Reviewer’s report

Title: The Association between Biochemical Control and Cardiovascular Risk Factors in Acromegaly

Version: 0 Date: 05 Dec 2016

Reviewer: Niki Karavitaki

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Carmichael et al. report on the association between biochemical control and presence of co-morbidities in patients with acromegaly. Not surprisingly, patients with uncontrolled disease are considerably affected. The study is useful and provides an audit on the practice of a single centre.

Please have my comments:

- The definition of control of disease relied on measurements of IGF-I. Were any data available on suppression of the GH after glucose load or on random GH measurements?

- Please explain the new-onset visual defects in the controlled patients. Was there adenoma enlargement or were these attributed to a different aetiology?

- Importantly, statistical comparisons aiming to clarify differences in the data collected would be very useful.

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.

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.

I recommend additional statistical review

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

Acceptable

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