Reviewer's report

Title: Lower Risk of Hypoglycaemia and Greater Odds for Weight Loss with Initiation of Insulin Detemir Compared with Insulin Glargine in Turkish Patients with Type 2 Diabetes: local results of a multinational observational study

Version: 2
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Reviewer: Giovanna Muscogiuri

Reviewer's report:

The purpose of this study was to evaluate the effectiveness of insulin initiation with either insulin detemir (IDet) or with insulin glargine (IGlar) in real-life clinical practice in Turkish patients with type 2 diabetes mellitus (T2DM). The authors conclude that initiation of basal insulin analogues, IDet and IGlar, were associated with clinically significant glycaemic improvements. A lower risk of minor hypoglycaemia, and greater odds of weight loss #1 kg, was observed with IDet compared with IGlar. The manuscript has poor novelty since many manuscripts have dealt with this topic.

- Major Compulsory Revisions

1) The main issue of the manuscript is that the patients belonging to the two groups were not well randomized. Thus, the results should be revisioned considering also the background antidiabetic therapy.

2) The same patients should be switched to the opposite insulin, i.e. who took glargine should be switched to detemir and vice versa to see if the conclusion of the authors should be confirmed.

3) All the patients were overweight. A normal weight population should be enrolled to see the “pure” effect of both insulin on weight.

- Minor Essential Revisions

Please report the lipid profile in Table.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
No disclosure to declare