



PATIENT PRESENTING CLINICAL SIGNS

Chester Allen Lethargy, decreased appetite, chronic URI. WBC 19.22, HCT/Hg 28.3/8.9, SDMA 36

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with minor non-dependent to congealed non-mineralized sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED DLH
 Normal renal size with asymmetrical margination was present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. The left kidney measured 4.5 cm in length. The right kidney measured 4.2 cm in length.

SEX MN
 The area of the aortic trifurcation was free of pathology.

AGE 14yr Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.29 cm width.

WEIGHT 10lb Spleen

INTERPRETED BY
 R. McKenzie Daniel, DVM, DABVP (Canine and Feline)
 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. The spleen measured 0.9 cm in width at the level of the hilus.

IMAGING PERFORMED BY Liver/Gallbladder

Pamela Harrigan, RDCS
 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.

HOSPITAL NAME
 Pine Banks Animal Hospital
 The gallbladder appeared to be divided into two separate compartments consistent with bilobed gallbladder which is a normal variant in a cat. The gallbladder was non-distended with primarily anechoic luminal content. The proximal common bile duct was mildly dilated and tortuous without overt post hepatic obstruction. The common bile duct measured 0.2 cm width.

REFERRING VET Gastrointestinal

Dr. Syed
 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. The pylorus wall measured 0.33 cm in width.

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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. The duodenum wall



PATIENT

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measured 0.26 cm width. The jejunum wall measured 0.21 cm width. The ileocolic wall measured 0.25 cm width.

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

SPECIES

Pancreas

Feline

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

BREED

Free Abdomen

DLH

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

SEX

MN

AGE

14yr

- Hepatic parenchyma remodeling-subjectively benign
- Bilobed gallbladder with mild non-obstructive proximal common bile duct dilation
- Sonographically unremarkable GI tract
- Heterogenous pancreas-patient / age variant, remodeling owing to previous inflammatory episode or mild to chronic pancreatitis possible
- Chronic renal changes with minor urinary bladder sediment

WEIGHT

10lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The bilobed gallbladder is a normal variant in a cat. The proximal CBD dilation is suspected to be consistent with age related CBD changes while the overall hepatobiliary presentation may suggest low-grade inflammation i.e., cholangitis if previous history or hepatic enzyme elevations.

INTERPRETED BY

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

U/A +/- C/S if evidence of inflammatory cells and/or UPC level if evidence of proteinuria is recommended. Pancreatitis may be considered if evidence of cranial abdominal or subxiphoid discomfort on palpation. Correlation with a spec fPL or a GI panel to include PLI/TLI/Cobalamin/Folate is recommended. No evidence of intra-abdominal neoplastic criteria was present.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

Empirically as needed GI support and therapy for low grade chronic to chronic active pancreatitis with assessment of clinical response would be reasonable. Three view chest radiographs are recommended if not done to assess for occult thoracic pathology as a contributing factor.

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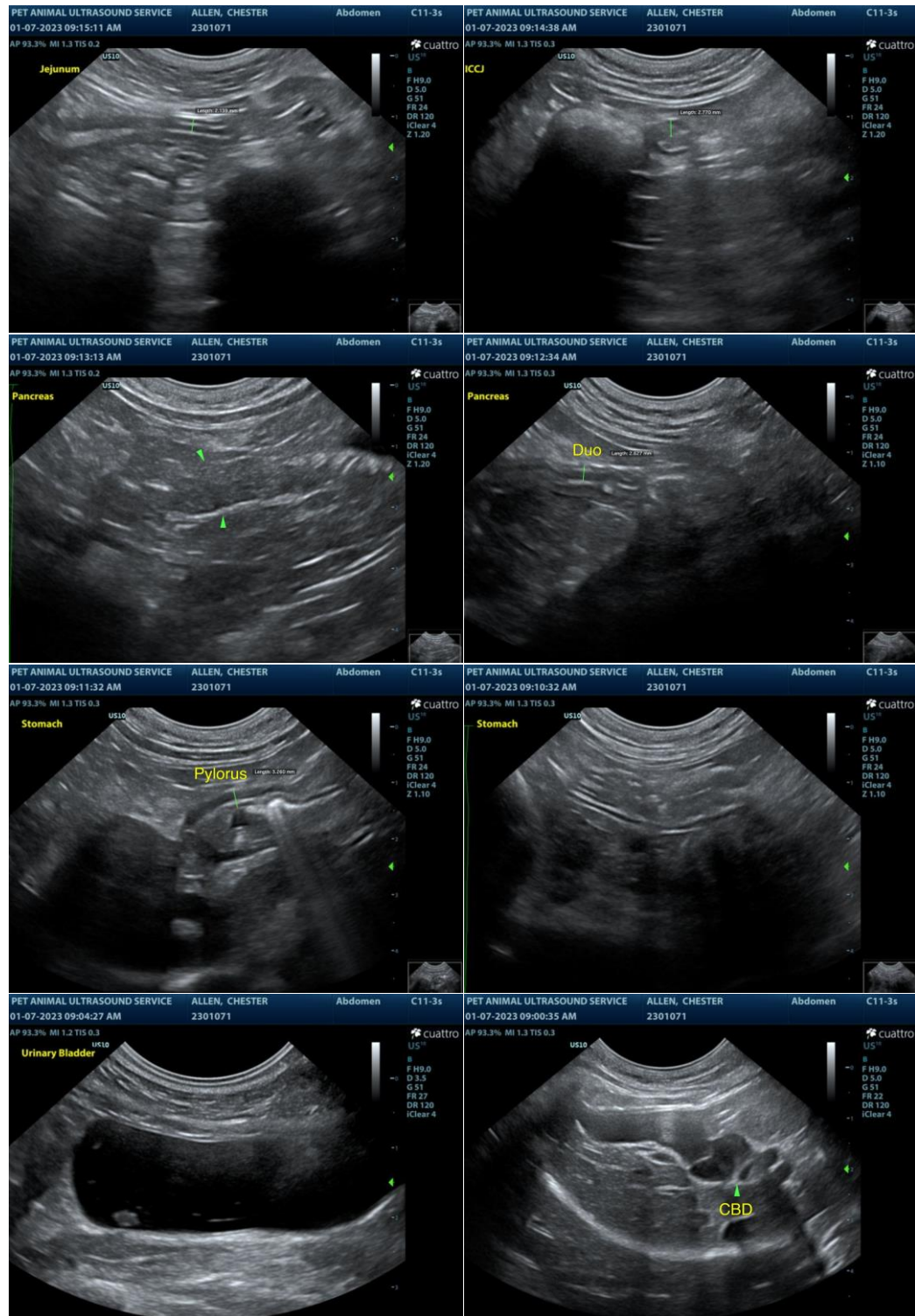
Dr. Syed

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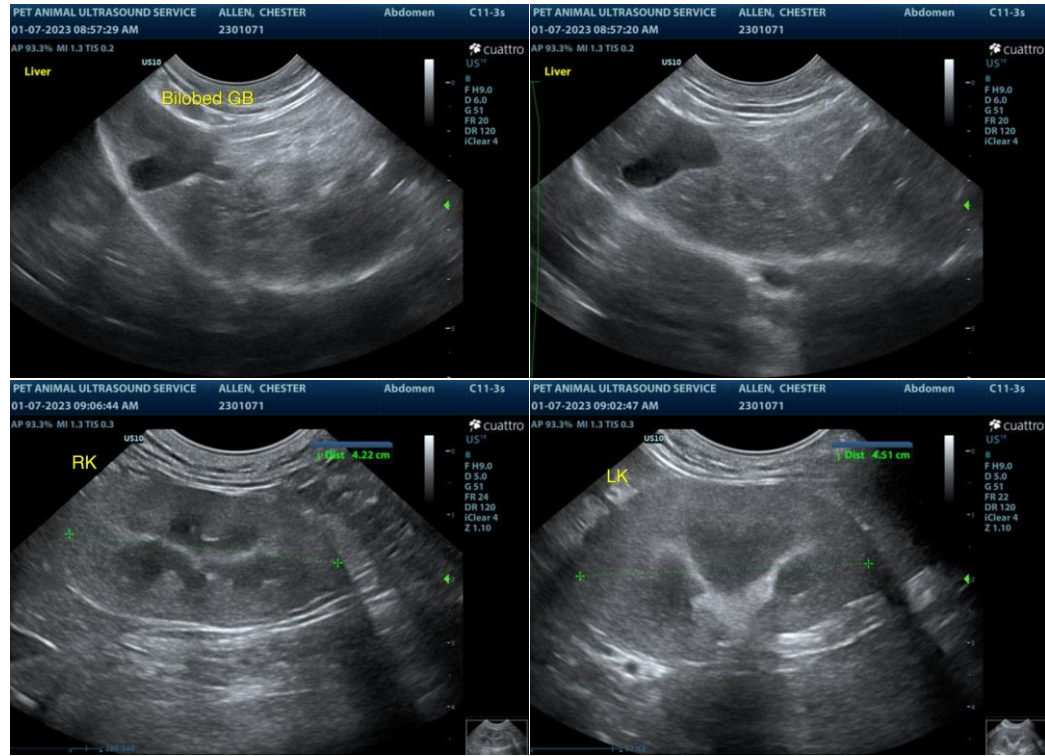
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 14yr

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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.

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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IMAGING PERFORMED BY
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