



PATIENT PRESENTING CLINICAL SIGNS

Nanook LeBlanc History: Acute hematuria, several months of pu/pd, chronic weight loss. Metacam and Clavaseptin started. Urine passed during scan today much more yellow in colour (less bloody)

SPECIES Abnormal PE/Chem/CBC/UA Results: Please see attached rads. Blood: CBC all WNL, Chem - Urea elevated Urine: WBCs over 50/hpf, RBC over 50/hpf, Non squamous epithelial cells, Calcium dihydrate crystals and struvites seen, pH 5.0, Sp. Grav 1.019, protein 1-2+, blood greater than 250 and appeared red and cloudy.

Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Alaskan Malamute

Urinary System

SEX The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 0.4 cm exhibited normal thickness and tone. Minor nondependent particulate sediment was present. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. Aortic trifurcation was normal.

Neutered Male

AGE The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.9 cm in diameter.

11 Years

WEIGHT 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. Minor pyelectasia was noted in the left kidney. The left kidney measured 6.6 cm in length. The right kidney measured 6.6 cm in length.

90 Pounds

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 3.5 cm length x 1.0 cm at the caudal pole width.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.2 cm length x 0.72 at the caudal pole width.

IMAGING PERFORMED BY

Crystal Hill

Spleen

HOSPITAL NAME

Norwich VC

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.

REFERRING VET

Dr. Saturno

Liver

INVOICE

14224

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.

DATE

3/7/22

The gallbladder was non distended in size with mild nondependent, nonorganized gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation. This is likely incidental, potentially owing to fasting or nonclinical cholestasis.



PATIENT

Gastrointestinal

Nanook LeBlanc

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

Canine

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.

BREED

Alaskan Malamute

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.

SEX

Neutered Male

Free Abdomen

No omental masses, lymphadenopathy or peritoneal effusion.

AGE

11 Years

Other

A brief sonographic assessment of the heart and thorax revealed mild volume nonspecific pleural effusion. Overt evidence of cardiac or pericardial tumors were not definitively evident.

WEIGHT

90 Pounds

ULTRASONOGRAPHIC FINDINGS

- Overtly normal urinary bladder with mild nondependent sediment, likely cellular debris
- Normal residual prostate and visible proximal urethra
- Mild chronic renal changes with minor left kidney pyelectasia- no overt pyelonephritis
- Mild volume, nonspecific pleural effusion

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Without evidence of overt upper or lower urinary tract or residual prostate pathology, an obvious cause of the hematuria was not definitively evident. No evidence of renal or cystic calculi, inflammation or neoplastic criteria. Likewise, no overt evidence of visceral pathology as an obvious cause of the patients chronic weight loss or PU/PD.

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. A GI panel to include PLI/TLI/Cobalamin/Folate may be considered to rule out occult gastrointestinal or pancreatic disease as a contributing factor to the patient weight loss. Given the presence of nonspecific mild volume pleural effusion, three-view chest radiographs are suggested. If possible, pleural effusion, analysis, cytology +/- culture and sensitivity recommended. A coagulation panel may also be considered to assess for or rule out underlying coagulopathy.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Norwich VC

REFERRING VET

Dr. Saturno

INVOICE

14224

DATE

3/7/22



PATIENT

Nanook LeBlanc

SPECIES

Canine

BREED

Alaskan Malamute

SEX

Neutered Male

AGE

11 Years

WEIGHT

90 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Norwich VC

REFERRING VET

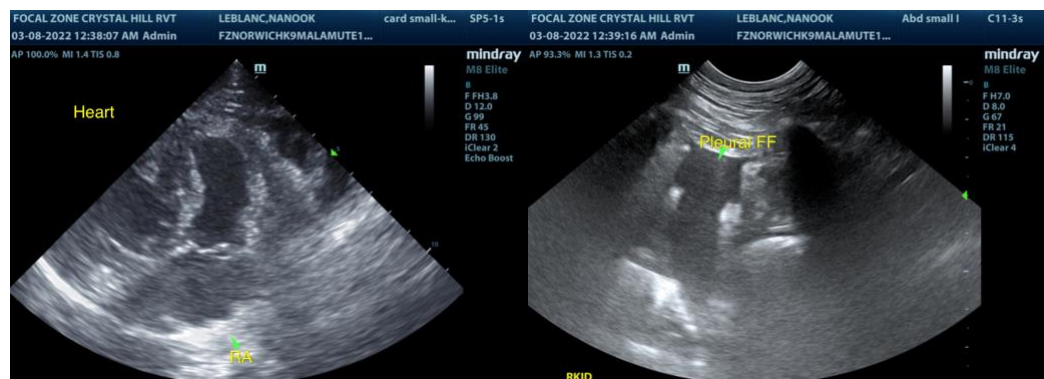
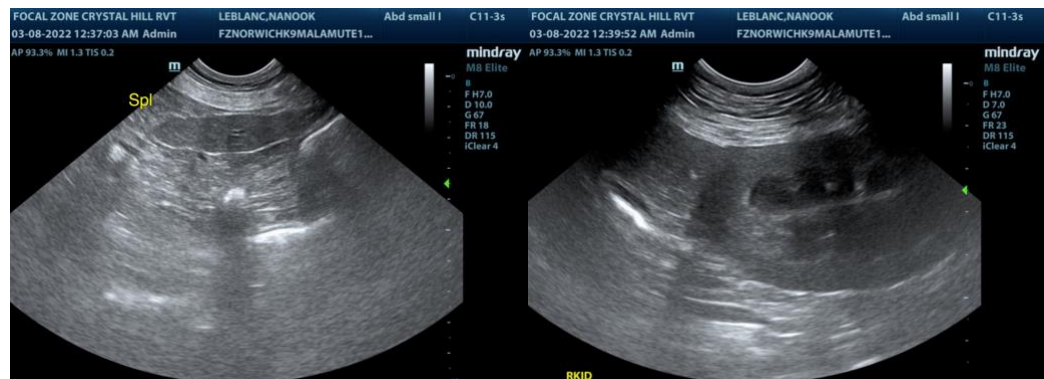
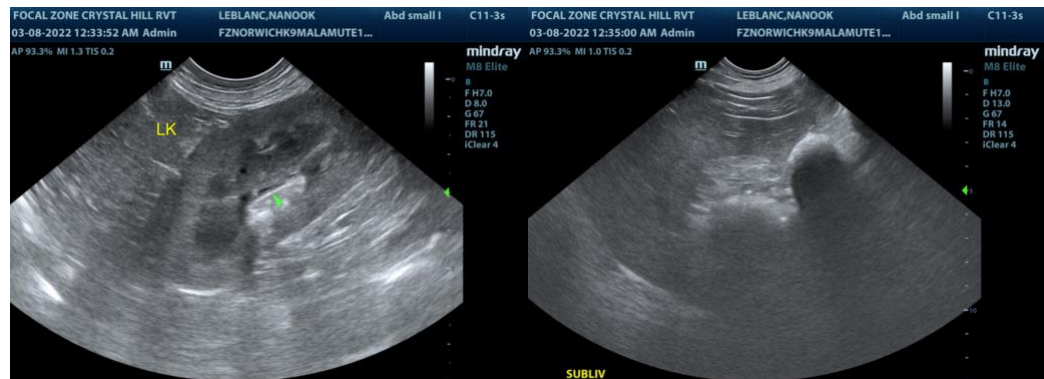
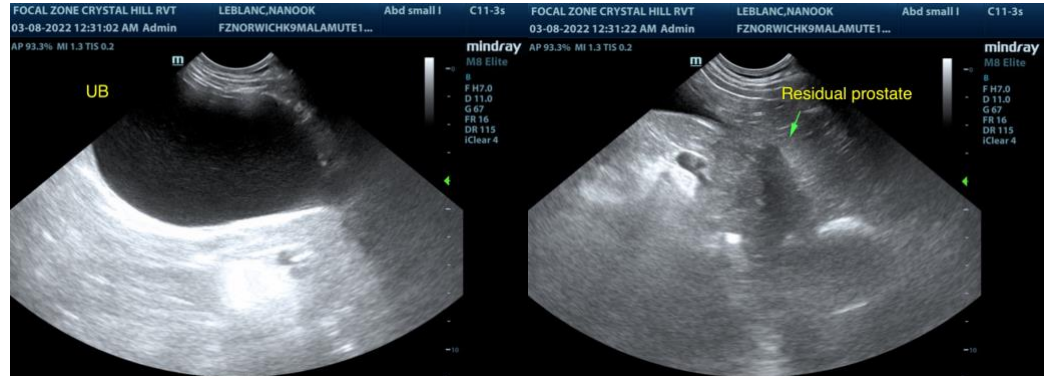
Dr. Saturno

INVOICE

14224

DATE

3/7/22





PATIENT

Nanook LeBlanc

SPECIES

Canine

BREED

Alaskan Malamute

SEX

Neutered Male

AGE

11 Years

WEIGHT

90 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

Norwich VC

REFERRING VET

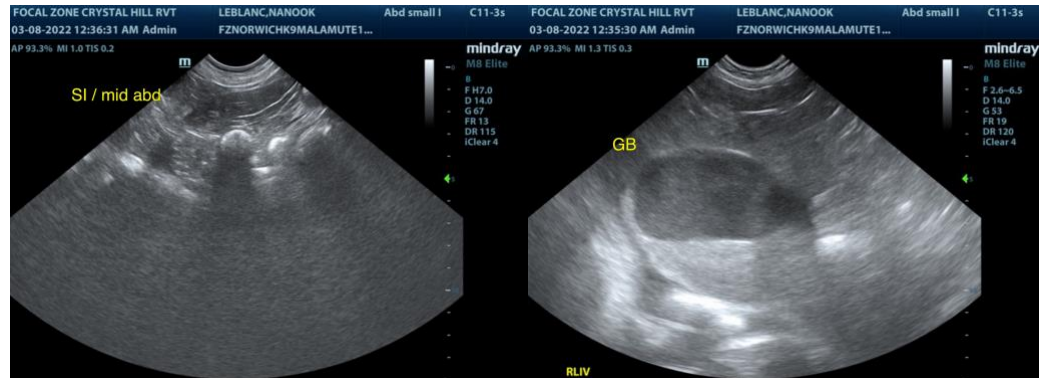
Dr. Saturno

INVOICE

14224

DATE

3/7/22



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.

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