Reviewer’s report

Title: Surgical management of pyelo-ureteral junction syndrome in a resource-limited setting: Case of Zinder National Hospital, Niger

Version: 1 Date: 05 Nov 2018

Reviewer: Maria Francesca Monn

Reviewer's report:

General:
The authors are to be commended for gathering and presenting this comprehensive overview of PUJS at their hospital in Niger. Overall, the study presented is helpful in our understanding of the global burden of disease of PUJS. Throughout there are grammatical/typographical errors that need to be addressed prior to publication. Comments for each section follow.

Abstract: The abstracts do not match (one must have been pasted in separately from the manuscript itself).

Background: nothing

Methods:
Please describe the catchment area of Zinder National Hospital to help the reader gain an idea of the representation of the population that this study provides.
In the third paragraph, I believe the word "descending" is not the intended word.
Is renal lodge the same as renal pelvis?
Please change the final sentence to instead read, "The surgery was considered successful when there…"
Please include a statement regarding consent/ethical approval.

Results/Tables:
Please include post-operative renal function at 6 months for the patients in the table and the text.
For the 2 patients with continued lower back pain, was this thought to represent a failed pyeloplasty?
Was there any imaging or investigation performed to further evaluate?
How did you determine when to remove the drains (this can be included in the methods or results)?
Did the case of late urinary leakage occur after removal of the drains and how was it managed?
Did both cases of SSI resolve with oral antibiotics or were the patients admitted to the hospital for IV antibiotics?

Discussion:
Please include a limitations section.
Even in the setting of having robotics available, we still do many open pyeloplasties in adults in hospitals without robotics or patients with multiple prior abdominal surgeries, so your findings and report are certainly applicable and relevant to the global community!General:
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Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

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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?
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