

PATIENT

Anna Mealy

SPECIES

Feline

BREED

DSH

SEX

FS

AGE

7 years

WEIGHT

8 #

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD,
Dipl. ECVIM

IMAGING PERFORMED BY

Lara Wiseman, DVM

HOSPITAL NAME

Calusa Veterinary
Center

REFERRING VET

Dr Glickman

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DATE

7/10/22

PRESENTING CLINICAL SIGNS

History: Renal disease.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: Severe leukocytosis.

Serum Biochemistry: Elevated creatinine.

Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and echogenic appearance of the wall. Large amount of floating hyperechogenic sediment. No uroliths evident.

Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

Normal iliac lymph nodes. Dilated (0.3 cm) and tortuous left ureter without any obvious obstruction. Right ureter not visualized.

Left kidney – normal size (4.2 cm) with increase echogenic appearance, loss of cortico-medullary differentiation, and irregular capsule. Pyelectasia (0.6 cm) with renolith. Hyperechogenic appearance of the peri-nephric tissue with small amount of fluid accumulation.

Right kidney – small (1.9 cm), hyperechogenic, irregular, and no cortico-medullary differentiation.

Reproductive System

N/A.

Adrenal Glands

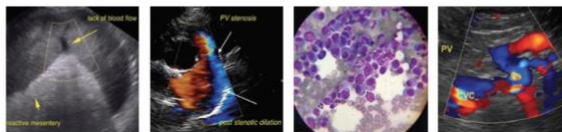
Normal shape, echogenic appearance, position, and size. Left 0.42 cm, right 0.41 cm.

Spleen

Normal size (0.9 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.3 cm).



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Gastrointestinal

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Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.23 cm, jejunum 0.17 cm) and peristaltic activity, and no distension of the lumen.

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Pancreas

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Normal size (right 0.5 cm) echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

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Free Abdomen

No mesenteric lymphadenomegaly.
No ascites.

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ULTRASONOGRAPHIC FINDINGS

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Primary findings:

- Renal disease.
- Dilated left ureter.
- Urinary bladder sediment.

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Secondary findings:

- None.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Etiologies for the left kidney would be chronic kidney disease, early obstructive uropathy, pyelonephritis, and bacterial nephritis.

Etiologies for the dilated left ureter would be secondary to an obstruction and ureteritis.

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The most likely etiology for the right kidney would be a previous episode of obstructive uropathy.

Etiologies for the urinary bladder sediment would be bacterial cystitis, sterile cystitis, and crystalluria.

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Further assessment would be urinalysis and blood pressure.

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Management would be fluid therapy and analgesics as needed, antibiotics, renal diet, and ACE inhibitor/receptor blocker. Ultrasound monitoring the left renal pelvis is indicated and if there is progressive dilation, then surgical intervention for the obstructive uropathy would be indicated.

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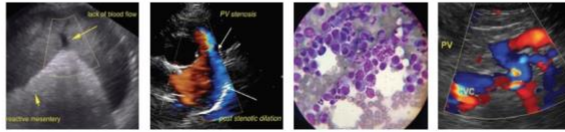
IMAGES

Urinary bladder



Left kidney





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Left ureter



Right kidney



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The information and recommendations provided are based on the images presented by the referring veterinarian. 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.

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