

PATIENT PRESENTING CLINICAL SIGNS

Milo Deneumoustier Elevated liver values. Doing well clinically. FNA of liver taken at time of ultrasound. On Ursodiol 300 mg, 1/2 t q12h; Denamarin 425 mg, 1 q24h *Sedated with torb/dexdomitor
 Abnormal PE/Chem/CBC/UA Results: AST 123; ALT 491; ALP 189

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Husky

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.

AGE

8 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.8 cm. The right kidney measured 6.0 cm.

Adrenal Glands

WEIGHT

47 Pounds

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm at the cranial pole and 0.53 cm at the caudal pole.

The right adrenal gland exhibited mild symmetrical enlargement of the cranial pole. The parenchyma and the mildly enlarged cranial pole were isoechoic to mid to caudal parenchyma. No evidence of mineralization. The right adrenal gland measured 1.5 cm at the cranial pole and 0.58 cm at the caudal pole.

INTERPRETED BY

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

Spleen

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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.

HOSPITAL NAME

East Boston VH

Liver

REFERRING VET

Dr. Raman Chopra

The liver was normal in size with asymmetrical contour. Generalized non-uniform to nodular parenchyma was noted with increased yet indistinct prominence of the portal vascular borders. The gallbladder was non distended in size with moderate, non-dependent, mildly congealed, echogenic debris. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal

INVOICE

25809

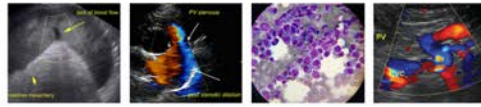
The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. Gastric body wall measured 0.40 c.

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. Duodenum wall measured 0.47 cm. Jejunum wall measured 0.36 cm.

DATE

9/26/21

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



PATIENT

Pancreas

Milo Deneumoustier

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

SPECIES

Canine

Free Abdomen

Several mildly enlarged medial iliac lymph nodes were present adjacent to the iliac trifurcation. Example measured 1.1 cm length x 0.47 cm in width. These lymph nodes were homogenous, mildly hypoechoic and smoothly margined. A normal width: length ratio was maintained (<0.5). Evidence of perilymphatic inflammation was evident.

BREED

Husky

Small pockets of scant free fluid were noted primarily in the right cranial abdomen, caudal to the caudate liver and adjacent to the pancreas.

SEX

Neutered Male

PRIMARY FINDINGS

- Non-uniform nodular liver
- Moderate gallbladder debris (non-mucocele)
- Small pockets of scant peritoneal free fluid

AGE

8 Years

SECONDARY FINDINGS

- Early age related kidneys
- Mild right adrenomegaly
- Heterogeneous pancreas

WEIGHT

47 Pounda

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Although not definitive, primary concern for chronic hepatitis/cholangiohepatitis (immune mediated, infectious or other) with parenchymal remodeling, multiple areas of nodular to regenerative hyperplasia, possible lipogranulomas, or fibrosis/cirrhosis with potential for concurrent vacuolar hepatic changes and cholestasis or other hepatopathy. Possible hepatocutaneous syndrome if evidence of concurrent skin lesions or neoplasia cannot be excluded. Pending hepatic cytology obtained via FNA, hepatic core biopsy is likely required for definitive diagnosis.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

The mild right adrenomegaly is suggestive of potential isoechoic adenomatous change or benign hyperplasia. Potential for emerging right adrenal neoplasia is considered unlikely. However, sonographic monitoring of the right adrenal gland for evidence of progression with initial recheck in 4-6 weeks is recommended.

HOSPITAL NAME

East Boston VH

The pancreas is likely consistent with age or patient variant and considered incidental. No evidence of active pancreatitis.

REFERRING VET

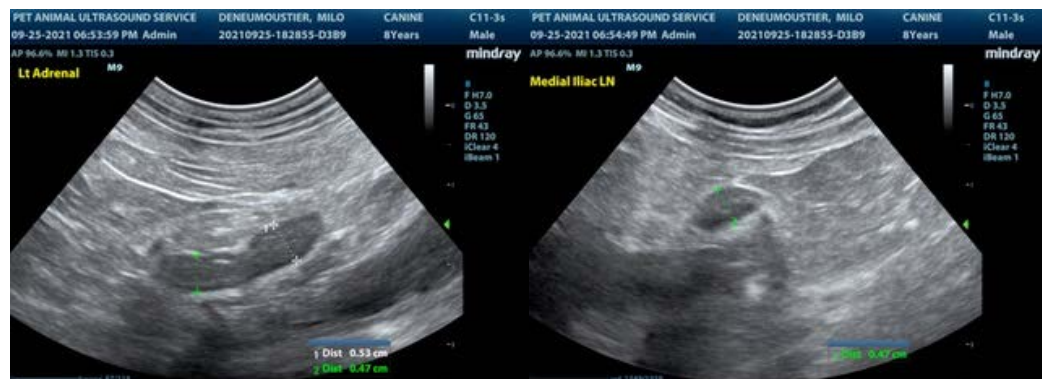
Dr. Raman Chopra

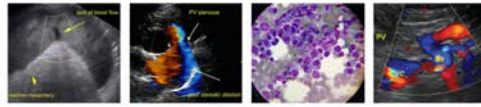
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SPECIES

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SEX

Neutered Male

AGE

8 Years

WEIGHT

47 Pounds

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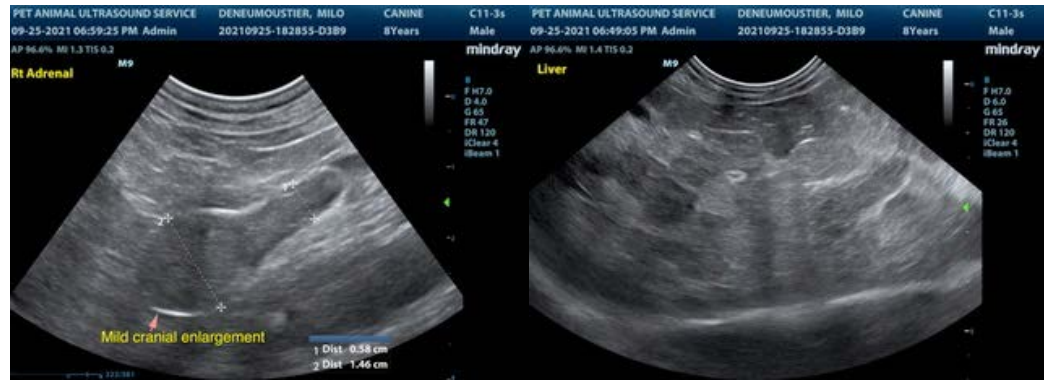
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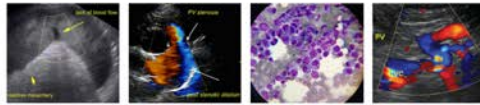
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PATIENT

Milo Deneumoustier

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

Husky

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

SEX

Neutered Male

AGE

8 Years

WEIGHT

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DABVP (Canine and Feline)

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