



PATIENT	PRESENTING CLINICAL SIGNS
Kujo Lyons	increased liver and kidney values Current Medications Azodyl Abnormal PE/Chem/CBC/UA Results: ALT: 656 AST: 418 TBIL: 1.4 CREA: 2.1 BUN: 43 other values
SPECIES	WNL
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Pitbull X	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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.
SEX	
MN	The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.96 cm in diameter.
AGE	
13 years	The area of the aortic trifurcation was free of pathology.
WEIGHT	
61.6 lbs.	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 mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild bilateral pyelectasia was present. The left kidney measured 6.2 cm in length. The right kidney measured 6.4 cm in length.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.8 cm length x 1.0 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.4 cm length x 0.85 cm width at the caudal pole.
IMAGING PERFORMED BY	Spleen
Jenna Walsh, CVT	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	Liver/ Gallbladder
The Ark VC	The liver exhibited potential for mild generalized enlargement with normal structure and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild, echogenic, nonorganized gallbladder debris. No evidence of gallbladder or peripheral inflammation was noted. The cystic and common bile ducts were normal.
REFERRING VET	
Dr. Bohannon	
INVOICE	
12540	
DATE	
11/5/21	



PATIENT

Gastrointestinal

Kujo Lyons

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.

SPECIES

Canine

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.

BREED

Pitbull X

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

SEX

MN

Pancreas

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.

AGE

13 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

61.6 lbs.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Bilateral mild to moderate chronic renal changes with mild pyelectasia
- Hepatopathy - subjectively benign

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the kidneys was sonographically consistent with IRIS Stage-2, chronic kidney disease. The pyelectasia in both kidneys may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

The Ark VC

Although nonspecific, the presentation of the liver is suggestive of inflammatory hepatic parenchymal or hepatobiliary process (infectious, immune-mediated), with suspect minor nonclinical cholestasis, given the mildly elevated total bilirubin. No overt evidence of hepatic or hepatobiliary neoplastic criteria, which is considered a less likely differential diagnosis.

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Dr. Bohannon

Further assessment may include, assuming normal clotting status, hepatic FNA for screening cytology, and potential identification of inflammatory cell type, as well as Leptospirosis titer/PCR if clinically indicated. CKD therapy, as well as hepatosupportive medications including Denamarin and Ursodiol, would be appropriate.

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PATIENT

Kujo Lyons

SPECIES

Canine

BREED

Pitbull X

SEX

MN

AGE

13 years

WEIGHT

61.6 lbs.

INTERPRETED BY

R. McKenzie Daniel,
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(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

The Ark VC

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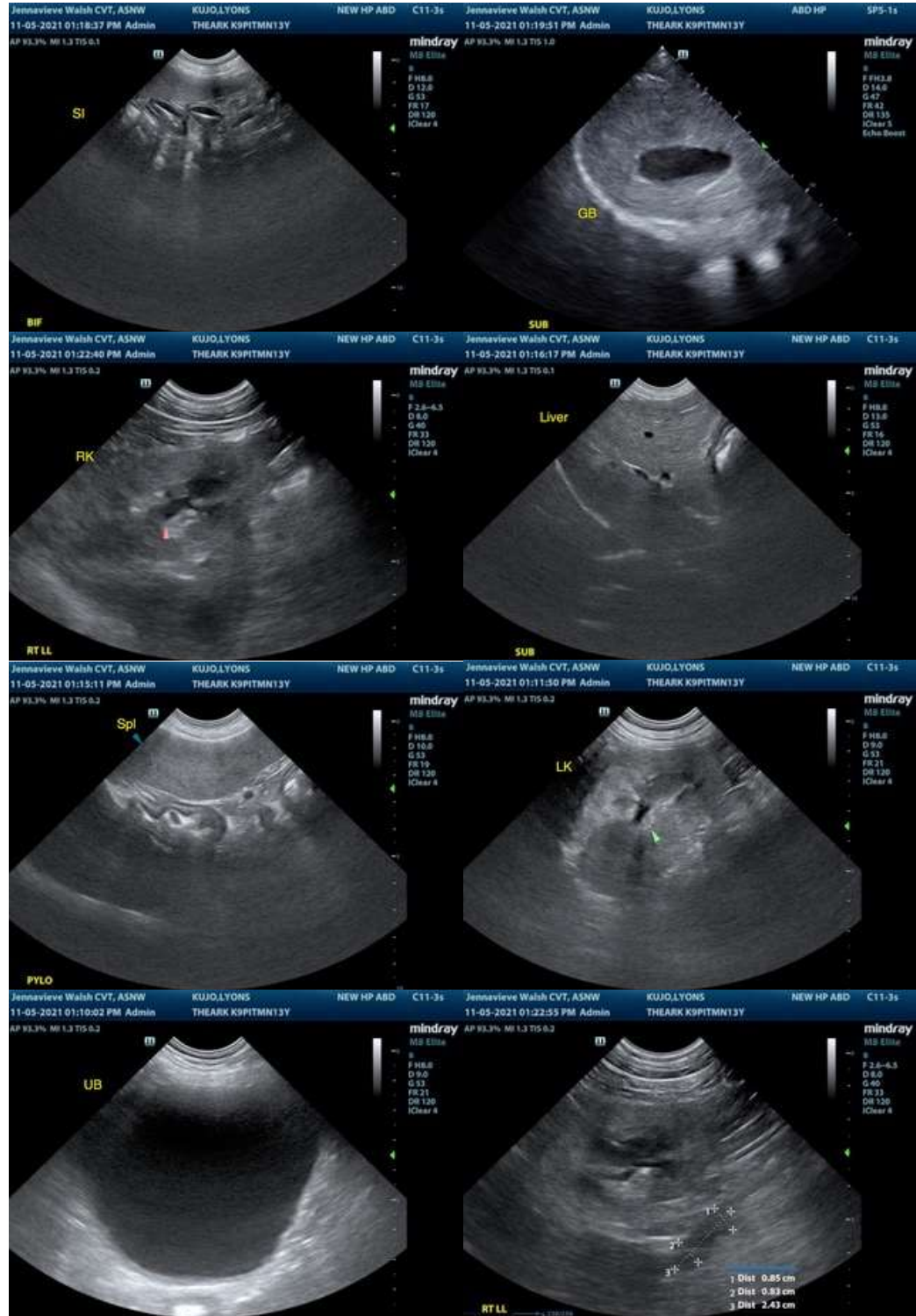
Dr. Bohannon

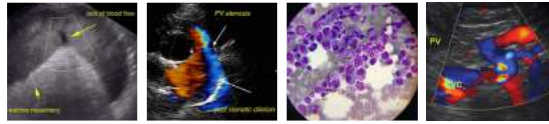
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Kujo Lyons

SPECIES

Canine

BREED

Pitbull X

SEX

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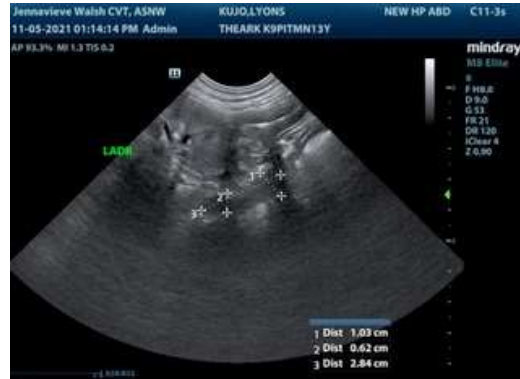
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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