Reviewer’s report

Title: The Left Ureterocele and Stone of Calyceal Diverticulum in the Patient with Bilateral Incomplete Duplex Kidneys Managed by Flexible Ureteroscopy: A Case Report and Literature Review

Version: 1 Date: 16 Feb 2020

Reviewer: Daisaku Ashikari

Reviewer's report:

This is a case report of a ureterocele and a calyx diverticulum stone in the incomplete duplicate kidney and ureter.

1. Is the cause of left lumbar back pain caused by hydroureteronephrosis associated with ureterocele?
The evidence should be provided that the cause is not due to hydroureteronephrosis but to calyx diverticulum stone.

2. Was it necessary to remove the stone in the calyx diverticulum in one operation?
First of all, the ureterocele should have been resected, and the double J stent should have been placed in the upper calyx to check the progress. If symptoms persist, the stone should have been removed in two phases.

3. In general, PCNL and ESWL are not recommended for calyx diverticulum stones, and is lithotripsy by laser using f-TUL the first choice? The use of f-TUL in this case is not rare case and is a standard surgical procedure.

4. What is indicated by the arrow in Figure 3 does not look like a ureterocele, but looks like a hydroureter. Any other images or endoscopic findings should be provided that more clearly indicate a ureterocele.

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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- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

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