Reviewer’s report

Title: Prediction Model of Compensation for Contralateral Kidney After Living-Donor Donation

Version: 1 Date: 09 Jun 2019

Reviewer: Hassan Argani

Reviewer's report:

Dear friend, thank you for selecting me as the referee for the paper entitled "Compensatory Hypertrophy Prediction Model for Contralateral Kidney After Living-Donor Donation",

The following major comments should be considered:

1- Compensatory hypertrophy is a structural and geometrical definition for changes of contralateral kidney in response to the removed kidney. It could not be replaced by a merely biochemical analysis based on only the GFR estimation.

2- It seems volume and shape of the contralateral kidneys, before and after transplantation (not only the contralateral kidney, but also the allograft in the recipient after one year), may be useful to achieve the conclusion. The estimation of GFR is not sufficient.

3- Kidney donation in the presence of hypertension, unless in few exceptions, is not accepted ethically.

4- For this study you need a prospective designed study with much more samples, not retrospective analysis in the small samples.

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.

Please note that we may not be able to use your review if no comments are provided.

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Yes
Are the methods appropriate and well described to allow independent reproduction of experiments?
Please state in the ‘Comments to Authors’ box below what you think are the strengths and weaknesses of the methods (study design, data collection, and data analysis), and what is required, if anything, to improve the quality of reporting.

No

Does the work include the necessary controls?
If not, please explain in the ‘Comments to Author’ box below.

Yes

Are you able to assess the statistics?
- 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?
- Are all error bars defined in the corresponding figure legends?
- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

Please can you confirm which of the following statements apply to your statistical assessment of the manuscript (Please include details of what the authors need to address in the ‘Comments to Author’ box):

There are statistical tests that I am unable to assess and recommend seeking additional advice (please specify which tests these are in the ‘Comments to Editor’ box)

Are the conclusions drawn adequately supported by the data shown?
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Yes

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

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