Reviewer’s report

Title: Effect of imatinib on plasma glucose concentration in subjects with chronic myeloid leukemia and gastrointestinal stromal tumor. A retrospective cohort study

Version: 1 Date: 30 Jan 2018

Reviewer: Nils Welsh

Reviewer's report:

This manuscript reports that T2D patients that were treated with imatinib for 1 and 6 months reduced their fasting blood glucose.

There are some divergent reports in the literature when it comes to effects of imatinib on glycemia in T2D patients. It is therefore good if more reports are published to give a more complete picture.

Points of criticism:

1. It is recommended that the ethnicity of the study group is discussed. It may be that the divergent reported effects of imatinib are due to differences in ethnicity.

2. Some of the T2D patients had normal fasting blood glucose and normal HbA1c before start of imatinib treatment. These patients did not respond to imatinib, which is not very surprising. This should be discussed.

3. HbA1c should be described statistically and discussed better. It looks like imatinib reduces HbA1c in patients with high starting HbA1c values.

4. Can other metabolic markers (cholesterol, CRP…) be added to the results?

5. The text needs linguistic revision.
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.

Yes

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 am able to assess the statistics

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

Needs some language corrections before being published

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