

Capstone for Impact Submission | GY2019

Project Title: Unexpected Vesicoureteral Reflux Into a Nonfunctioning Transplant Kidney on Renal Scintigraphy.

Student Name(s): Cruz, Adam

Advisor Names(s): Dan Wale

Branch: Systems & Hospital Based Care

Path of Excellence:

Handover/Transition:

If this project can be continued by another UMMS student, you may contact them at the following email address/phone number (N/A if project cannot be handed over): **na**

Summary:

Vesicoureteral reflux after renal transplantation is associated with increase risk of urinary tract infections, renal scarring, and graft failure. We describe a case of a 46-year-old woman with 2 transplant kidneys, one functioning and another nonfunctioning, presenting with pelvic pain after a bilateral periureteral bulking procedure. Diuretic renography was performed to exclude iatrogenic ureteral obstruction. This showed a normally functioning transplant kidney without obstruction and subsequent vesicoureteral reflux into the collecting system of the nonfunctioning transplant kidney. This inadvertent indirect nuclear cystogram illustrates an unusual imaging presentation of a common disease process requiring further treatment.

Methodology:

Chart Review, Literature review, Expert knowledge.

Results/Conclusion:

<https://www.ncbi.nlm.nih.gov/pubmed/29659393>

Reflection/Lessons Learned:

This was an incredible project. I became familiar with a common disease pathology, and learned about a less-common radiographic occurrence. My mentors and I took the project from an abstract concept and brought it into a presentable and thoughtfully researched form. I appreciated being a part of this process.