or solutions but on generally describing the insulin pump technology and daily use of this technology in children. Abstract: Well written and concise. Key words: Good. Background: Well written, however, a long paragraph. The historical paragraph about the discovery and development of insulin should be shortened as it is not the main focus of this review. Methods: Not described. The databases (PubMed, Embase etc.) and the search string on these databases should be stated. Results: Please provide an overview of how the selection of articles was done as per standard in reviews (a flow chart). Discussion: Very nice paragraph which covers all relevant issues regarding insulin pumps in children, except the role of alcohol in regard to glucose metabolism, please make a short comment on this topic for patients in puberty and adolescence. Illustrations and Tables: Nive and simple figures. Please refer to WHICH figure in the figure text you refer to generally (eg., left and right panel for figure

1). Biostatistics: Not relevant. Units: Please provide all units of glucose levels in mmol/L and mg/dL in the text and in the figures. References: Relevant references. Please see specific comments in the manuscript attached. Quality of manuscript organization and presentation: Good. Research methods and reporting: Not sufficient. Please see the comment on the "method" above. Ethics statements: Not relevant. This is a review.

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Reviewer's code: 03199608

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Physician, Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Bahrain

Manuscript submission date: 2022-07-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-11 03:27

Reviewer performed review: 2022-07-12 09:33

Review time: 1 Day and 6 Hours

Scientific quality	<input checked="" 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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Insulin pumps in children, in the paper authors reviewed history, instructions, indication, complications. The insulin pump is a significant step in proper diabetes management. Insulin pumps undergo significant daily improvement continuously to enhance their performance. The insulin pump is beneficial for children with type I diabetes mellitus. The comprehensive review with its academic and practical feature, will be attractive to ordinary people as well. Some minor spelling problems need to be checked, please kindly find in the manuscript revision edition submitted.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 06279760

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: North Zealand

Author's Country/Territory: Bahrain

Manuscript submission date: 2022-07-08

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2022-08-04 09:23

Reviewer performed review: 2022-08-04 09:39

Review time: 1 Hour

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

I believe all relevant changes have been made to this manuscript.