Reviewer's report

**Title:** Pelvic-ureteric junction obstruction (PUJO) in the lower pole moiety of a duplex kidney with an associated intra parenchymal abscess: Case Report

**Version:** 1  **Date:** 27 February 2008

**Reviewer:** Agnes Lee

I am familiar with the literature and believe that this case meets one of the 9 criteria for evaluation in the journal: An unexpected association between diseases or symptoms

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: No

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

It is an interesting case report. However it is not clear if the reported case is a complete or incomplete duplex system. The third paragraph under "discussion" appears to suggest that it is an incomplete duplex.

It is difficult to understand how the renal abscess was not identified on ultrasound or unenhanced CT. The authors have also not mentioned why an MRI + Gadolinium was the next investigation of choice. CT with intravenous contrast would have given the same diagnosis and I am not sure MRI is necessary especially with the current concern of nephrogenic systemic fibrosis associated with Gadolinium usage, but I do note that the patient’s blood tests showed normal renal function and presumably normal eGFR.

Revisions Necessary for Publication:

1) The authors should clarify if the reported case is a complete or incomplete duplex system, especially after having provided a detailed discussion about it.
2) In the first paragraph under "case report", the authors should emphasize the hydronephrotic system is in the LOWER MOIETY of the duplex kidney (as they have mentioned in their title and introduction).

3) Correction of spelling eg. under "introduction" paragraph 1 = congenital, under "discussion" paragraph 2 = drooping lily, and paragraph 5 = periureteric.

What next?: Accept after minor revisions

Quality of written English: Needs some language corrections before being published