



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Sammy Brown Increase in water intake. urinating in spurts. Straining to urinate and producing small amounts of urine or no urine at times. Slow to get up. Trouble to climbing up the bed. Sometimes wobbly and ataxic on back end. Appetite decreased. Seen on 10/18/22.

**SPECIES**

Canine Just finished course of antibiotics Calvamos 250 mg Bid, and Galliprant 60 mg 1 sid, and and Gabapentin 200 mg

**BREED**

Lab Mix

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX** The urinary bladder was non-distended in size with subjective normal tone containing anechoic urine. No overt evidence of inflammatory or neoplastic urinary bladder or proximal urethral mural changes.

MN

The residual prostate exhibited mild asymmetrical enlargement with nonhomogeneous parenchyma. Pinpoint to multiple areas of parenchymal mineralization were present. The residual prostate measured 5.0 cm x 2.9 cm.

**AGE**

2013

No overt evidence of medial Iliac or sublumbar lymphadenopathy in the area of the iliac trifurcation or area of the dorsal urinary bladder.

**WEIGHT**

85

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 pelvic dilation was present. Pinpoint medullary mineral was noted in both kidneys. The left kidney measured 7.3 cm in length. The right kidney measured 7.1 cm in length.

**INTERPRETED BY**

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

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.5 cm length x 0.55 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.1 cm length x 0.59 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
 ARDMS/RVT

**HOSPITAL NAME**

Littlestown VH

**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.

**REFERRING VET**

Dr. Kubala

**INVOICE**

15390

**Liver/ Gallbladder**

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. The cystic and common bile ducts were normal.

**DATE**

11/4/22



**PATIENT** *Gastrointestinal*

Sammy Brown 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.

**SPECIES** 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.

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

**BREED** *Pancreas*

Lab 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 were evident.

**SEX**

MN *Free Abdomen*

No overt lymphadenopathy or peritoneal effusion was present.

**AGE** **ULTRASONOGRAPHIC FINDINGS**

2013

**WEIGHT**

85

- Mild irregular residual prostatomegaly exhibiting nonhomogeneous to mineralized parenchyma
- Sonographically unremarkable urinary bladder
- Mild age-related renal changes exhibiting pinpoint medullary mineral

**INTERPRETED BY**

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DVM, DABVP  
(Canine and Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Although sampling is required for further assessment, the residual prostatic presentation including evidence of parenchymal mineralization is most concerning for residual prostatic neoplastic process such as prostatic or urothelial carcinoma.

**IMAGING**

**PERFORMED BY**  
Rebekah Jakum, CVT  
ARDMS/RVT

Ultrasound-guided residual prostate FNA or prostatic wash for cytology +/- C/S if clinically indicated is suggested. Potential for possible early regional urethral involvement cannot be definitively excluded, although no evidence of extension of suspected neoplastic process into the urinary bladder. Non-neoplastic etiology i.e., chronic residual prostatitis is possible yet is thought less likely. No overt evidence of regional metastasis is noted. Three-view chest radiographs are suggested.

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**PATIENT**

Sammy Brown

**SPECIES**

Canine

**BREED**

Lab Mix

**SEX**

MN

**AGE**

2013

**WEIGHT**

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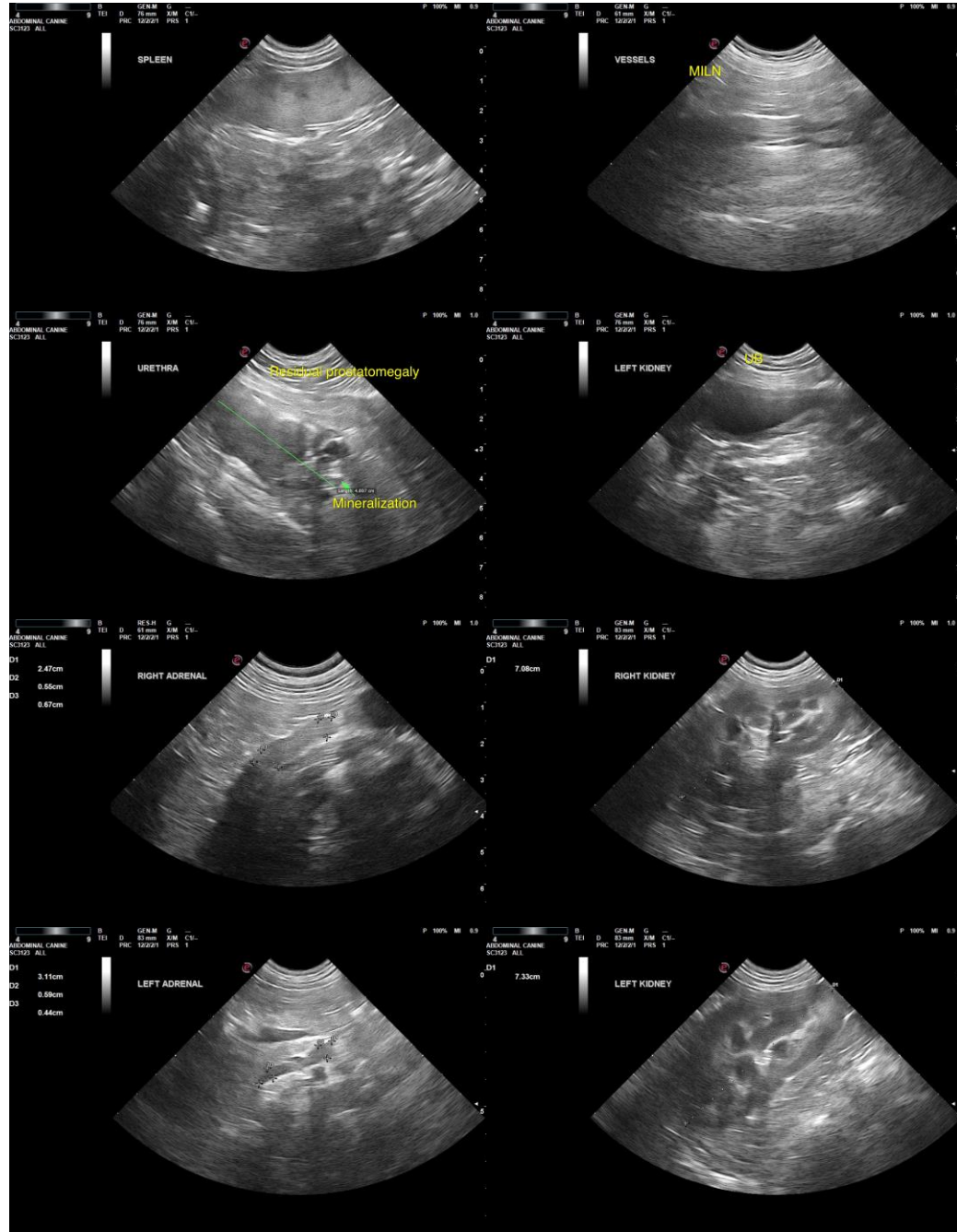
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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