Reviewer’s report

Title: Enhancement of postprandial endogenous insulin secretion rather than exogenous insulin injection ameliorated insulin antibody-induced unstable diabetes: a case report

Version: 0 Date: 07 Oct 2018

Reviewer: Isabel Arrieta-Cruz

Reviewer's report:

The presented case report showed the improvement in the treatment of a patient who developed insulin autoimmune syndrome with oral antihyperglycemic agents.

It is a very interesting case report about hypoglycemic and hyperglycemic waves observed in a patient long time treated with insulin analogs due to initial allergic reaction to insulin and proposal of treatment under oral hypoglycemic drugs. A little information there is in the medical literature about insulin autoimmune syndrome and its treatment, for that reason this case report is very relevant to show an alternative management to this class of patients.

However, some points must be addressed before publishing this manuscript.

1. There is no information about action mechanisms of liraglutide, mitiglinide and voglibose drugs. The authors must discuss how these drugs help to prevent hypoglycemia in the hyperinsulinemic environment in the present patient.

2. The authors did not mention the management of the kidney failure in the patient and how their treatment with oral hypoglycemic agents will not affect the kidney function or will induce more hypoglycemic episodes in the future versus insulin analogs. This is very important because the authors stated in the conclusion section that patients with chronic renal failure are reportedly more susceptible to hypoglycemia events.

3. The authors must include the recommended management to the patient outside the hospital.

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.

No

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.

Not relevant to this manuscript

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

Acceptable

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