



**PATIENT**

Chloe Coyle

**PRESENTING CLINICAL SIGNS**

History: Elevated ALT, polyuria. No current meds.  
Abnormal PE/Chem/CBC/UA Results: ALT >1000, USG 1.041 rest of U/A WNL

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Dachshund

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 was noted. Ureteral papillae were normal.

**SEX**

Spayed Female

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 4.43 cm. The right kidney measured 4.38 cm.

**AGE**

8 years

**WEIGHT**

14 lbs

**Adrenal Glands**

Both **adrenal glands** were 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 left adrenal gland measured 2.17 x 0.41 cm at the cranial pole and 0.49 cm at the caudal pole. The right adrenal measured 1.49 x 0.4 cm at the cranial pole and 0.44 cm at the caudal pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**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 was noted. The spleen measured 1.7 cm.

**HOSPITAL NAME**

Tranquility VC

**REFERRING VET**

Dr. Christensen

**Liver**

The **liver** was mildly subnormal in size and was structurally unremarkable with uniform parenchyma. The portal vein to vena cava ratio was 1:1 with no evidence of portosystemic shunting. The gallbladder and common bile duct were normal. There was no evidence of masses.

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**Gastrointestinal**

**DATE**

3/8/22

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Canine

**Pancreas**

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.

**BREED**

Dachshund

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Spayed Female

Acute hepatic insult.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

8 years

Leptospirosis titers should be considered. There was no evidence of significant structural disease other than mild microhepatica. Bile acid profile would be indicated. Otherwise, normal abdomen. FNA of the liver could be considered for further investigation of inflammatory cell type.

**WEIGHT**

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**HOSPITAL NAME**

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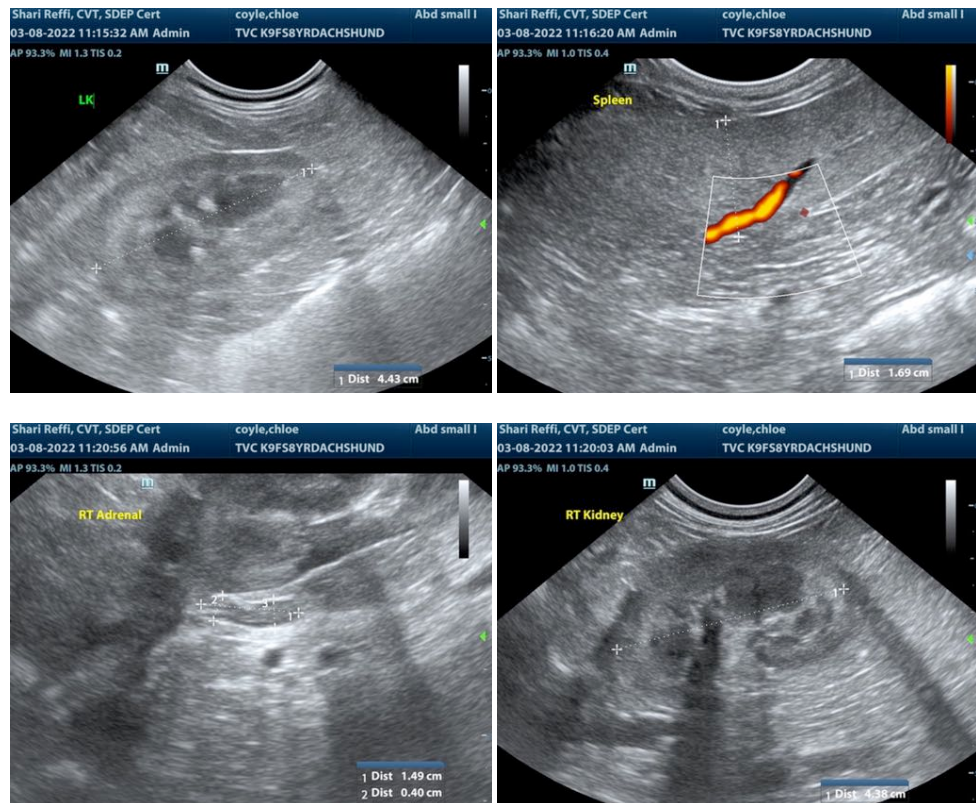
Dr. Christensen

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**SPECIES**

Canine

**BREED**

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**SEX**

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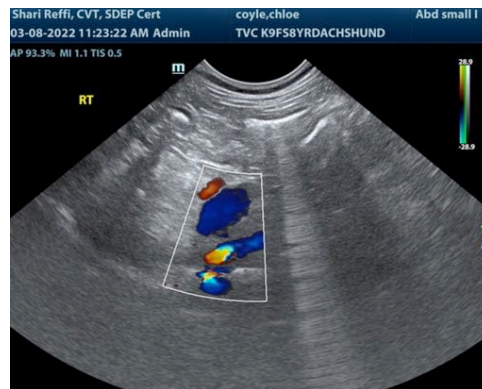
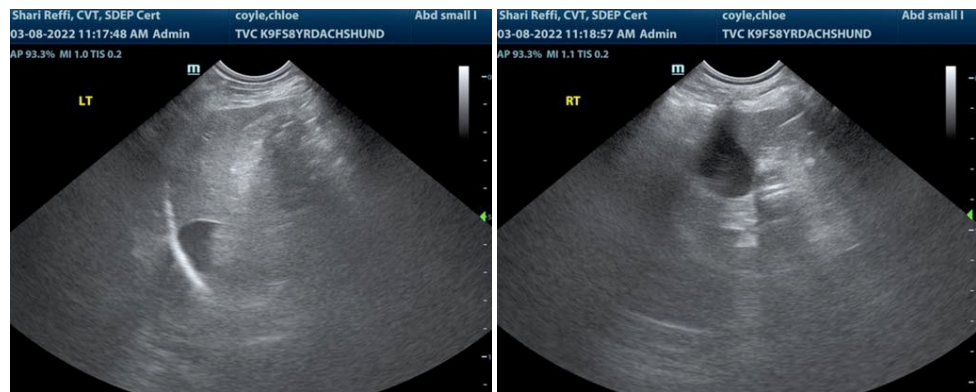
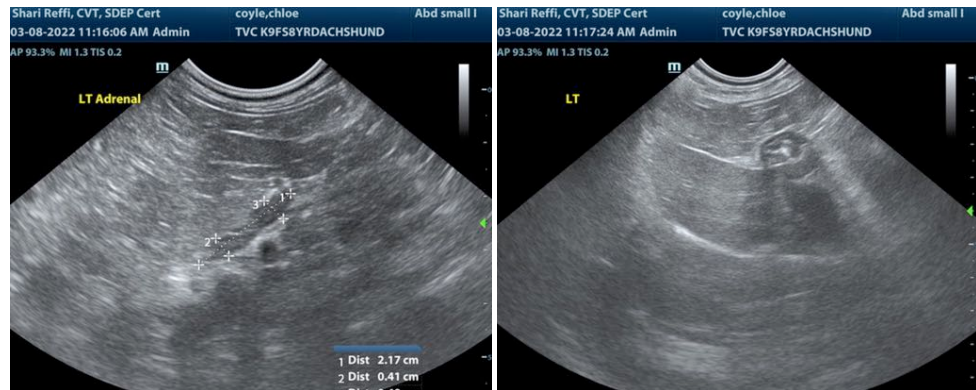
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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