Reviewer's report

Title: Disease characteristics and outcomes in patients with chronic kidney disease and type 2 diabetes: a matched cohort study of spironolactone users and non-users

Version: 0 Date: 25 Nov 2019

Reviewer: Adarsh Babu

Reviewer's report:

I thank the authors on writing on important aspect of timing of parathyroidectomy in renal transplant patients. As rightly pointed out in the manuscript the main concern for the transplant community is the timing and appropriateness of parathyroidectomy.

Major issues

1. Only 48 patients who underwent parathyroidectomy were selected for the study. Can the other patients who did not undergo parathyroidectomy be control group to demonstrate eGFR prediction?

2. If I understood correctly the time range of parathyroidectomy is very broad ranging from 4 months to 80 months - The problem I see with this although the pre-parathyroidectomy eGFR were similar the way they respond to operation may be different due to different ages of the transplant kidney (note that protocol biopsies were performed only until 6 months) Hence in my opinion drop in eGFR post parathyroidectomy cannot be generalised. - Can the authors subcategorise this group with patients who underwent parathyroidectomy less than 1 year, 1-2 years etc.

3. Methods section - Were all biopsies re-classified according to the latest Banff classification?

4. In the variables section rejection episodes are not included - ?there were no rejection episodes in the cohort

5. eGFR prior to parathyroidectomy is considered as variable, was calculation also done for delta eGFR pre and post thyroidectomy for 12 months eGFR prediction?
Minor

Although Tx and PTX is used for transplantation and post-parathyroidectomy can be confusing, hence if possible would expand or use alternative abbreviation.

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