



PATIENT PRESENTING CLINICAL SIGNS

Vera Northwest
Dog Project
SPECIES

Panting while at rest, tall heart with dorsally deviated trachea noted, hepatomegaly observed Current Medications Tacrolimus, tobramycin, and cyclosporine for dry eye
Abnormal PE/Chem/CBC/UA Results: Marked lipemia and markedly elevated ALP

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Shih Tzu

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – 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

Spayed Female

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 4.1 cm. The right kidney measured 4.3 cm.

AGE

13 Years

Adrenal Glands

WEIGHT

10.8

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.49 cm at the cranial pole and 0.60 cm at the caudal pole. The right adrenal gland measured 1.2 cm at the cranial pole and 0.40 cm at the caudal pole.

INTERPRETED BY

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

Spleen

IMAGING PERFORMED BY

Jenna Walsh

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.

Liver

HOSPITAL NAME

Eugene AH

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Jeremy Polk

Gastrointestinal

INVOICE

24674

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.

DATE

8/13/21

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.



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

Vera Northwest
Dog Project

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

Canine

BREED

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

Shih Tzu

ULTRASONOGRAPHIC FINDINGS

SEX

- Hepatomegaly – subjectively benign
- Sonographically unremarkable gallbladder

Spayed Female

AGE

- Moderate chronic renal changes

13 Years

- Heterogeneous pancreas

WEIGHT

10.8

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although non-specific, overall appearance of the liver was most suggestive of benign hepatopathy/hepatomegaly. Vacuolar hepatopathy and hepatic cholestasis suspected given the markedly elevated ALP with potential for primary or concurrent inflammatory hepatobiliary disease (i.e., cholangiohepatitis), infectious/immune mediated hepatopathy, with hepatic neoplasia considered an unlikely differential diagnosis.

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(Canine and Feline)

Assuming normal clotting status, hepatic FNA may be considered for screening cytology. If clinically indicated, screening UCCR +/- LDDST (if concern for hyperadrenocorticism) may be considered. Denamarin and Ursodiol (due to its antioxidant and immunomodulatory effects within the liver) may prove beneficial. If persistent hyperlipidemia, omega fatty acids and/or Chitosan may be considered.

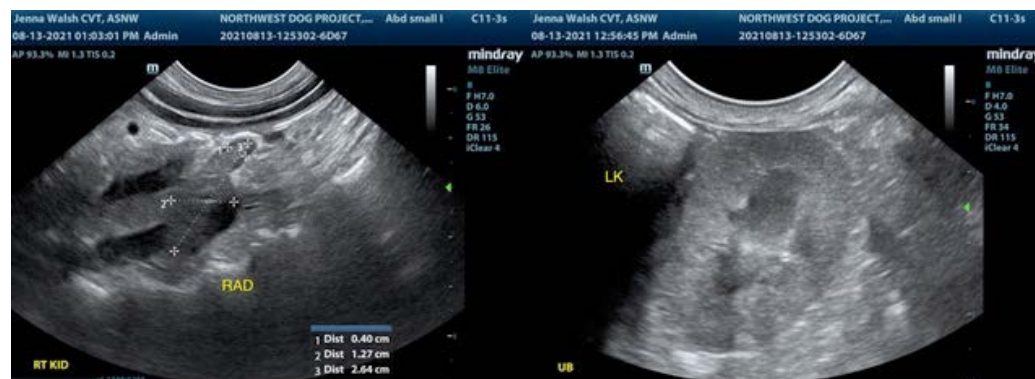
IMAGING PERFORMED BY

Jenna Walsh

The heterogeneous pancreas is non-specific and may indicate age related pancreatic changes. Potential for parenchymal remodeling owing to previous inflammatory episode or low-grade inflammation may be present if elevated spec cPL or evidence of cranial abdominal or subxiphoid discomfort on palpation.

HOSPITAL NAME

Eugene AH



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PATIENT

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SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

13 Years

WEIGHT

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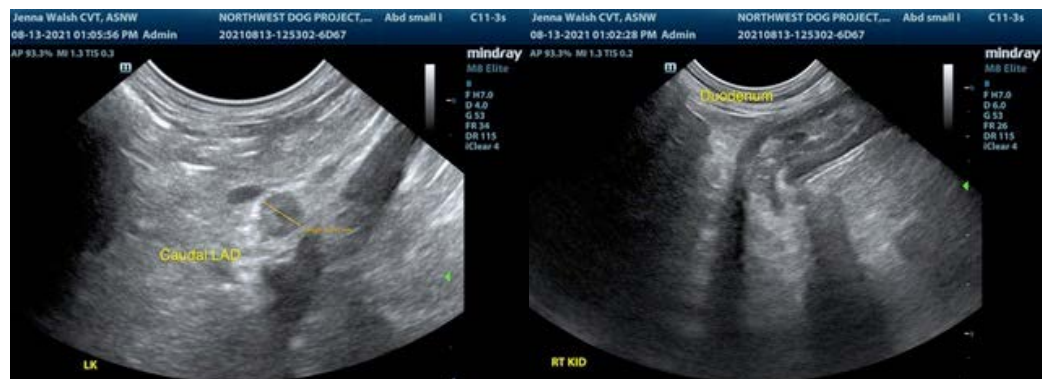
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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