



**PATIENT PRESENTING CLINICAL SIGNS**

Bruin Clark Decreased appetite; confusion; atopy. BUN 28; ALT 416; AST 71

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

*Urinary System*

The urinary bladder was mildly subnormal in size owing to lack of urine distension. Complete evaluation of the urinary bladder wall was limited owing to lack of urine distension. A solitary nonhomogeneous to focally mineralized mass lesion appearing to arise from the urinary bladder wall in the area of the cystourethral junction measuring approximately 1.1 x 0.87 cm. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. The area of the residual prostate was noted directly adjacent to the mass lesion measuring 1.1 cm diameter. Potential extension of the mass lesion into the area of the proximal urethra or prostate was not definitively evident yet cannot be definitively excluded.

Breed

Toy Poodle

Sex

MN

No evidence of pathology in the area of the aortic trifurcation.

Age

16 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia was present in the right kidney. The left kidney measured 3.7 cm in length. The right kidney measured 3.7 cm in length.

Weight

5 lbs

*Adrenal Glands*

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.42 cm width at the caudal pole and 0.46 cm width at the cranial pole.

**INTERPRETED BY**

No overt pathology in the area of the right adrenal gland.

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

*Spleen*

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Norfolk County  
 Veterinary Service

*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.

**REFERRING VET**

Christina Poor,  
 BVetMed

The gallbladder was non distended in size with moderate nondependent mildly organized echogenic, nonmineralized gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

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*Gastrointestinal*

The stomach presented intact wall layering with a normal wall layer ratio and luminal gas. No evidence of mechanical/metabolic ileus in the gastrointestinal tract. The gastric body wall measured 0.22 cm width.

**DATE**

9-3-21



**PATIENT**

Bruin Clark

The small intestine exhibited intact wall layering with maintained 1:3 muscularis/mucosa ratio with subtle subjective increased mucosal echogenicity likely suggestive of minor age related intestinal changes. Not overtly indicative of underlying pathology although potential for underlying mild inflammatory gastrointestinal process possible. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

**SPECIES**

Canine

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

*Pancreas*

**BREED**

Toy Poodle

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

*Free Abdomen*

**SEX**

No overt lymphadenopathy or peritoneal effusion was present.

MN

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

16 Years

- Chronic hepatopathy with mild parenchymal remodeling.
- Moderate gallbladder debris - possible early mucocele.
- Bilateral chronic renal changes with right kidney pyelectasia.
- Subjective small mass lesion in the area of the cystourethral junction with focal mineralization.

**WEIGHT**

5 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The pyelectasia within the right kidney 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**

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Feline)

The potential cystourethral junction mass lesion was nonspecific with considerations including focal chronic cystitis, polyp, or emerging neoplasia such as transitional cell carcinoma. Screening BRAF assay may be considered; however, if negative, biopsy of this area versus sonographic monitoring for evidence of progression may be considered.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDMS

Hepatosupportive medications including ursodiol and as needed gastrointestinal support suggested.

Thorough neurological examination recommended to assess for potential nonabdominal cause of decreased appetite.

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**SPECIES**

Canine

**BREED**

Toy Poodle

**SEX**

MN

**AGE**

16 Years

**WEIGHT**

5 lbs

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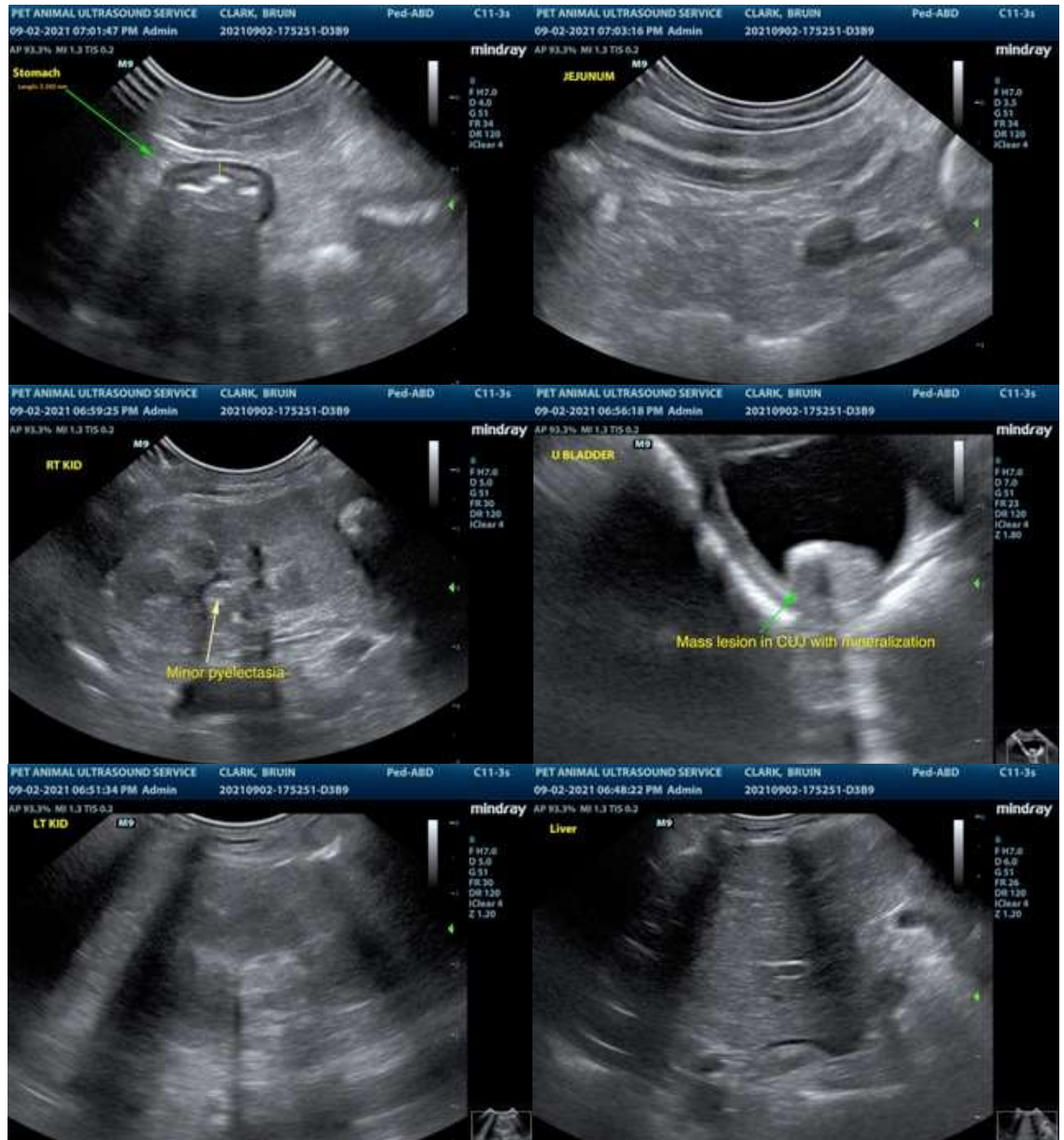
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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