



PATIENT

Chloe Brennan

SPECIES

Canine

BREED

Cavalier King Charles Spaniel

SEX

FS

AGE

9y, 5m

WEIGHT

16.1 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

VCA Hanson

REFERRING VET

Joanne Oscar, DVM

INVOICE

14770

DATE

8/2/23

PRESENTING CLINICAL SIGNS

Recheck echo. History chronic valvular disease-Stage B2. Doing well at home on Pimobendan 5mg, 1/2t in AM and 1/4t in PM. On BW elevate ALP (339). Having bi-cavity exams.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 was noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained with mildly indistinct corticomedullary border demarcation. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.0 cm in length. The right kidney measured 5.1 cm in length.

Adrenal Glands

The left adrenal gland was mildly prominent in size based on caudal pole width measurement in light of body weight exhibiting subtle heterogeneous left adrenal parenchyma. There was no evidence of nodules, tumors, or parenchymal mineralization. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.55 cm width at the cranial pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.46 cm width at the caudal pole and 0.45 cm width at the cranial 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/ Gallbladder

The liver presented as mildly 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 containing primarily anechoic content with mild, nonorganized gallbladder sediment. No evidence of gallbladder or peripheral gallbladder inflammatory criteria was noted. The cystic and common bile ducts were normal.



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Gastrointestinal

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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.

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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

Pancreas

Cavalier King Charles Spaniel

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 were evident.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS

- Mild hepatomegaly - sonographically benign
- Mild gallbladder sediment (non mucocele)
- Mildly prominent nonhomogeneous left adrenal gland - nonspecific

WEIGHT

16.1 lbs.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Although nonspecific, the liver presentation is suggestive of vacuolar hepatopathy pattern with potential for nonobstructive cholestasis. Inflammatory hepatopathy i.e., cholangiohepatitis, is considered a less likely differential diagnosis without sonographic evidence of hepatic neoplastic criteria.

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The mildly prominent nonhomogeneous left adrenal gland may indicate a patient variant, stress hyperplasia, emerging adenomatous change, or mild benign hyperplasia. There is no evidence of adrenal neoplastic criteria.

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Given no reported clinical signs in this patient, primary adrenal disease is considered less likely, yet full adrenal workup with LDDST could be considered if clinical signs consistent with Cushing's Syndrome arise. Hepatosupportive medications including Denamarin and Ursodiol, if tolerated, may prove beneficial.

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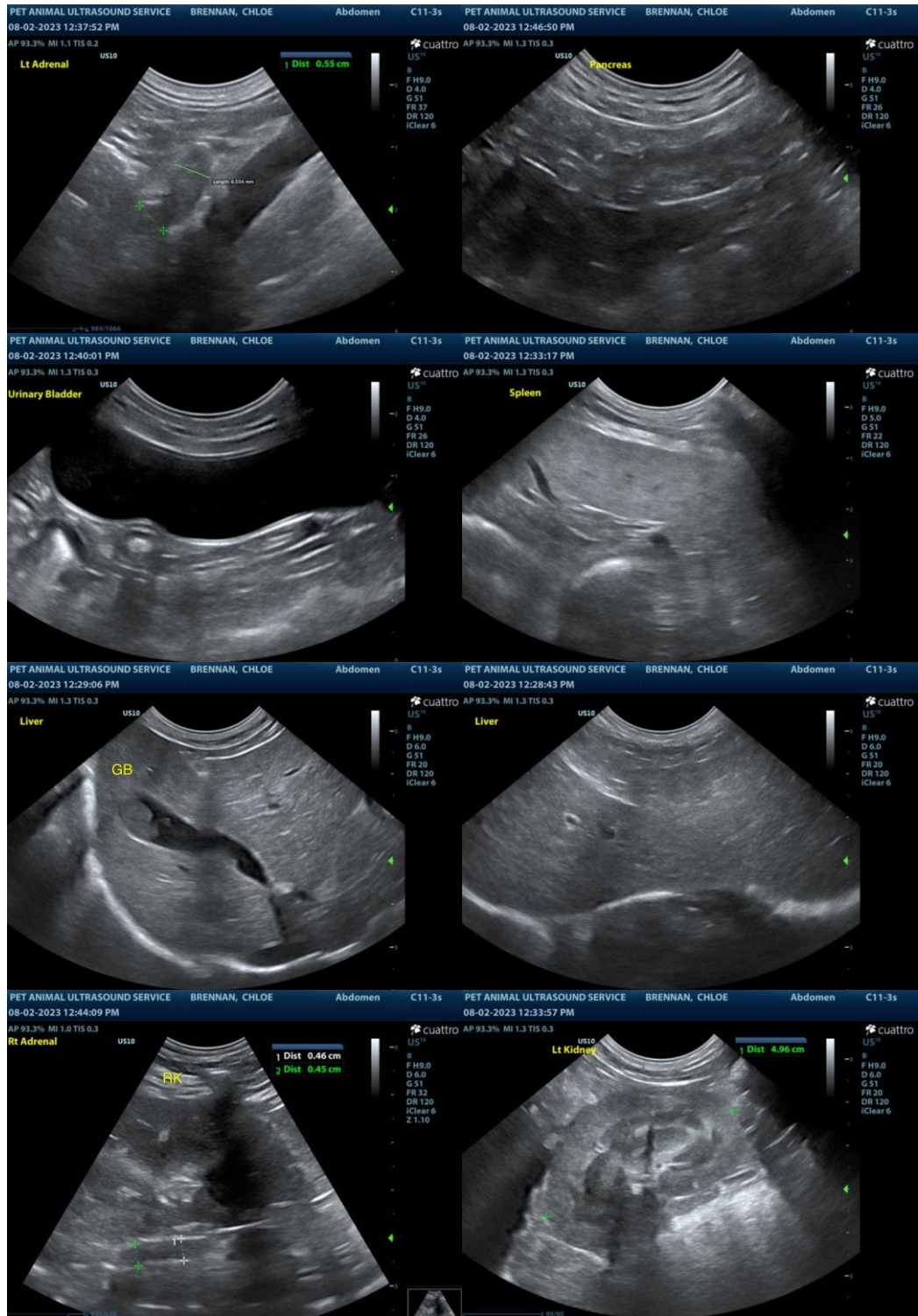
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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info@SonoPath.com

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