Reviewer’s report

Title: Mannitol reduces nephron loss after warm renal ischemia in a porcine model

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Reviewer: Giacomo Maria Pirola

Reviewer’s report:

Interesting paper about the effect of Mannitol in reducing the nephron loss after warm renal ischemia.

Using a porcine model, with adequate control group, Authors clearly demonstrated the positive impact of Mannitol in reducing glomerular loss after a warm ischemia time of 30 minutes.

The exposition is clear as well as the results.

The animal model allows an omogeneity of the sample, that is impossible to obtain in a patient series. As well as a similar weight, animals didn't suffer from any pathology, so that drug clearance is always similar in all the sample.

I believe that this article adds scientifical evidence in supporting the administration of Mannitol during warm ischemia for partial nephrectomy.

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?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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