


**PATIENT**

Duncan Lankester

**SPECIES**

Canine

**BREED**

Bernese Mountain Dog

**SEX**

MI

**AGE**

6 years

**WEIGHT**

43kg

**INTERPRETED BY**

 R. McKenzie Daniel,  
 DVM, DABVP

**IMAGING**
**PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Grand River VH

**REFERRING VET**

Dr. Hornak

**INVOICE**
**DATE**

11/1/21

**PRESENTING CLINICAL SIGNS**

Diagnosed with heartworm disease on 4dx. Was living in high risk area and not on any prevention for a few years. Recently adopted previous stud dog. No microfilaria noted. Hypothyroid and occasional cough noted by owner. Wanting to start Heartworm treatment but owner wished to do an abdominal scan to make sure all ok due to his breed and age prior to pursuing treatment. Started Doxycycline, Advantage Multi and was treated with Panacur.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Urinary System**

The urinary bladder, trigone, and cystourethral junction 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 was noted.

The prostate was mildly enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 5.5 cm x 4.5 cm.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. 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 7.1 cm in length. The right kidney measured 7.2 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 0.58 cm width at the caudal pole and 0.58 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 0.96 cm width at the cranial pole.

**Spleen**

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.



**PATIENT**

***Liver/ Gallbladder***

Duncan Lankester

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypochoic 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.

**SPECIES**

Canine

***Gastrointestinal***

**BREED**

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.

Bernese Mountain Dog

**SEX**

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.

MI

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

**AGE**

***Pancreas***

6 years

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.

**WEIGHT**

***Free Abdomen***

43kg

No overt lymphadenopathy or peritoneal effusion was present.

**INTERPRETED BY**

**ULTRASONOGRAPHIC FINDINGS**

R. McKenzie Daniel,  
DVM, DABVP

***Primary Findings***

- Mild benign prostatic hyperplasia
- Otherwise, sonographically unremarkable abdomen

**IMAGING PERFORMED BY**

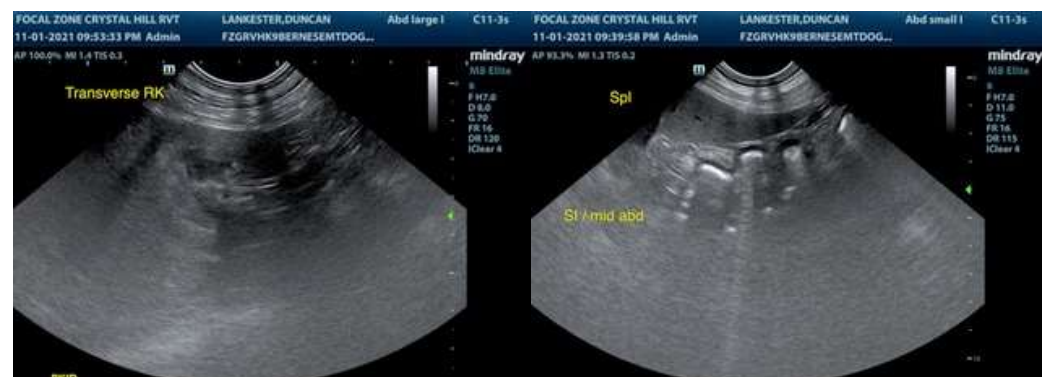
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Crystal Hill

No evidence of overt visceral pathology in light of intact status.

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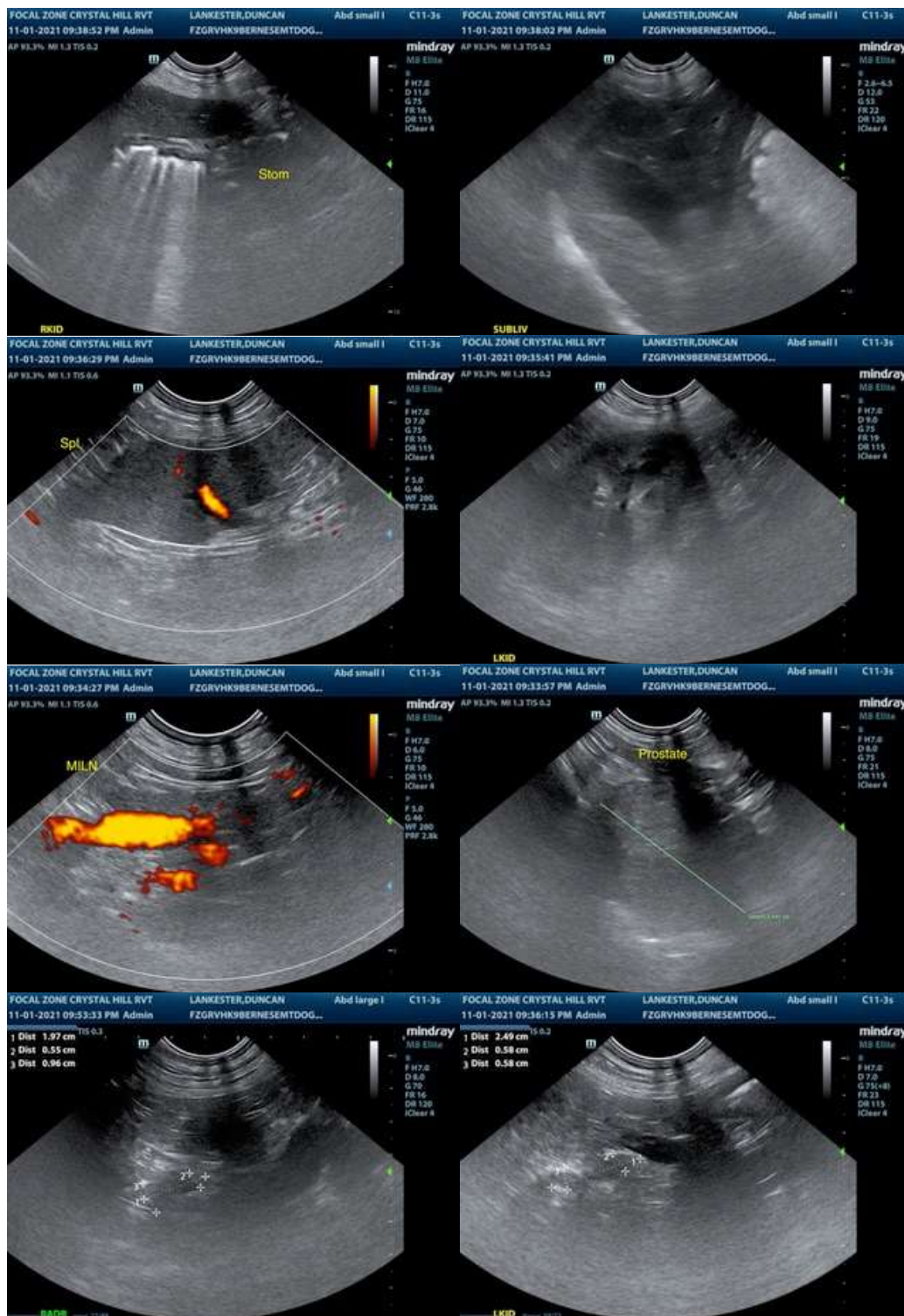
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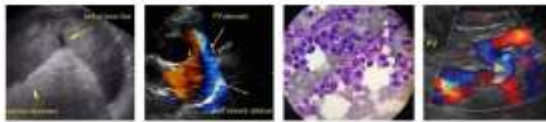
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## SPECIES

Canine

**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.**

## BREED

Bernese Mountain Dog

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.

## SEX

MI

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

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