



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Mister Woodles Lutz	Severely increased Alk Phos, anorexia
<b>SPECIES</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Canine	<b>Urinary System</b>
<b>BREED</b>	The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No evidence of mineral or calculi was noted. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
Dachshund Mix	
<b>SEX</b>	The area of the residual prostate was free of overt pathology.
NM	No evidence of pathology in the area of the aortic trifurcation.
<b>AGE</b>	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 or pyelectasia was present. A small caudal right kidney cortical cyst was noted. Pinpoint medullary mineral was noted in both kidneys. The left kidney measured 4.7 cm in length. The right kidney measured 5.5 cm in length.
15 years	
<b>WEIGHT</b>	
13.4	
<b>INTERPRETED BY</b>	<b>Adrenal Glands</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left and right adrenal glands were indistinctly visualized exhibiting subjective mild enlargement based on caudal pole width measurement in light of body weight. The left adrenal gland subjectively measured 0.80 cm width at the caudal pole. The right adrenal gland subjectively measured 0.73 cm width at the caudal pole.
<b>IMAGING PERFORMED BY</b>	<b>Spleen</b>
Hope Brossman	The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.
<b>HOSPITAL NAME</b>	<b>Liver/ Gallbladder</b>
Animal Mansion Veterinary Hospital	The liver exhibited mild to possible moderate generalized enlargement with areas of capsule asymmetry and nonhomogeneous, mildly hypoechoic hepatic parenchyma. Mild increased prominence of the portal vascular borders was present. Normal to adequate hepatic vascular volume was noted. There were no visualized hepatic masses or definitive intraparenchymal nodules. The gallbladder was non-distended in size containing primarily anechoic content with mild gallbladder sediment. No evidence of peripheral gallbladder inflammation was noted. The cystic and common bile ducts were normal.
<b>REFERRING VET</b>	
Shelly Parker DVM	
<b>INVOICE</b>	
14806	
<b>DATE</b>	
8/15/23	



**PATIENT**

Mister Woodles Lutz

**SPECIES**

Canine

**BREED**

Dachshund Mix

**SEX**

NM

**AGE**

15 years

**WEIGHT**

13.4

**Gastrointestinal**

The stomach presented mild wall thickening secondary to mild echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. The stomach was primarily empty with mild retained fluid and chyme.

The small intestine presented intact subjective segmental to generalized borderline prominent wall layering. No evidence of mechanical / metabolic intestinal ileus or obstructive pattern to the level of the colon was noted.

Normal visible colon wall layers were present with semi-formed fecal matter.

**Pancreas**

The left pancreatic limb was normal in size with mild capsule asymmetry exhibiting mild nonhomogeneous hypoechoic parenchyma compared to adjacent peri pancreatic omentum.

**Free Abdomen**

No significant omental lymphadenopathy was present. Generalized mild increased omental echogenicity was noted. There was no evidence of peritoneal effusion.

**ULTRASONOGRAPHIC FINDINGS**

- Enlarged nonhomogeneous to hypoechoic liver - suggestive of acute on chronic hepatopathy criteria, nonspecific hepatitis (viral, bacterial, leptospirosis, toxin (vacuolar hepatopathy, hyperplasia, hematopoiesis, noncardiogenic hepatic congestion, occult infiltrative neoplasia, all potentials
- Mild gallbladder sediment (non-mucocele)
- Nonspecific gastroenteritis pattern
- Mildly hypoechoic left pancreas - nonspecific, possible mild pancreatitis
- Mild chronic renal changes with small right kidney cortical cyst
- Subjective bilateral mild adrenomegaly - nonspecific

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Hope Brossman

**HOSPITAL NAME**

Animal Mansion  
Veterinary Hospital

**REFERRING VET**

Shelly Parker DVM

**INVOICE**

14806

**DATE**

8/15/23

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Assuming normal clotting status, further assessment of the liver may include screening hepatic FNA cytology +/- Leptospirosis titers / PCR if clinically indicated. There was no evidence of post hepatic obstructive criteria.

Potential for mild pancreatitis as a possible contributing factor to the patient's clinical signs may be suspected if evidence of cranial abdominal or subxiphoid discomfort on palpation.

Empirical therapy for acute on chronic hepatopathy which may include hospitalization with IV fluids, hepato-gastrointestinal protectants, Ursodiol +/- antibiotic therapy, and assessment of clinical response would be reasonable. A guarded prognosis is indicated.



**PATIENT**

Mister Woodles Lutz

**SPECIES**

Canine

**BREED**

Dachshund Mix

**SEX**

NM

**AGE**

15 years

**WEIGHT**

13.4

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Hope Brossman

**HOSPITAL NAME**

Animal Mansion  
Veterinary Hospital

**REFERRING VET**

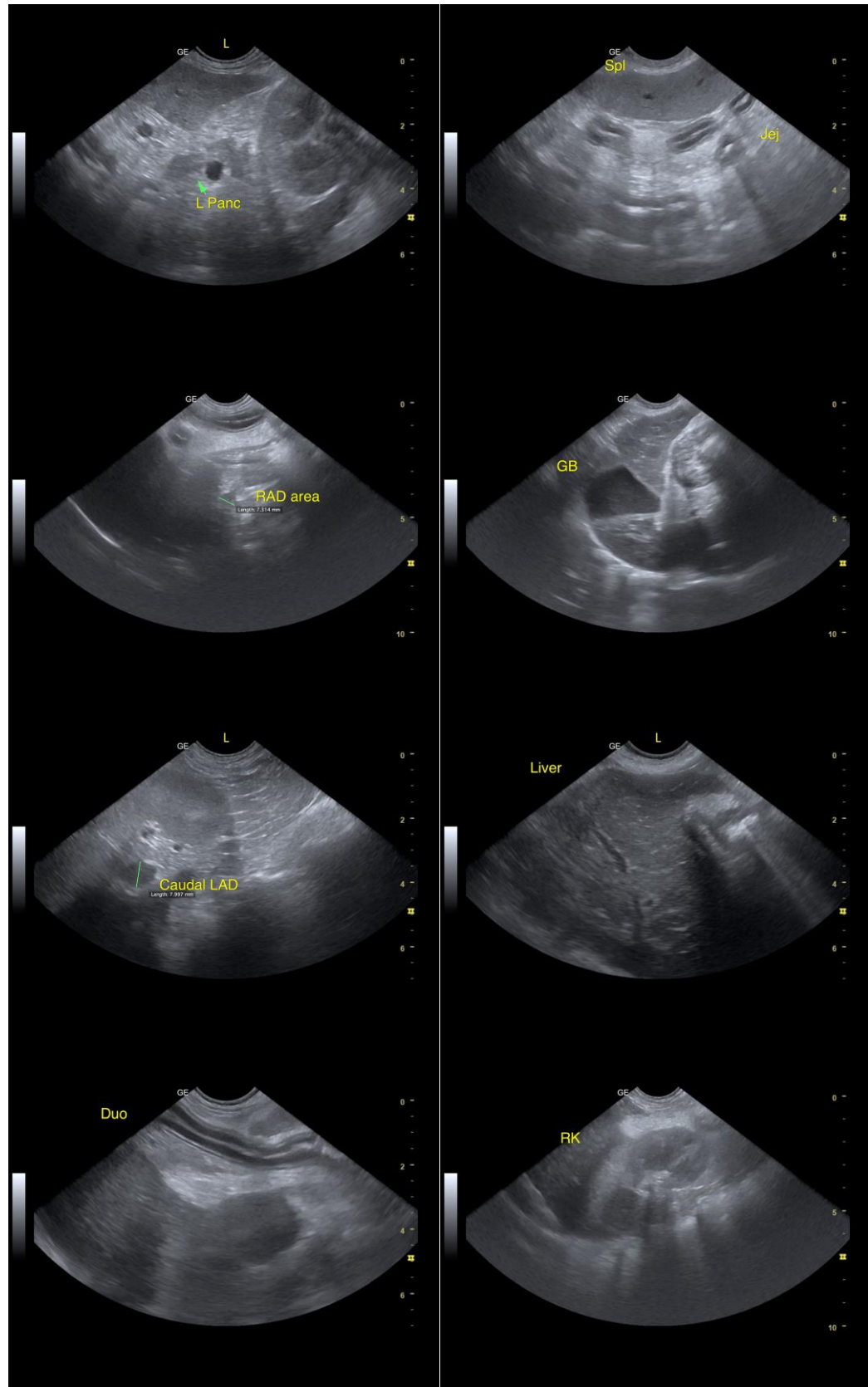
Shelly Parker DVM

**INVOICE**

14806

**DATE**

8/15/23





**PATIENT**

Mister Woodles Lutz

**SPECIES**

Canine

**BREED**

Dachshund Mix

**SEX**

NM

**AGE**

15 years

**WEIGHT**

13.4

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Hope Brossman

**HOSPITAL NAME**

Animal Mansion  
Veterinary Hospital

**REFERRING VET**

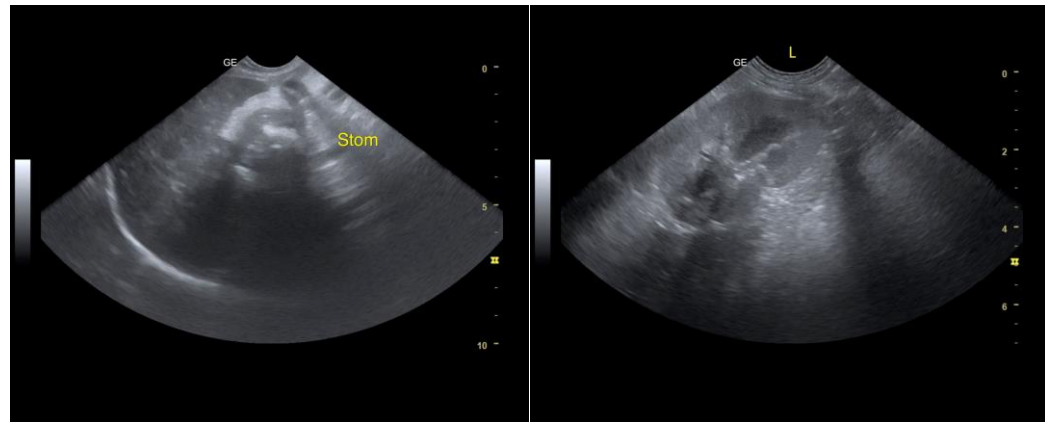
Shelly Parker DVM

**INVOICE**

14806

**DATE**

8/15/23



**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.

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**  
[info@sonopath.com](mailto:info@sonopath.com)