



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Chewy Riley	Vomiting for 2 weeks; abdominal pain today on presentation
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: See attached - CHEM: ALT on dilution 3511, ALP 1515, GGT 20, Tbili 10.6, Chol 449, rest of chem WNL; CBC: Neutro 12.07, Mon 1.73, rest NSF
Canine	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
<b>BREED</b>	<b>Urinary System</b>
Chihuahua Mix	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.
<b>SEX</b>	
MN	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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.5 cm in length. The right kidney measured 4.4 cm in length.
<b>AGE</b>	
10yr	The area of the aortic trifurcation was free of pathology.
<b>WEIGHT</b>	The area of the residual prostate appeared normal and free of pathology measuring 0.61 cm in diameter.
23lb	<b>Adrenal Glands</b>
<b>INTERPRETED BY</b>	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.37 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 0.49 cm width at the caudal pole and 0.63 cm width at the cranial pole.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	<b>Spleen</b>
<b>IMAGING PERFORMED BY</b>	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.
Amanda Crook	<b>Liver/Gallbladder</b>
<b>HOSPITAL NAME</b>	The liver was subjectively normal in size, 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 mildly prominent to echogenic walls and primarily anechoic luminal content with mild to moderate congealed potentially adhered variably echogenic debris. The debris was nonvascular on color Doppler measuring ~ 1.8 cm x 1.0 cm. Minor dilation of the cystic biliary duct was present. The common bile duct was not definitively visualized.
Rivers Edge Pet Medical Center	<b>Gastrointestinal</b>
<b>REFERRING VET</b>	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild non-shadowing ingesta/chyme with no signs of ileus, obstruction or foreign material.
Dr. Gray	
<b>INVOICE</b>	
12921	
<b>DATE</b>	



## PATIENT

Chewy Riley

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.

## SPECIES

Canine

## 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 was evident.

## BREED

Chihuahua Mix

## Free Abdomen

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

## SEX

MN

## ULTRASONOGRAPHIC FINDINGS

- Hepatopathy exhibiting adequate hepatic vascular volume
- Non-distended gallbladder with moderate congealed potentially adhered debris, possible low-grade chronic cholecystitis
- Mild hypomotile stomach
- Sonographically unremarkable small bowel
- Normal pancreas

## AGE

10yr

## WEIGHT

23lb

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the liver was non-specific yet suggestive of hepatitis (viral, bacterial, leptospirosis, toxin, etc.) given the significant ALT elevation with possible concurrent vacuolar hepatic changes, non-obstructive cholestasis or other hepatopathy. No evidence of post-hepatic obstructive criteria.

## INTERPRETED BY

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

Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology is warranted for further assessment. A leptospirosis titer/PCR may be considered if clinically indicated or if potential exposure/endemic to the area. A spec cPL could be considered to assess for evidence of low-grade pancreatitis which may present sonographically normal as a contributing factor.

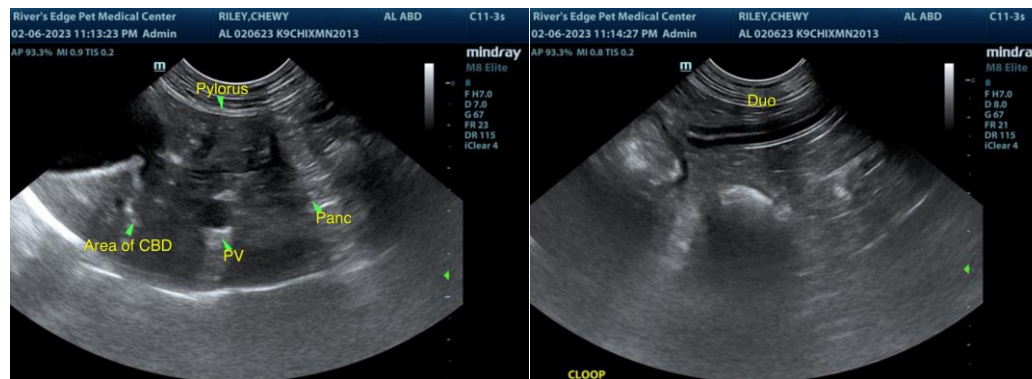
## IMAGING PERFORMED BY

Amanda Crook

Hepatic and GI supportive care, potential empirical antibiotic protocol given suspect non-specific hepatitis with assessment of clinical response +/- recheck sonogram if clinically indicated is recommended.

## HOSPITAL NAME

Rivers Edge Pet  
Medical Center



## REFERRING VET

Dr. Gray

## INVOICE

12921

## DATE



**PATIENT**

Chewy Riley

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

MN

**AGE**

10yr

**WEIGHT**

23lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amanda Crook

**HOSPITAL NAME**

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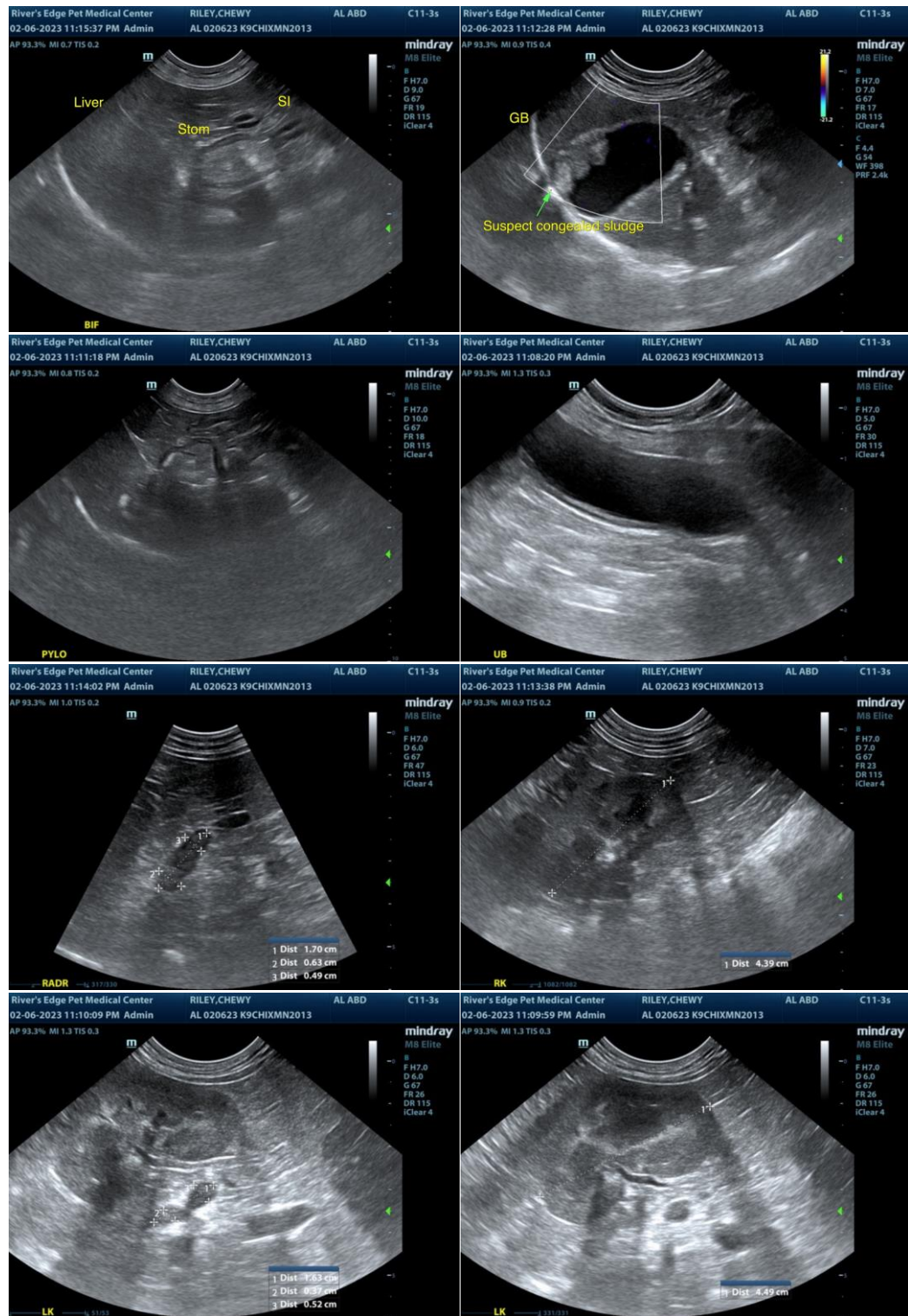
**REFERRING VET**

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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



**PATIENT**

can be of any further assistance, please contact me.

Chewy Riley

**SPECIES**

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Canine

**BREED**

Chihuahua Mix

**SEX**

MN

**AGE**

10yr

**WEIGHT**

23lb

**INTERPRETED BY**

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DVM, DABVP  
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**IMAGING  
PERFORMED BY**

Amanda Crook

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