



PATIENT PRESENTING CLINICAL SIGNS

Eevee Gross Pet presented for vomiting and lethargy for several weeks duration. Pet was azotemic on presentation and abdominal US revealed bilateral nephrolithiasis and dilated right renal pelvis and ureter but unable to visualize ureterolith.

SPECIES Abnormal PE/Chem/CBC/UA Results: Azotemia 6/20: BUN 98 and Creatinine 5.8 6/21: BUN 74 and Creatinine 3.6

Feline

COMPUTED TOMOGRAPHY OF THE ABDOMEN

A high resolution pre- and post-contrast CT study of the abdomen is provided for review.

BREED

COMPUTED TOMOGRAPHIC FINDINGS

DMH

The most cranial aspect of the abdomen is cropped by the field of view.

SEX

The volume of the right kidney is increased and a mineralized body is appreciated in the dilated right renal pelvis. In the left renal pelvis small mineralization are appreciated.

FS

The retroperitoneal fat surrounding the kidney presents mild fat-stranding. The right ureter is generalized dilated, measuring up to 2.8 mm in diameter. Just proximal to the right vesicoureteral orifice, a mineralized body measuring 0.9 mm is seen. Both kidneys present irregular margins. The fat surrounding the right ureter presents generalized mild fat-stranding. The urinary bladder is moderately distended by fluid. The urinary bladder wall is mildly thickened.

AGE

6 Years

In the two post contrast series, no contrast excretion by the kidneys is appreciated.

INTERPRETED BY

The adrenal glands are within normal limits for size, shape and organ architecture.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

HOSPITAL NAME

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

The bony and surrounding soft tissue structures reveal no abnormalities.

REFERRING VET

COMPUTED TOMOGRAPHIC DIAGNOSIS

Dr. Hawkins

- Absent contrast excretion of both kidneys
- Right sided pyelectasis
- Generalized dilation right ureter with surrounding mild steatitis
- Small ureterolith most distal segment of the right ureter – suspect incomplete obstruction
- Left sided nephrolithiasis without signs of mechanical obstruction
- Bilateral chronic nephropathy with surrounding mild retroperitoneal effusion

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DATE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

6-21-23

In summary the findings are highly suggestive for acute on chronic renal disease. Clinical signs might be deteriorated by nephroliths passing the ureter, causing intermittent mechanical obstruction – will explain the right ureteral dilation. At this point aggressive conservative management of renal failure is



PATIENT Eevee Gross recommended, including infusion therapy ± smooth muscle relaxant – and monitoring the in & outs for adequate renal function. Ultrasound can be used to monitor if the pyelectasis of the right kidney is stationary, regressive, or progressive under therapy – the latter case indicates complete mechanical obstruction, and a subcutaneous ureteral bypass might be considered.

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REFERRING VET

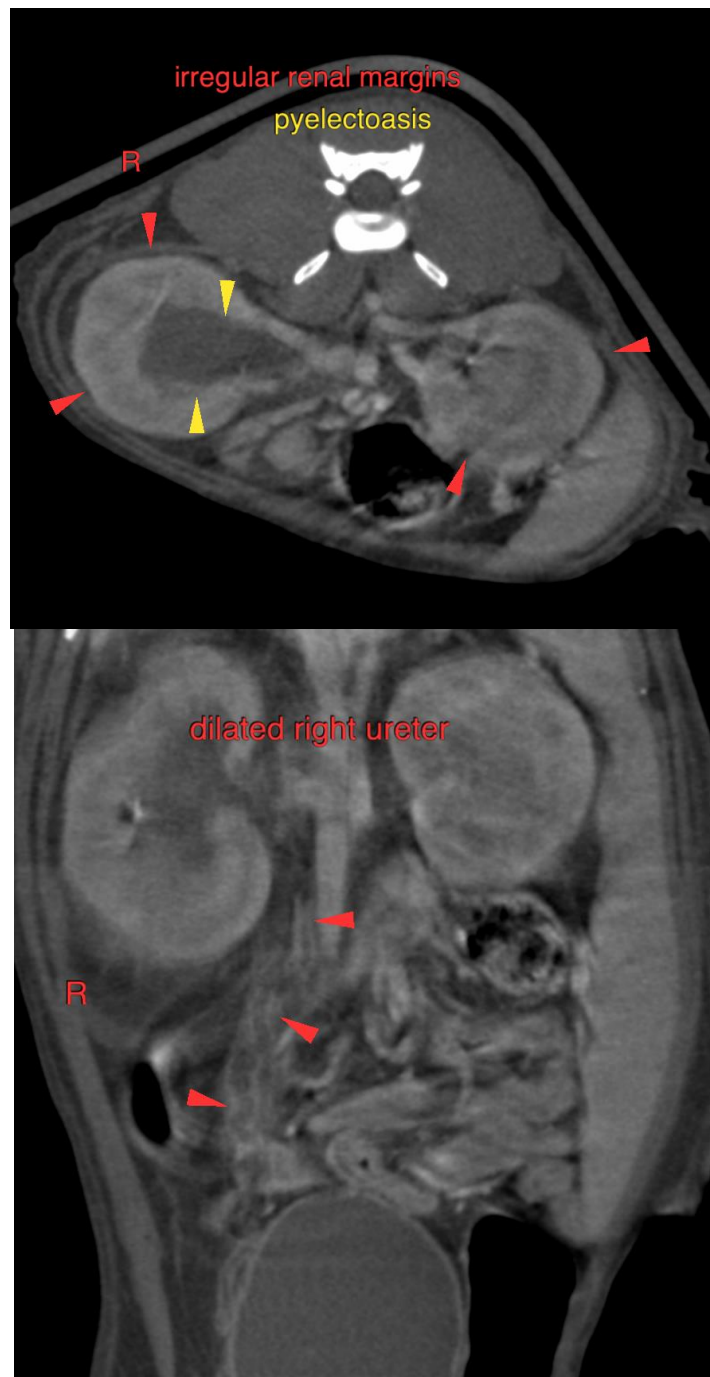
Dr. Hawkins

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PATIENT

Eevee Gross

SPECIES

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BREED

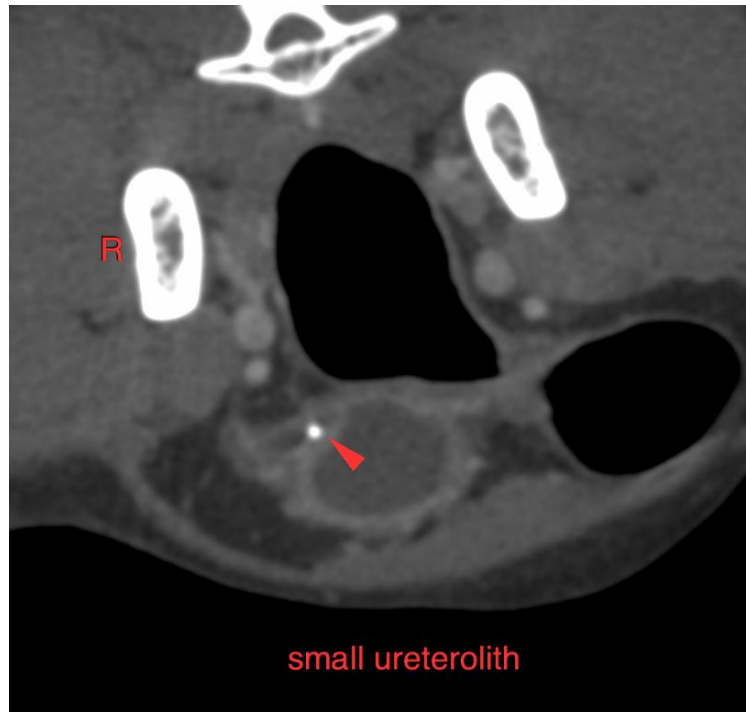
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

REFERRING VET

Dr. Hawkins

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com

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