Reviewer’s report

**Title:** The Role of RENAL, PADUA, C-index, CSA Nephrometry Systems in Predicting Ipsilateral Renal Function After Partial Nephrectomy

**Version:** 0  **Date:** 16 May 2019

**Reviewer:** Riccardo Bartoletti

**Reviewer's report:**

The authors aimed to determine the potential role of different scores in predicting the effects of partial nephrectomy on renal function.

The topic is original and interesting.

The manuscript is well written but presents several methodological flaws:

- The study design seems to be inappropriate due to its retrospective fashion. It is not clear how did the authors investigate preoperative renal function in selected patients.
- The number of enrolled patients is small. Moreover, 23% of them had postoperative complications described in the tables with the Clavien Dindo classification but not described in the text. Complications may have a potential role in renal function postoperative worsening. As a consequence, those patients should be excluded by final clinical evaluation thus reducing their number.
- Most of patients had T1a cancers. How many of them received clampless surgical procedures?.
- Were patients co-morbidities (e.g. diabetes, genetic abnormalities, previously described impaired renal function) properly evaluated?

The Abstract paragraph is well structured and well written but some conclusions such as "effective and validated" should be clarified.

Tables 1 and 2 are badly represented and unclear. In particular some indication regarding the reported numbers significance should be added.

The title of the manuscript is clear and concise.

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