

<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Harley Green	presented for routine dental - BW revealed elevations. No signs of pancreatitis at home - no vomiting or diarrhea. P does get fatty human food treats from O's mother, and P eats a puppuccino almost daily.
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: AMYL 1280, ALT 168, ALP 1953, ALB 4.8, HCT 59%, cpli abnormal. WBCS and RBCS WNL. BCS 7/9, periodontal disease grade 1/4
Canine	
<b>BREED</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Chihuahua Mix	<b>Urinary System</b>
<b>SEX</b>	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with very minor non-dependent particulate sediment. The sediment may indicate cellular debris / protein, crystalline debris, lipid, or mucus. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.
FS	
<b>AGE</b>	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. 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. Bilateral pinpoint medullary mineral was present. The left kidney measured 4.5 cm in length. The right kidney measured 4.6 cm in length.
5yr	
<b>WEIGHT</b>	The area of the aortic trifurcation was free of pathology.
7.7kg	<b>Adrenal Glands</b>
<b>INTERPRETED BY</b>	The left and right adrenal glands were not definitively visualized. No obvious pathology was present in the area of the bilateral adrenal glands.
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.
Dr. Moore	<b>Liver/Gallbladder</b>
<b>HOSPITAL NAME</b>	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. The gallbladder was non-distended in size with primarily anechoic luminal content and mild dependent non-organized hyperechoic gallbladder debris. The cystic and common bile ducts were normal.
Lone Mountain Animal Hospital	<b>Gastrointestinal</b>
<b>REFERRING VET</b>	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.
Dr. Moore	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.
<b>INVOICE</b>	Normal visible colon wall layers were present with apparent formed feces in lumen.
13035ag	
<b>DATE</b>	
02/20/2023	



**PATIENT**

**Pancreas**

Harley Green

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

**SPECIES**

**Free Abdomen**

Canine

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

**BREED**

Chihuahua Mix

**ULTRASONOGRAPHIC FINDINGS**

- Hepatopathy-benign
- Mild gallbladder debris (non-mucocele)
- Mild heterogenous pancreas-not consistent with active pancreatitis
- Pinpoint renal medullary mineral
- Unremarkable GI tract

**SEX**

FS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

5yr

The potential for low-grade/chronic pancreatitis may be considered if there is evidence of cranial abdominal discomfort on palpation. No overt evidence of sonographic pancreatic pathology or inflammatory criteria is present.

**WEIGHT**

7.7kg

Assuming normal clotting status a hepatic FNA for screening cytology could be considered for further assessment. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial. A bland or low fat diet with monitoring of cPL going forward may be considered.

No anesthetic contraindications if evidence of normal hepatic function (normal BUN, GLU, ALB and CHOL).

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr. Moore

**HOSPITAL NAME**

Lone Mountain  
Animal Hospital

**REFERRING VET**

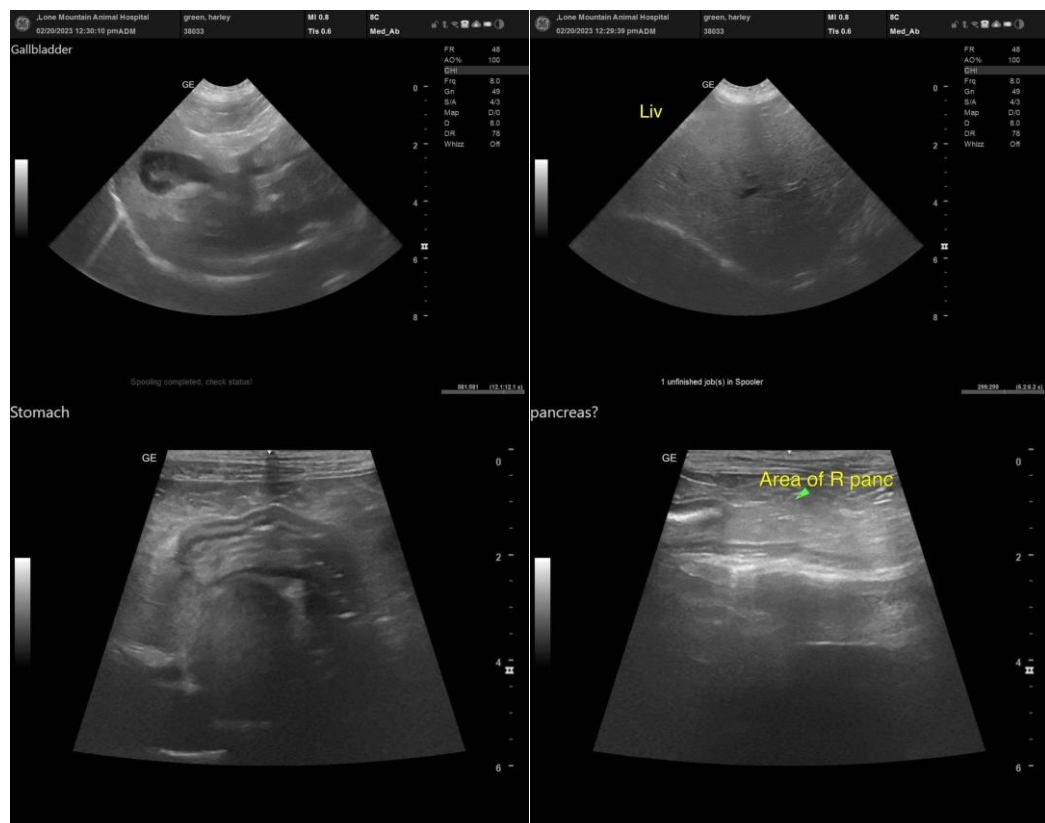
Dr. Moore

**INVOICE**

13035ag

**DATE**

02/20/2023





**PATIENT**

Harley Green

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

FS

**AGE**

5yr

**WEIGHT**

7.7kg

**INTERPRETED BY**

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**HOSPITAL NAME**

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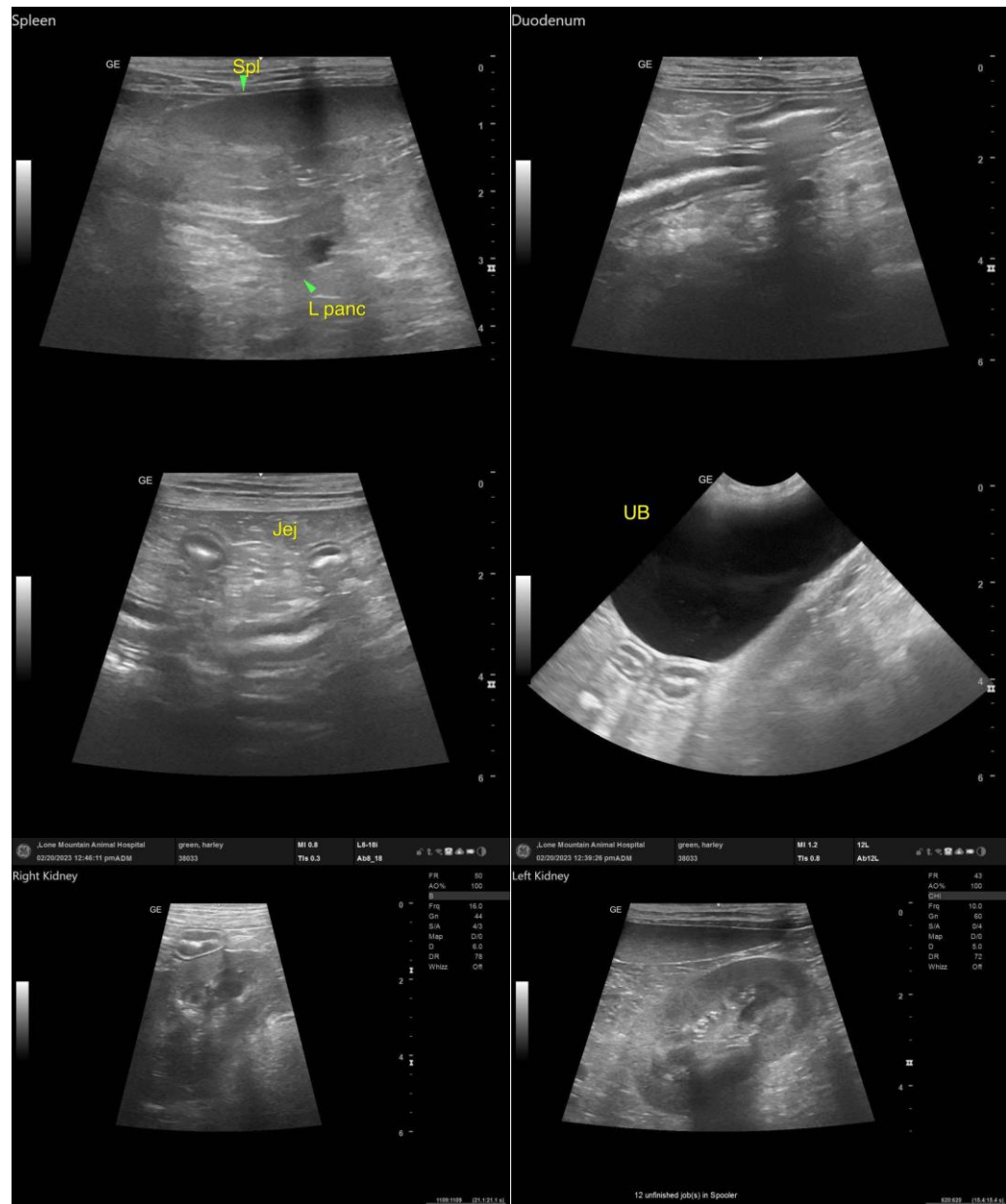
Dr. Moore

**INVOICE**

13035ag

**DATE**

02/20/2023



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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