

PATIENT PRESENTING CLINICAL SIGNS

Max McCormick Small, frequent, urinations - accidents in the house for 1 month.
 Abnormal PE/Chem/CBC/UA Results: High phosphorous 6.3; high platelets 538. Urine: USG 1.032; protein 1+; blood/hg 2+ ; RBC 50-75; T4 low 0.6 - no clinical signs of hypothyroidism

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Boston Terrier

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone and was non-distended. 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.

SEX

Neutered Male

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 0.5 cm diameter.

The area of the aortic trifurcation was free of pathology.

AGE

13 Years

Normal size and margination was 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 loss of corticomedullary symmetry and definition expected for the age of the patient. Minor pyelectasia noted in both kidneys. A cortical cyst was present in the medial parenchyma of the right kidney, measuring 1.2 cm diameter. The right kidney measured 4.8 cm. The left kidney measured 5.1 cm.

WEIGHT

20.8 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.61 cm at the cranial pole and 0.63 cm at the caudal pole. The left adrenal gland measured 0.61 cm at the cranial pole and 0.58 cm at the caudal pole.

INTERPRETED BY

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

Spleen

IMAGING PERFORMED BY

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

Greenwich Bay AH

Liver

REFERRING VET

Dr. Jonathan Chyten

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. Intermittent, subtly hypoechoic, non-expansive parenchymal nodules were present. Example measured 0.5 cm diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE

24514

Gastrointestinal

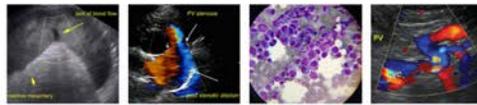
The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

8/10/21

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.



PATIENT *Pancreas*

Max McCormick

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder, residual prostate and visible proximal urethra
- Bilateral mild chronic renal changes with minor pyelectasia and right kidney cortical cyst
- Mild hepatic parenchymal remodeling with intermittent subtle, non-expansive parenchymal nodules
- Mild gallbladder debris (non-mucocele)

BREED

Boston Terrier

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The subtle hepatic parenchymal nodules, although non-specific, are suggestive of benign nodular changes such as subtle areas of nodular to regenerative hyperplasia or hematopoiesis. No overt evidence of hepatic neoplastic criteria.

AGE

13 Years

The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis.

WEIGHT

20.8 Pounds

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

INTERPRETED BY

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

Potential for minor non-sonographically evident cystitis or proximal urethritis may be possible in this case. Another consideration may include reflex dyssynergia if the pattern of dysuria fits the potential description of this possibility. No evidence of proximal urethral obstruction, calculi, or neoplastic lower urinary tract pathology. Screening BRAF assay may be considered. Although no evidence of urethral obstruction noted, passage of a urinary catheter to assess urethral patency may be considered.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS



HOSPITAL NAME

Greenwich Bay AH

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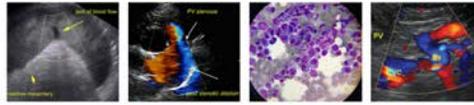
Dr. Jonathan Chyten

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PATIENT

Max McCormick

SPECIES

Canine

BREED

Boston Terrier

SEX

Neutered Male

AGE

13 Years

WEIGHT

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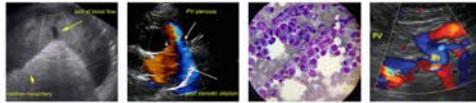
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PATIENT

Max McCormick

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.

SPECIES

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.

BREED

Boston Terrier

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

SEX

Neutered Male

AGE

13 Years

WEIGHT

20.8 Pounds

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