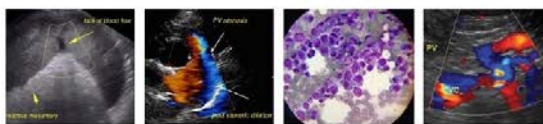




PATIENT	PRESENTING CLINICAL SIGNS
Molly Lee	Acute liver failure. Presents with bright yellow skin and mucus membranes. Has been on Amoxil 1000mg BID for ruptured cyst recently. Bloodwork and Urine pending.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.
Labrador Retriever	
SEX	The right kidney is normal in size (7.95 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
Spayed Female	
AGE	The left kidney is normal in size (6.34 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
10 Years	
WEIGHT	Adrenal Glands
99 Pounds	The right adrenal gland is normal in size (1.7 cm at the cranial pole and 1.0 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
INTERPRETED BY	The left adrenal gland is normal in size (0.59 cm at the cranial pole and 0.49 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
Beth Johnson, DVM DACVIM	
IMAGING PERFORMED BY	Spleen
Crystal Hill	The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.
HOSPITAL NAME	Liver
Smithville AH	Liver is normal to subjectively small in size with slightly undulating or scalloped capsular contour or margins. Patchy ill-defined areas of increased echogenicity are present with reduced visualization of vessels. No overt nodules or masses are observed. Visible vasculature and biliary tree appear normal without distension or congestion.
REFERRING VET	
Dr. Hulzebosch	
INVOICE	The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.
43722	Gastrointestinal
DATE	The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.
7/3/23	



PATIENT	The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.
Molly Lee	
SPECIES	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
Canine	
BREED	<i>Pancreas</i>
Labrador Retriever	The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.
SEX	<i>Free Abdomen</i>
Spayed Female	There is no evidence of free peritoneal effusion noted in these images.
AGE	There is no apparent lymphadenopathy noted in these images.
10 Years	
WEIGHT	ULTRASONOGRAPHIC FINDINGS
99 Pounds	<ul style="list-style-type: none"> • Hepatic Fibrosis Pattern – This appearance is most consistent with chronic hepatitis with fibrosis and/or early cirrhosis. These changes can occasionally be seen with resolved past inflammatory episodes and should therefore be interpreted in combination with clinical signs and/or associated laboratory changes (including bile acids).
INTERPRETED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Beth Johnson, DVM DACVIM	As is reportedly pending, a general metabolic health screen is recommended, beginning with a CBC/chem panel, electrolytes, and urinalysis.
IMAGING PERFORMED BY	Additionally, testing for Leptospirosis is recommended. Bile acids are recommended if total bilirubin is not significantly increased.
Crystal Hill	Ultimately, sampling of the liver could be considered, beginning potentially with a fine needle aspirate of the liver to assess inflammatory cell type, rule in/out round cell neoplasia, etc. if patient's coagulation status is appropriate. However, given the small irregular size of the liver, a liver biopsy including copper level assessment is recommended as the superior choice of liver sampling in this patient.
HOSPITAL NAME	
Smithville AH	
REFERRING VET	In the meantime, in addition to supportive/symptomatic medical management of clinical signs (i.e., fluid therapy, antiemetics, gastroprotectants, etc.), broad-spectrum antibiotics and hepatic nutraceuticals, if tolerated, are all recommended.
Dr. Hulzebosch	
INVOICE	
43722	
DATE	
7/3/23	



PATIENT

Molly Lee

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed Female

AGE

10 Years

WEIGHT

99 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Smithville AH

REFERRING VET

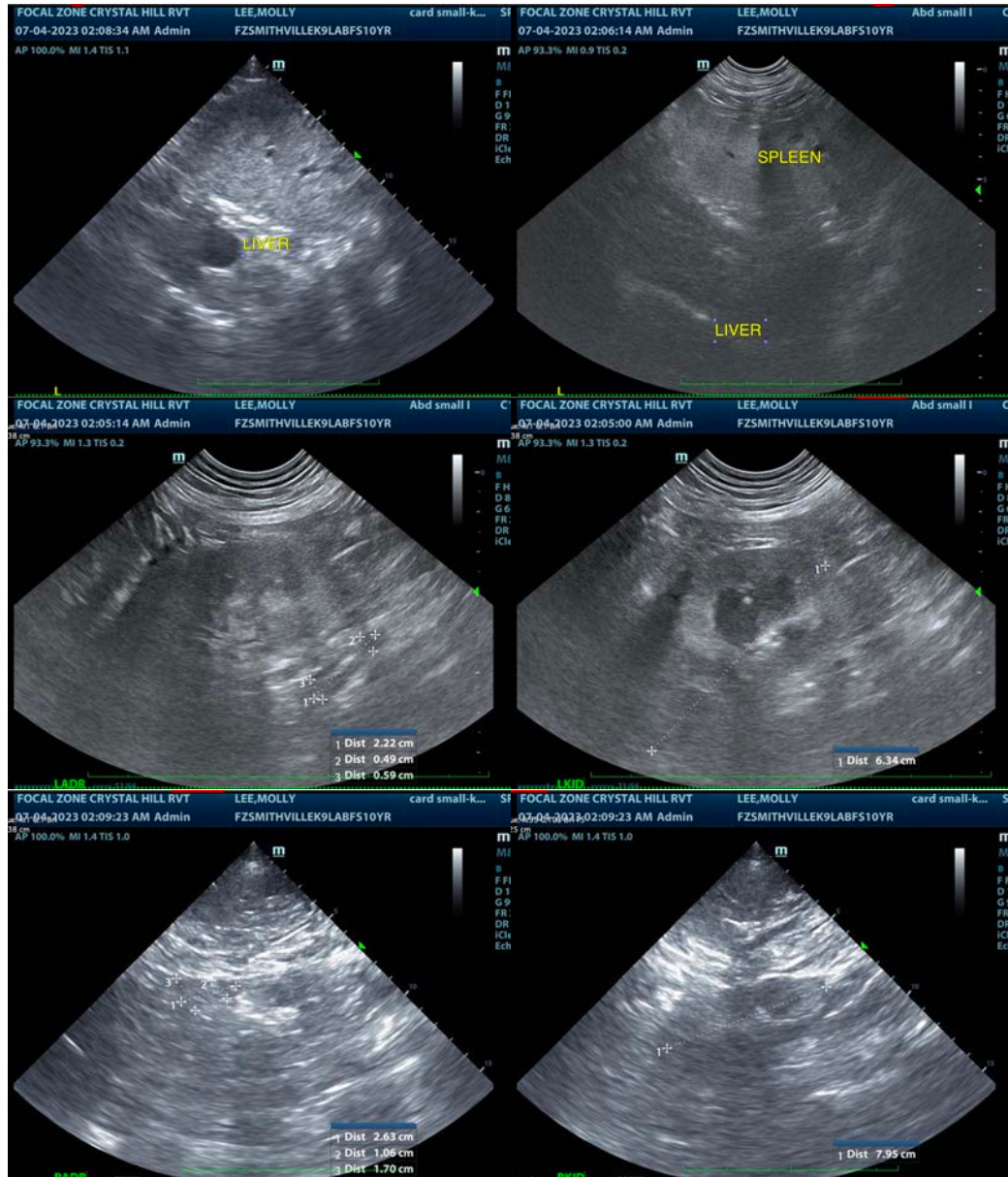
Dr. Hulzebosch

INVOICE

43722

DATE

7/3/23



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.

Beth Johnson, DVM, DACVIM
info@sonopath.com