



**PATIENT**

Peanut Kaminskas

**SPECIES**

Canine

**BREED**

Bulldog Mix

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

53.2 Pounds

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

Wixo Family Pet  
Practice

**REFERRING VET**

Wixom Family Pet  
Practice

**INVOICE**

18898

**DATE**

11/30/22

**PRESENTING CLINICAL SIGNS**

History: Current Medications: · Marbofloxacin 50 mg 1.5 tabs every 24 hours · Meloxicam 1.5 mg/ml 50# every 24 hours Patient History: · ALP 202 · Inappropriate urination · Two urinary tract infections since July 2022, no previous history of urogenital tract abnormalities

Abnormal PE/Chem/CBC/UA Results: Chronic otitis with stenosis · Mild dental calculus and gingivitis. 208 - slab fracture · UA (free catch) - SpG > 1.055, pH 6.4, Protein 1+, WBC 5-10/hpf, RBC TNTC, Squamous 0-1/hpf, Granular casts, Rods 2-3+, occasional clumps of transitional cells with high cellularity · FAST Scan - Urinary bladder mucosa is markedly inflamed and irregular. No free fluid.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. Minor micropolypoid luminal surface changes were noted. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present. The urinary bladder, trigone and cystourethral junction exhibited normal tone. The urethra was overtly normal in structure to a depth of 3.0 cm. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of masses.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present. The left kidney measured 6.5 cm in length. The right kidney measured 6.5 cm in length.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.5 cm width at the cranial pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.55 cm width at the caudal pole and 0.60 cm width at the cranial pole.

**Spleen**

The spleen was normal in size and contour with mild splenic parenchyma heterogeneity, including intermittent hyperechoic parenchyma to ill-defined nodules.

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**



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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate nonshadowing ingesta without signs of obstruction or foreign material.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

## Pancreas

## BREED

Bulldog Mix

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

## SEX

Spayed Female

## Free Abdomen

A solitary medial iliac lymph node was present. The lymph node was normal in size and isoechoic to adjacent tissue without evidence of peripheral inflammation or neoplastic criteria and maintaining a normal width: length ratio (<0.5). The lymph node measured 2.6 cm x 0.45 cm.

## AGE

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## ULTRASONOGRAPHIC FINDINGS

## WEIGHT

53.2 Pounds

- Chronic cystitis urinary bladder pattern
- Mild age-related kidneys
- Benign splenic nodules- consistent with ill-defined myelolipomas, previous infarcts or emerging mineralization possible
- Mild hepatic parenchymal remodeling- benign

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

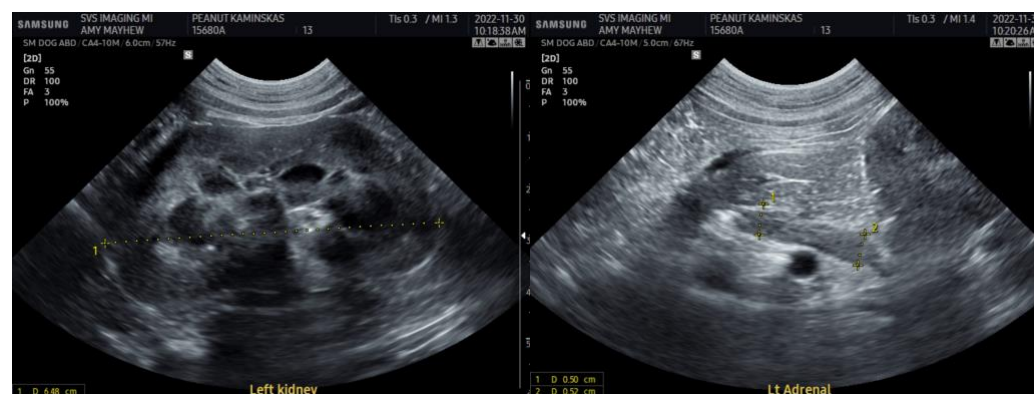
Examination of the vulva and/or vaginal vault for evidence of structural abnormalities, which may predispose to ascending infection could be considered. Recheck urine culture and sensitivity is suggested 7 days following completion of current antibiotic therapy. Although urinary bladder neoplastic criteria is thought unlikely, screening BRAF assay could be considered. Hepatosupportive medications, including Denamarin may prove beneficial.

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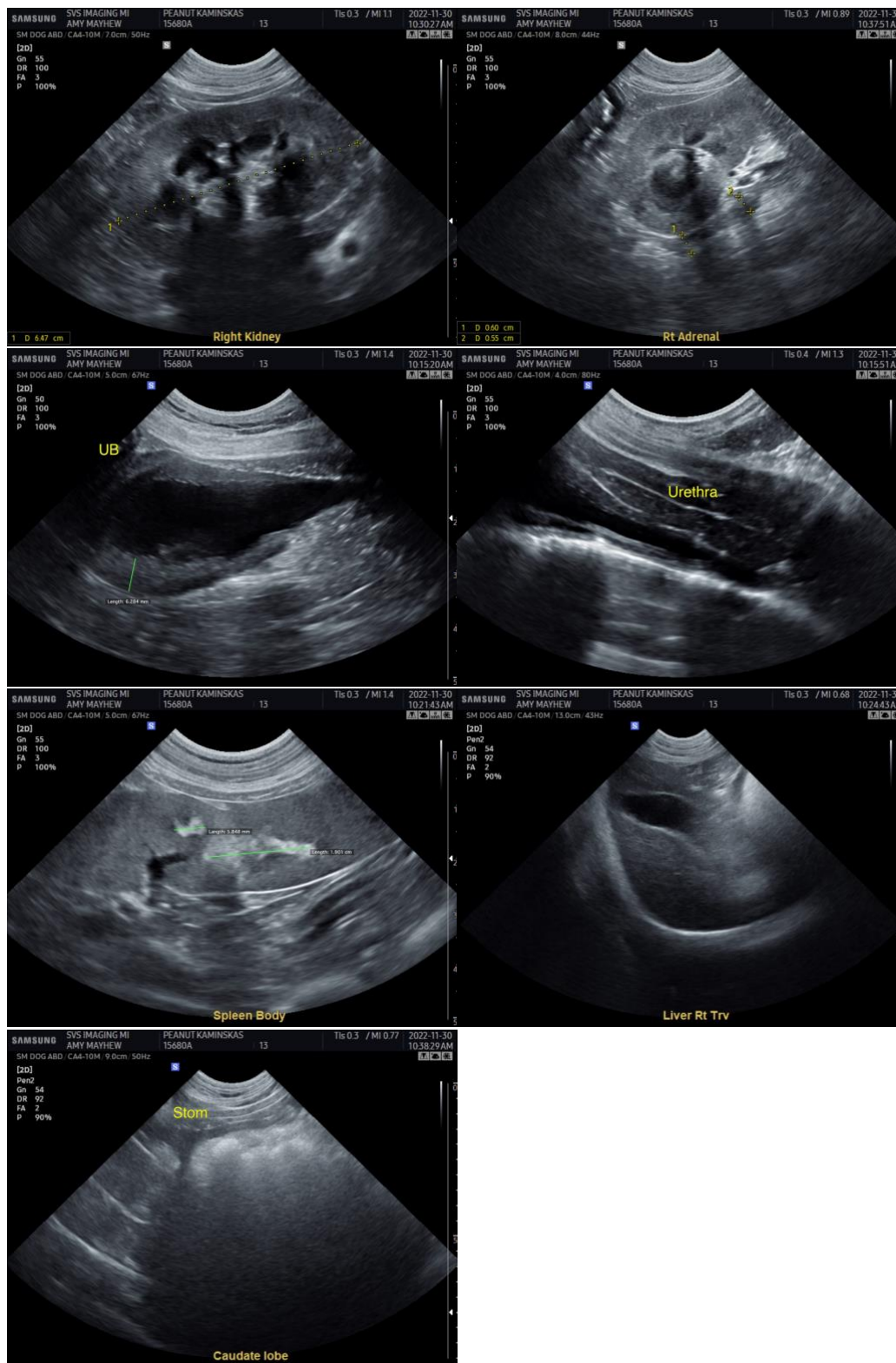
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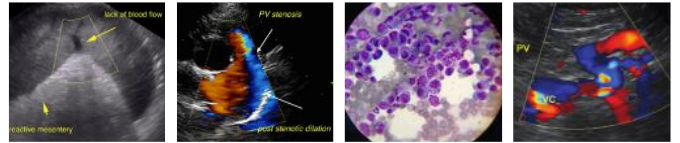
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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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**info@SonoPath.com**

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