Reviewer’s report

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

Version: 1 Date: 26 Jun 2019

Reviewer: Riccardo Bertolo

Reviewer's report:

Dear Authors,

Congratulations for the effort.

Even after your extensive revision, I am afraid the article is of limited interest for the urological community.

Beyond being underpowered (low sample size), the conclusions are not up to date.

Based on the results of your study and the different characteristics of each nephrometry systems, you suggest using PADUA score for evaluating the surgical complexity and predicting ischemia time.

Nevertheless, the inventor of the PADUA score himself recently suggested the use of a novel (revised) version of the PADUA score that outperformed the PADUA score (please see BJU 2019, the simplified PADUA REnal (SPARE) nephrometry system by Ficarra et al.) that you did not mention.

Respectfully, without including the recently published one I feel your paper "old" even before it is accepted.

Please confirm that you have included your review in the ‘Comments to Author’ box?

As a minimum standard, please include a few sentences that outline what you think are the authors’ hypothesis/objectives, their main results, and the conclusions drawn. Your report should constructively instruct authors on how they can strengthen their paper to the point where it may be acceptable for publication, or provide detailed reasons as to why the manuscript does not fulfill our criteria for consideration. Please supply appropriate evidence using examples from the manuscript to substantiate your comments. Please break your comments into two bulleted or numbered sections: major and minor comments.

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- Are the statistical test(s) used in this study appropriate and well described?
- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?
- Are the description of any error bars and probability values appropriate?
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No

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