Reviewer's report

Title: Clinical characterization of patients with primary aldosteronism plus subclinical Cushing’s syndrome

Version: 1 Date: 11 Oct 2019

Reviewer: Warrick Inder

Reviewer's report:

Yasuda et al have extensively reviewed their manuscript.

Specific comments

The authors have addressed my original points.

However I disagree with the authors conclusion that "Clinicians should invariably suspect SCS in patients with PA when detecting an adrenal tumour on the CT scan, regardless of its size" according to the data presented in Fig 1.

Firstly, all patients with PA and a tumor &gt;2.4cm has concurrent SCS, therefore larger tumors almost invariably will have PASCS.

Secondly, while hard to determine exactly, it appears that only one patient with PA and a tumor diameter of &lt;1.5cm or thereabouts had SCS. PA and tumour &lt;1.5cm has a high negative predictive value and &lt;1.0cm a 100% negative predictive value for PASCS.

Therefore a dexamethasone suppression test should be clinically unnecessary in patients with a tumor &lt;1cm and have a very low yield in tumors &lt;1.5cm.

The manuscript is very long and somewhat repetitive. This makes it hard to read. The data are well presented in the Tables and Figure - it is unnecessary to repeat them again in very long narrative in the text. The Discussion could be made more concise. The authors should get the total length to under 4000 words for readability.

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?  
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No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?  
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I am able to assess the statistics

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