



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Dexter Ganly
SPECIES Canine
 Elevated liver enzymes, no appetite, weight loss, muscle wasting along the head. No v/d/c/d noted. Normal x-rays. Lyme + 2 mos ago just finished doxy. Current meds: Famotidine 20mg bid, Tramadol 50mg bid, Zofran 16mg bid, metro 250mg bid, Amoxi/clav 625mb bid.
 Abnormal PE/Chem/CBC/UA Results: Retic 136, Retic Hg 24.3, Lymph 0.992, Alb 2.5, Glob 5.0, ALT 298, AST 72, alp 328, CK 535. USG 1.042, Prot 1+, Bili 1+, UPC normal.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED Mix
 The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm 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 were noted.
SEX Neutered Male
 The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 1.0 cm diameter.

The area of the aortic trifurcation was free of pathology.

AGE 11 Years
 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.5 cm. The right kidney measured 6.2 cm.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.9 cm length x 0.41 cm at the caudal pole. The right adrenal gland measured 2.9 cm length x 0.58 cm at the caudal 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.

Liver

The liver was subjectively normal in size, mildly rounded yet symmetrical hepatic contour. Subjective generalized mild reduced hepatic parenchyma echogenicity compared to the falciform fat and spleen with maintained mild coarse echotexture. No hepatic masses or nodules noted. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. Mild retained variably echogenic, non-shadowing ingesta, primarily in the antrum and pylorus.

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.

INTERPRETED BY

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

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Shohola Vet Hospital

REFERRING VET

Dr. Gramazio

INVOICE

33367

DATE

12/9/21



PATIENT

Pancreas

Dexter Ganly

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

Free Abdomen

Focal, mildly prominent to enlarged medial iliac lymph node was present, not consistent with inflammatory or neoplastic criteria and likely incidental. The lymph node measured 0.8 cm in width. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED

Mix

SEX

Neutered Male

- Hepatopathy
- Sonographically unremarkable gastrointestinal tract with mild retained variably echogenic gastric ingesta
- Mild age related kidneys

AGE

11 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the liver was non-specific, exhibiting primarily acute hepatopathy criteria with potential for acute on chronic hepatopathy possible. Considerations may include reactive/vacuolar hepatopathy and hepatic cholestasis given the elevated ALP with primary concern for acute hepatitis (viral, bacterial, Leptospirosis, toxin) given the elevated ALT/AST combination. Assuming normal clotting status, further assessment may include hepatic FNA for screening cytology +/- Leptospirosis titers/PCR if clinically relevant. An unlikely differential diagnosis in this case may include hepatotoxicity owing to Doxycycline, which is rare, while occult hepatic neoplasia is considered a less likely differential diagnosis.

WEIGHT

63 Pounds

No overt evidence of structural gastrointestinal pathology, although some degree of potential gastric stasis (given the presence of retained variably echogenic ingesta and in light of reported anorexia) may be possible. Continued hepatosupportive medications including Denamarin and Ursodiol along with antibiotics (recommend Enrofloxacin/Amoxicillin combination), as needed gastrointestinal support, and further monitoring of hepatic enzymes recommended. GI panel to include PLI, TLI, cobalamin and folate and thoracic radiographs to rule out occult disease as a potential cause of weight loss may be considered.

INTERPRETED BY

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

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Shohola Vet Hospital

REFERRING VET

Dr. Gramazio

INVOICE

33367

DATE

12/9/21





PATIENT

Dexter Ganly

SPECIES

Canine

BREED

Mix

SEX

Neutered Male

AGE

11 Years

WEIGHT

63 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Shohola Vet Hospital

REFERRING VET

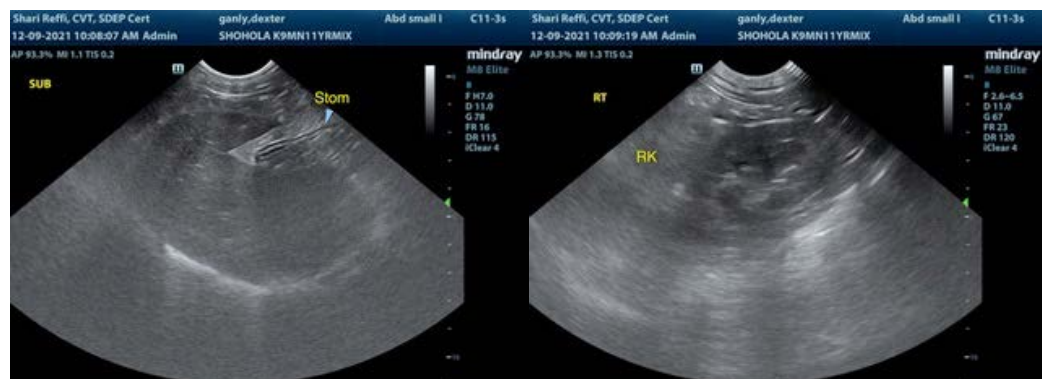
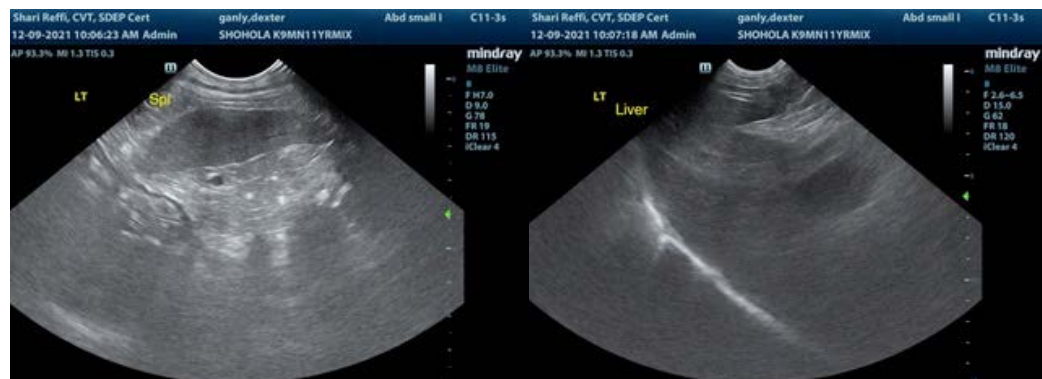
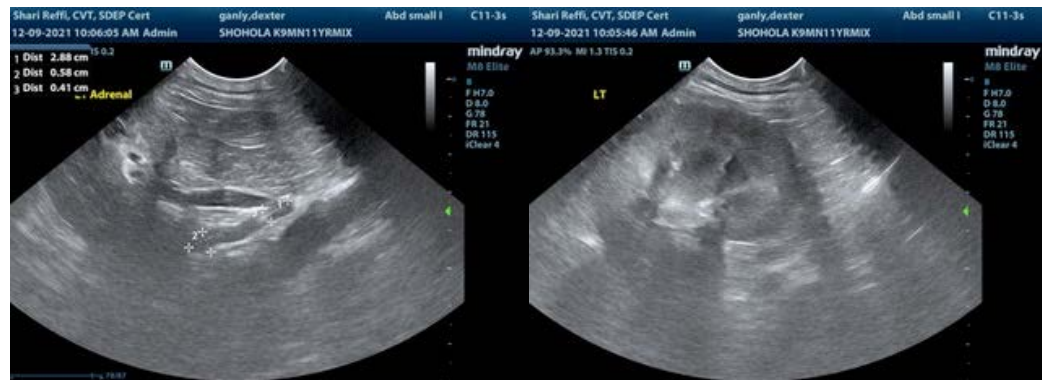
Dr. Gramazio

INVOICE

33367

DATE

12/9/21





PATIENT

Dexter Ganly

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

Mix

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

SEX

Neutered Male

AGE

11 Years

WEIGHT

63 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

Shohola Vet Hospital

REFERRING VET

Dr. Gramazio

INVOICE

33367

DATE

12/9/21