Reviewer’s report

Title: An international survey on hypoglycemia among insulin-treated type I and type II diabetes patients: Turkey cohort of the non-interventional IO HAT study

Version: 0 Date: 23 Oct 2017

Reviewer: Akinobu Nakamura

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Authors investigated the percentage of patients experiencing hypoglycemic episodes and difference in the incidence of hypoglycemic episodes before and after the baseline visit retrospectively and prospectively among insulin treated patients with T1DM or T2DM using a patient-reported dataset on hypoglycemia in Turkish. The results from this study confirms that hypoglycemia remains under-reported. This study was well designed and this manuscript was written accurately and concisely. There are, however, a few points which should be addressed for publication in this journal.

Specific comments

Criticism 1: (Results) Line 243: "The impact of hypoglycemia was greater in the 6-month retrospective period than in the 4-week prospective period." This sentence is hardly understandable.

Criticism 2: (Results) Line 286: "A weak positive correlation between frequency of glucose monitoring and the rate of any hypoglycemic events reported was observed in T1DM and T2DM patients." Authors should show the data of correlation coefficient and p value, respectively.

Criticism 3: (Discussion) Line 331: "a higher impact on healthcare resources and patients' productivity was seen in the retrospective period than the prospective period." Authors should show the results of statistical tests.

Criticism 4: (Table 1): The sum of the percentage of male and female was less than 100% both in T1DM and T2DM groups.

Criticism 5: (Table 2): Please change the order of items according to the description order of the article.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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