



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Miloh Innamorato	rescan from 12/6 pet is on ursodial and denamarin per previous scans recommendations
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: Alt went from high to 562 ALP >2000 to 301 CREAT: 1.6 TO 2.1 BILL: 2.4 TO 0.1
Canine	
<b>BREED</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Pomeranian	<b>Urinary System</b>
<b>SEX</b>	The urinary bladder, trigone, cystourethral junction 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.
MN	The area of the aortic trifurcation was free of pathology.
<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. The left kidney measured 4.5 cm in length. The right kidney measured 4.9 cm in length.
12 years	
<b>WEIGHT</b>	
18 lbs.	
<b>INTERPRETED BY</b>	<b>Adrenal Glands</b>
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 0.47 cm width at the caudal pole and 0.39 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 0.46 cm width at the caudal pole.
<b>IMAGING PERFORMED BY</b>	<b>Spleen</b>
Chelsea Pastor	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.
<b>HOSPITAL NAME</b>	<b>Liver/ Gallbladder</b>
Fredon AH	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder exhibited normal size and subjective improved sonographic appearance of the gallbladder walls with reduced echogenicity and thickness. Reduced amount of subjectively mobile to nonorganized, nonmineralized luminal debris with concurrent anechoic content was present. No evidence of peripheral gallbladder Inflammation was noted. The cystic and common bile ducts were normal.
<b>REFERRING VET</b>	
Dr. Linda Grau	
<b>INVOICE</b>	
13113	
<b>DATE</b>	<b>Gastrointestinal</b>
1/19/22	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.



<b>PATIENT</b>	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.
Miloh Innamorato	
<b>SPECIES</b>	Normal visible colon wall layers were present with apparent formed feces in lumen.
Canine	<b>Pancreas</b>
<b>BREED</b>	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.
Pomeranian	<b>Free Abdomen</b>
<b>SEX</b>	No overt lymphadenopathy or peritoneal effusion was present.
MN	<b>ULTRASONOGRAPHIC FINDINGS</b>
<b>AGE</b>	<b>Primary Findings</b>
12 years	<ul style="list-style-type: none"> <li>Improved gallbladder presentation exhibiting reduced, nonorganized to mobile luminal debris</li> <li>Static chronic hepatopathy</li> <li>Mild chronic renal changes</li> </ul>
<b>WEIGHT</b>	
18 lbs.	<b>INTERPRETATION OF THE FINDINGS &amp; FURTHER RECOMMENDATIONS</b>
<b>INTERPRETED BY</b>	Given the clinical and hepatic enzyme elevation improvement with hepatosupportive medications, continued hepatosupportive medications and as-needed supportive care are recommended with periodic monitoring of hepatic enzyme levels. Recheck sonogram if hepatic enzyme levels increase or evidence of cranial abdominal or subxiphoid discomfort on palpation.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
<b>IMAGING PERFORMED BY</b>	
Chelsea Pastor	
<b>HOSPITAL NAME</b>	
Fredon AH	
<b>REFERRING VET</b>	
Dr. Linda Grau	
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<b>DATE</b>	
1/19/22	





**PATIENT**

Miloh Innamorato

**SPECIES**

Canine

**BREED**

Pomeranian

**SEX**

MN

**AGE**

12 years

**WEIGHT**

18 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Chelsea Pastor

**HOSPITAL NAME**

Fredon AH

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13113

**DATE**

1/19/22



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)**  
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