Reviewer’s report

Title: Case report: Recurrent pituitary adenoma has increased load of somatic variants

Version: 0 Date: 30 Jul 2019

Reviewer: Shousen Wang

Reviewer's report:

The goal of the article is clear to the reader. It's novel to use exome sequencing of tumor's somatic DNA to prove the relationship of the somatic mutations in PA and recurrent tumour. Try to state more causality of mutational load and recurrence. the According to the study, the selected patient underwent twice operation with partial removal and lacked in radiation therapy. The recurrent tumor probably express lineage-specific immuno-staining. The question is whether these recurrent tumors represent a single lineage lesion or divergent differentiated cells of other lineages. It's better to seek more typical patients with multiple relapses to demonstrate your point.

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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