Reviewer's report

Title: Prolonged Preoperative Treatment of Acromegaly with Somatostatin Analogs May improve Surgical Outcome in Patients with Invasive Pituitary Macroadenoma (Knosp grades 1-3): A Retrospective Cohort Study conducted at a Single Center

Version: 0 Date: 2017-03-23

Reviewer: Marek Ruchala

Reviewer's report:

The paper investigates interesting issue of high clinical importance. In general, the study design is correct. However, the manuscript needs major revision before being considered for publication.

Firstly, the organization of the manuscript needs revision: some data (i.e., tumor invasiveness classification by MRI) described in Material and methods section should be transferred to the Results. The discussion is too long, and some information are repeated in introduction and discussion.

Could you also discuss why some patients were qualified for SSAs therapy, and the others have been not?

Also, authors mixed gigantism with acromegaly- please, clarify.

In abstract the information about the efficacy of preoperative SSAs therapy is contradictory to conclusions.

The English language is poor and there are many grammas in the manuscript.
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

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests' below

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal