



**PATIENT PRESENTING CLINICAL SIGNS**

Dallas McKittrick Hematuria, which persists after antibiotics, although bacteremia does resolve. UA - occult blood (RBC>50HPF), SG 1.059, protein 1+. Was on Enrofloxacin x20 days. Radiographs: No calculi noted.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. 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 inflammatory or neoplastic changes were noted.

Shih Tzu

**SEX** Normal size and minor asymmetrical margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and mild loss of corticomedullary definition was present with pinpoint to focal areas of medullary mineral. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.4 cm in length. The right kidney measured 4.4 cm in length.

MI

**AGE** A solitary visualized medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

8yr

**WEIGHT** The prostate gland exhibited mild asymmetrical enlargement with non-homogenous to mixed echogenic parenchyma and multiple thinly walled intraparenchymal cysts containing subjective anechoic fluid. The prostate measured 4.5 cm x 2.1 cm. An example of a prostate intraparenchymal cyst measured 2.2 cm in diameter.

16lb

**INTERPRETED BY Adrenal Glands**

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.53 cm width at the caudal pole and 0.38 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 0.39 cm width at the caudal pole and 0.56 cm width at the cranial pole.

**IMAGING PERFORMED BY Spleen**

Pamela Harrigan, RDCS

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**HOSPITAL NAME Liver/Gallbladder**

Airport Animal Hospital

**REFERRING VET**

Dr. Gudluru

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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 with minor non-organized debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

**INVOICE**

13215ag

**DATE Gastrointestinal**

03/17/2023

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.



**PATIENT**

Dallas McKitrick

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.

**SPECIES**

Canine

**Pancreas**

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.

**BREED**

Shih Tzu

**Free Abdomen**

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**SEX**

MI

**ULTRASONOGRAPHIC FINDINGS**

- Sonographically unremarkable urinary bladder.
- Mildly enlarged non-homogenous to cystic prostate-benign prostatic hyperplasia with parenchymal cysts, potential for persistent mild prostatitis.
- Non-specific mild chronic renal changes with pinpoint to focal medullary mineral.

**AGE**

8yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

16lb

Assuming no evidence of current infection, the hematuria may be secondary to prostatic hyperplasia or persistent mild prostatitis. Potential for idiopathic renal hematuria possible. Neutering is recommended. Periodic monitoring of renal parameters is recommended. No evidence of intra-abdominal or urinary tract neoplastic criteria.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Airport Animal  
 Hospital

**REFERRING VET**

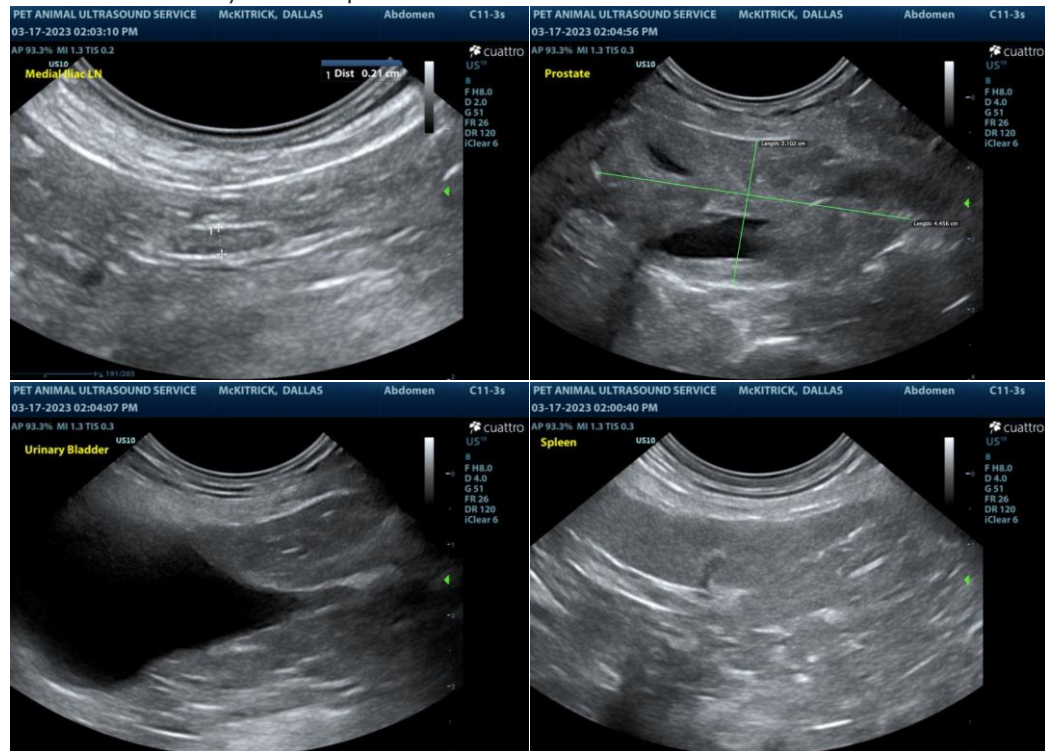
Dr. Gudluru

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**PATIENT**

Dallas McKitrick

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

MI

**AGE**

8yr

**WEIGHT**

16lb

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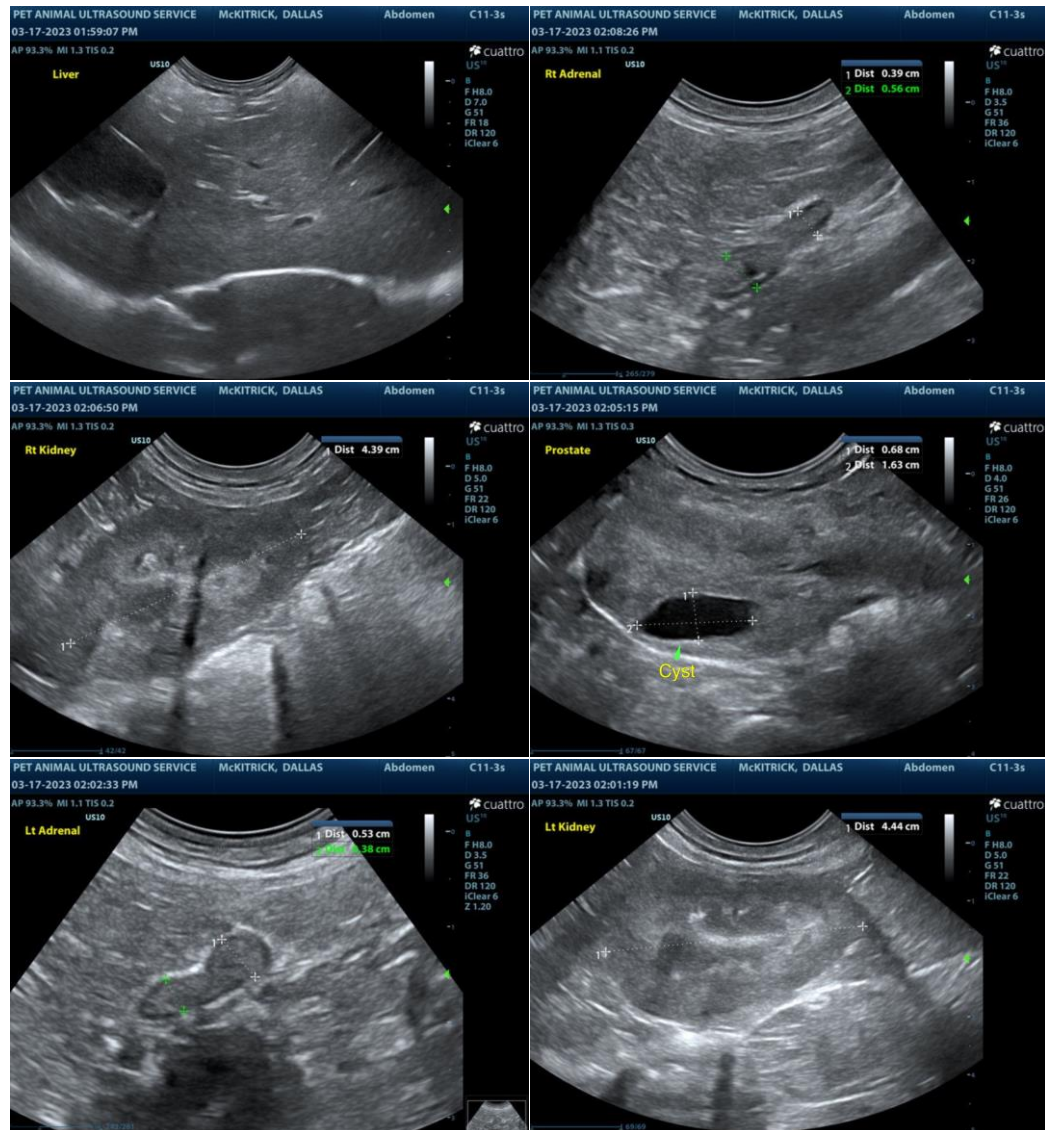
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
 info@SonoPath.com