



**PATIENT**

Jill Cline

**SPECIES**

Canine

**BREED**

Lhasa Apso

**SEX**

Spayed Female

**AGE**

9 Years

**WEIGHT**

14 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Conway

**INVOICE**

22086

**DATE**

4/17/23

**PRESENTING CLINICAL SIGNS**

History: P presented originally for lethargy and decreased appetite. BW revealed elevated ALT/ALP; P treated with metronidazole, IV fluids/supportive care and hepatoSupport. P clinically returned to normal but liver values have continued to increase. No other concerns or abnormalities, PE unremarkable. Most recent BW: ALT 422; ALP 248; GGT 70; TBILI 1.9

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.9 cm. The right kidney measured 4.0 cm.

**Adrenal Glands**

The **right adrenal gland** was visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 6.0 mm.

The region of the **left adrenal gland** was unremarkable.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**Liver**

The **liver** was subnormal in size. Mild increased portal markings were noted. Otherwise, parenchyma was unremarkable. The changes were minor. The gallbladder and common bile duct were unremarkable. No evidence of posthepatic obstruction.

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**



**PATIENT**

Jill Cline

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

- Nonspecific cholangitis and mild microhepatica

**BREED**

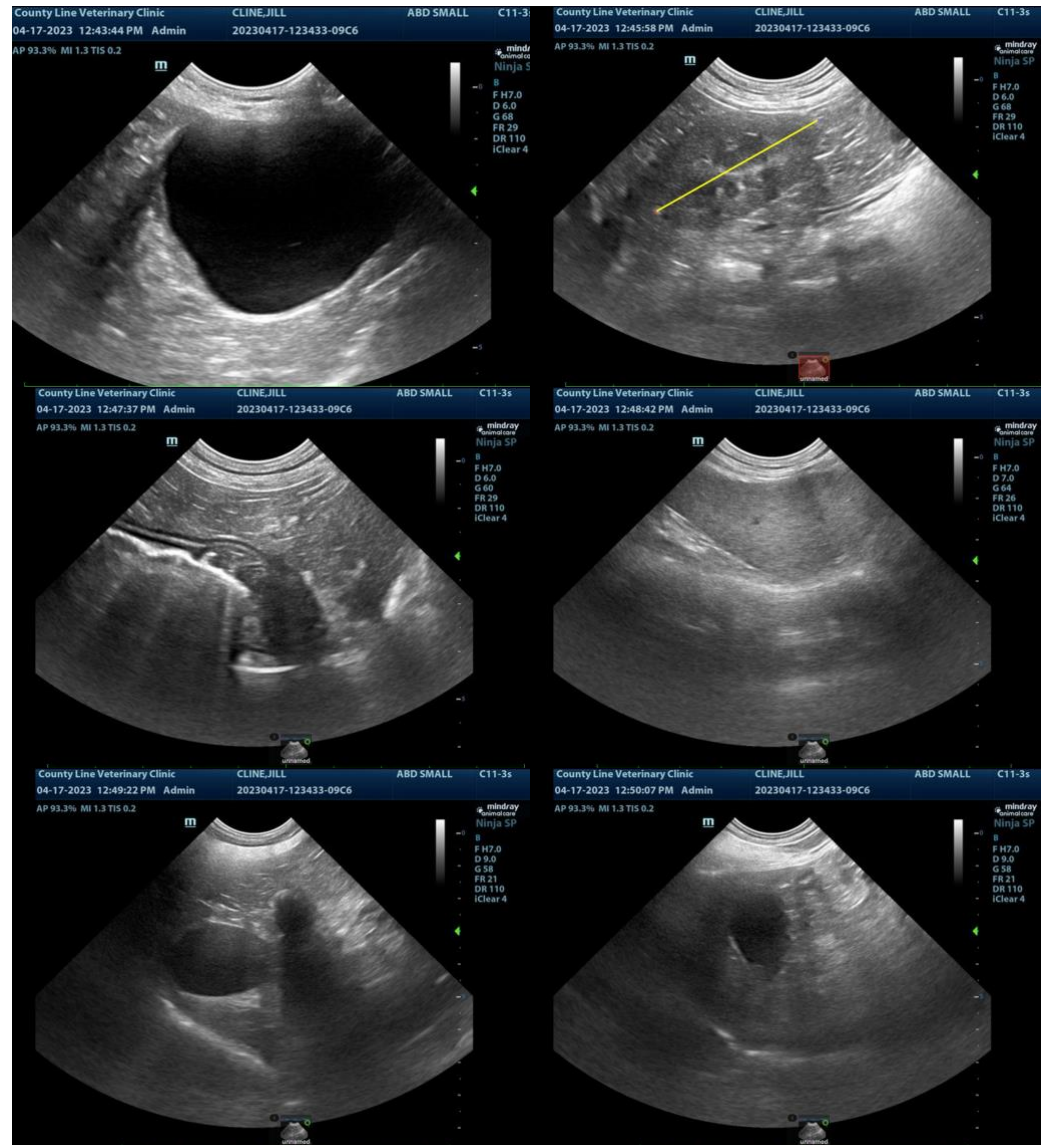
Lhasa Apso

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Core liver biopsy would be ideal in this patient. Leptospirosis titers is warranted. Investigation for exposure to other acute to subacute insult is warranted. No evidence or suspicion of neoplasia.

**SEX**

Spayed Female



**AGE**

9 Years

**WEIGHT**

14 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Conway

**INVOICE**

22086

**DATE**

4/17/23



**PATIENT**

Jill Cline

**SPECIES**

Canine

**BREED**

Lhasa Apso

**SEX**

Spayed Female

**AGE**

9 Years

**WEIGHT**

14 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Dorris

**HOSPITAL NAME**

County Line VC

**REFERRING VET**

Dr. Conway

**INVOICE**

22086

**DATE**

4/17/23



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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com