Author’s response to reviews

Title: Impaired awareness of hypoglycemia in children and adolescents with type 1 diabetes mellitus in North of Jordan

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Author’s response to reviews:

Shabana Saleem (Reviewer 3) has no comments.

Research Square (Reviewer 4): "STATISTICAL REVIEWER ASSESSMENT:

1) In sample size calculation: 1.96 is the value of Z, not t. The value of t with 0.025 tail probability would be little more than this value.

Authors' response: t was changed to z in the formula that was used to calculate sample size. The value of z was used in the calculation was1.96 according to reference number 14 in the manuscript.

Change to manuscript: Methods section, second paragraph, under participants: “t” was replaced by “z” in the formula that was used to calculate sample size.

2) In Statistical analysis: the word differences in categorical variables should be replaced by association between categorical variables.

Authors' response: The word “differences in categorical variables” was replaced by “association between categorical variables”.

Change to manuscript: Methods section, statistical analysis, sixth line in the paragraph: “differences in categorical variables” was replaced by “association between categorical variables”.

3) In table 2: In adherence to insulin administration. Number of cells have expected counts are 2 (33.3%). Therefore chi square is not a valid test. Furthermore, it is 3 x 2 contingency table. Therefore, Fisher's Exact test cannot be applied. Merge two rows to make it 2 x 2 table.

Authors' response: Two rows were merged (under adherence to insulin administration) in both Table 1
and Table 2.

Change to manuscript: Table 1 and Table 2 two of the three rows of adherence to insulin adherence were merged as required. Changes in both tables are highlighted in yellow.

4) In table 4: Instead of mean ranks, the median and interquartile range column should be given. Because mean ranks are intermediate computed values, which do not give any meaningful information.

Authors' response: There is no Table 4. I think the reviewer is talking about Table 3. However, mean ranks were replaced by median (interquartile ranges).

Change to manuscript: Table 3: mean ranks were replaced by median (interquartile ranges). Changes are highlighted in yellow.

Banshi Saboo (Reviewer 5) has no comments