



## 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

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	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

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



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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

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
<b>Language quality</b>	[ ] Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes [ ] No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous [ ] Onymous



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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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**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

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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**

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