

## **Reply to the Reviewer/Editor.**

Dear Respected Editor/Reviewer

Good day

Thank you very much for the comprehensive review and the precious time you spent reviewing this study. We did the advised changes and answered the queries. All the changes were marked in red for easy tracking by the reviewer. The manuscript looks much better with these changes, and we tried to improve the language as we could. Thank you again for your precious assistance.

Here we are replying point by point:

### **Reviewer 1:**

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.

Our Reply: Thank you very much for your positive comments

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.

Our Reply: We revised the manuscript, and shortened it as we can but not to affect the scientific content. We deleted the non-crucial or relevant information and tried to concise the language as we can.

Please use the same font in the body text of the whole manuscript.

Our Reply: The font is the same all over the manuscript (Book Antiqua) that is used by the journal. We used bold only in The title and headings and subheadings. This also will be revised while editing the proof, according to the journal style.

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.

Our Reply: Thank you very much, we do appreciate your suggestion and we think this will improve the quality 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.

Our Reply: We changed the title as suggested.

Abstract: Well-written and concise.

Our Reply: Thank you

Keywords: Good.

Our Reply: Thank you

Background: Well written, however, a long paragraph.

Our Reply: We tried to shorten it.

The historical paragraph about the discovery and development of insulin should be shortened as it is not the main focus of this review.

Our Reply: We shortened the history as we can.

Methods: Not described. The databases (PubMed, Embase etc.) and the search string on these databases should be stated.

Our Reply: We added a method section.

Results: Please provide an overview of how the selection of articles was done as per standard in reviews (a flow chart).

Our Reply: We added a results section with 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.

Our Reply: We added a paragraph about the alcohol effects has on adolescents with DM and how to manage it.

Illustrations and Tables: Nice and simple figures. Please refer to WHICH figure in the figure text you refer to generally (eg., left and right panel for figure 1).

Our Reply: The figure was updated thank you.

Biostatistics: Not relevant.

Our Reply: Thank you

Units: Please provide all units of glucose levels in mmol/L and mg/dL in the text and in the figures.

Our Reply: units of glucose levels in mmol/L and mg/dL were updated all over the manuscript.

References: Relevant references.

Our Reply: Thank you

Please see the specific comments in the manuscript attached.

Our Reply: All the comments in the manuscripts were considered and we corrected the manuscript accordingly.

Quality of manuscript organization and presentation: Good.

Our Reply: Thank you

Research methods and reporting: Not sufficient. Please see the comment on the "method" above.

We added a method and results section according to your guide.

Ethics statements: Not relevant. This is a review.

Our Reply: Thank you

**Reviewer 2:**

Insulin pumps in children, in the paper authors, reviewed history, instructions, indication, and 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 features will be attractive to ordinary people as well. Some minor spelling problems need to be checked, please kindly find them in the manuscript revision edition submitted.

Our Reply: Thank you very much for your positive comments. We corrected the spelling mistakes and updated the manuscript according to your guidelines.

## **Editorial Comments**

**LANGUAGE POLISHING:**

Native English-speaker did language polishing

**ABBREVIATIONS**

The basic rules on abbreviations were strictly followed

**EDITORIAL OFFICE'S COMMENTS:**

**All the editorial instructions were followed in finalizing this manuscript.**

On behalf of all authors, we thank editors and reviewers for their support during the publication of this manuscript.

Many thanks

**Professor Mohammed Al-Biltagi**