



PATIENT PRESENTING CLINICAL SIGNS

Winston Pollard Progressive elevations of liver enzymes; no clinical signs. Predental 3/22: ALT 133; ALP 255. Placed on Denamarin. Recheck BW 6/26: ALT 355; ALP 487.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED

Dachshund

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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

MN

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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.6 cm in length. The right kidney measured 4.3 cm in length.

AGE

13yr

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

14.4lb

Both adrenal glands were mildly prominent in size with symmetrical capsule contour and mild non-homogeneous parenchyma including a non-expansive left adrenal nodule measuring 1.5 cm x 0.66 cm. The left adrenal gland measured 0.71 cm width at the caudal pole and 0.84 cm width at the cranial pole. The right adrenal gland measured 0.66 cm width at the caudal pole and 0.59 cm width at the cranial pole.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

Liver

HOSPITAL NAME

VCA Palmer Animal Hospital

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.

REFERRING VET

Dr. Mellon

The gallbladder was non-distended in size with mildly prominent walls and mild non-dependent to hyperechoic luminal debris in the caudal lumen and gallbladder neck. The cystic and common bile ducts were normal.

INVOICE

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Gastrointestinal

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

08/15/2022

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.



PATIENT

Pancreas

Winston Pollard

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

SPECIES

Free Abdomen

Canine

No omental masses, lymphadenopathy or peritoneal effusion was present.

BREED

Dachshund

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy-subjectively benign
- Mild gallbladder debris-suspect mild chronic cholecystitis
- Bilateral prominent adrenal glands with left adrenal nodule
- Bilateral age related kidney changes

SEX

MN

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

13yr

Overall the appearance of the liver was non-specific, considerations may include vacuolar hepatopathy, inflammatory hepatopathy i.e. hepatitis/cholangiohepatitis or other. The left adrenal nodule although non-specific is suggestive of adenoma with potential for benign hyperplasia. Neoplastic criteria is thought less likely.

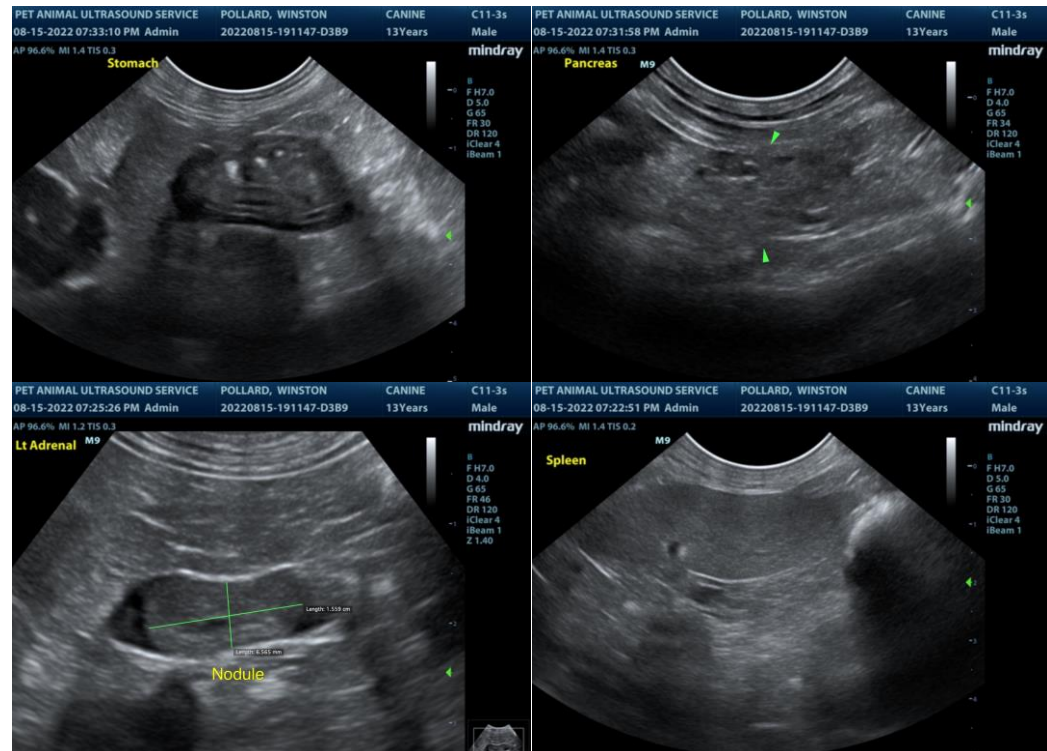
WEIGHT

14.4lb

A full adrenal work up including LDDST as well as systemic BP may be considered. A screening hepatic FNA for cytology assuming normal clotting status is recommended. Continued hepatosupportive medications may prove beneficial. Sonographic reassessment of the left adrenal nodule for evidence of progression in 2-3 months is recommended.

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 DABVP (Canine and Feline)



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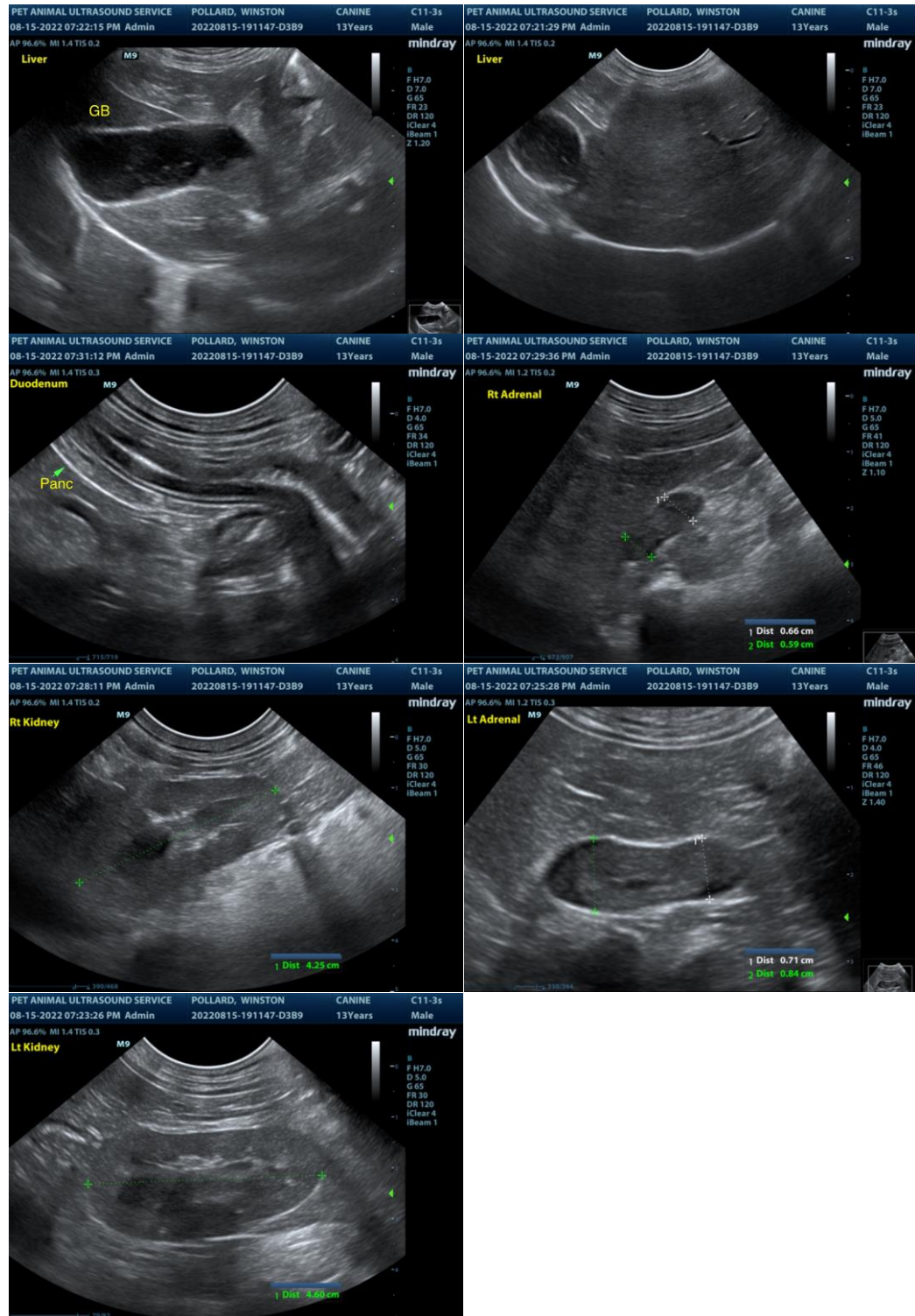
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

Winston Pollard

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