



PATIENT PRESENTING CLINICAL SIGNS

Chloe Hall Neurologic RO liver shunt ALT elevated

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Minor amount of debris present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

BREED

Chihuahua

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.

SEX

Female

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 2.5 cm. The right kidney measured 2.5 cm.

AGE

2 Years

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 1.47 cm x 0.40 cm. The right adrenal gland measured 0.40 cm.

WEIGHT

3.8 Pounds

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.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

Liver

IMAGING PERFORMED BY

Dr. Travis Cerf

The **liver** was slightly subnormal in size with uniform parenchyma. The right liver appeared to be poorly developed, yet no overt extrahepatic or intrahepatic shunting. Intravascular volume appeared normal. The gallbladder and common bile duct were unremarkable. Portal vein prior to its branching measured 4.0 mm. Vena cava measured 4.0 mm.

HOSPITAL NAME

Veterinary Center of Hardyston

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.

REFERRING VET

Dr. Travis Cerf

Pancreas

INVOICE

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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.

ULTRASONOGRAPHIC FINDINGS

DATE

6/18/22



PATIENT

- Subnormal liver size with poorly developed right liver

Chloe Hall

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT evaluation would be ideal for further definition. Bile acid profile indicated. The hepatic parenchyma is uniform, yet poorly developed in the right liver.

SPECIES

Canine

SonoPath CT Services are offered at the [Blainstow Animal Hospital](https://www.blainstowanimalhospital.com/). Blainstow animal hospital is just a 30-minute drive west on route 80 from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at:

BREED

Chihuahua

<https://sonopath.com/resources/sonopaths-telectology-services-and-sdep-certification/sonopath-ct-services>

SEX

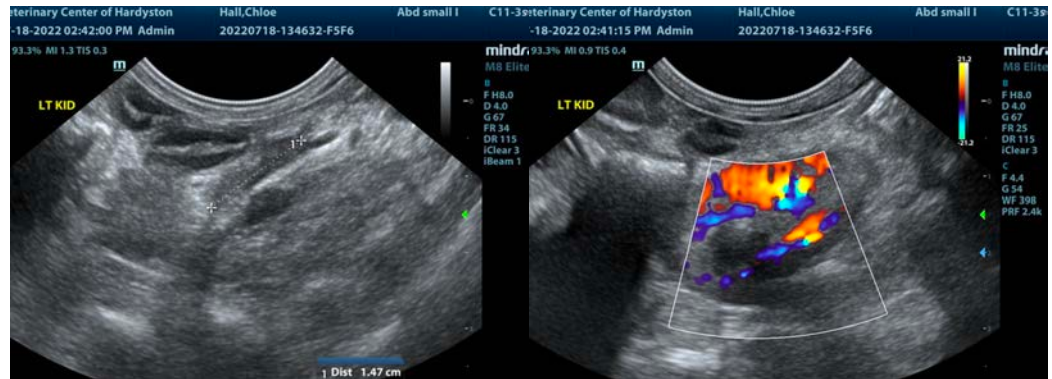
Female

AGE

2 Years

WEIGHT

3.8 Pounds



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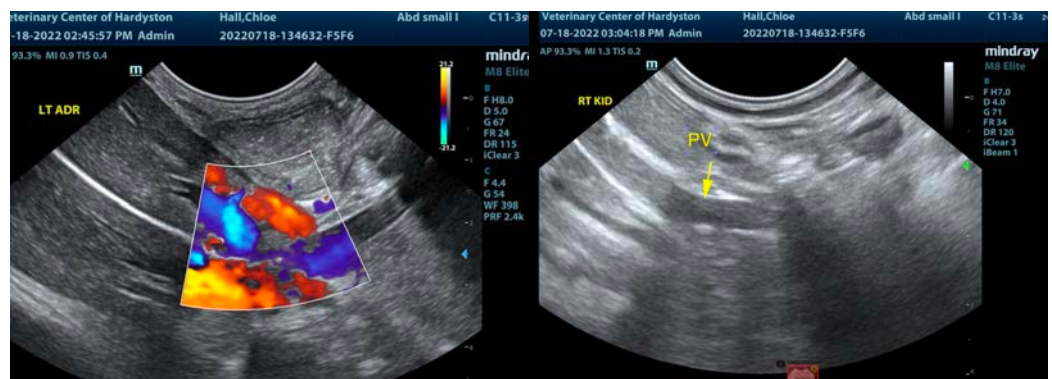
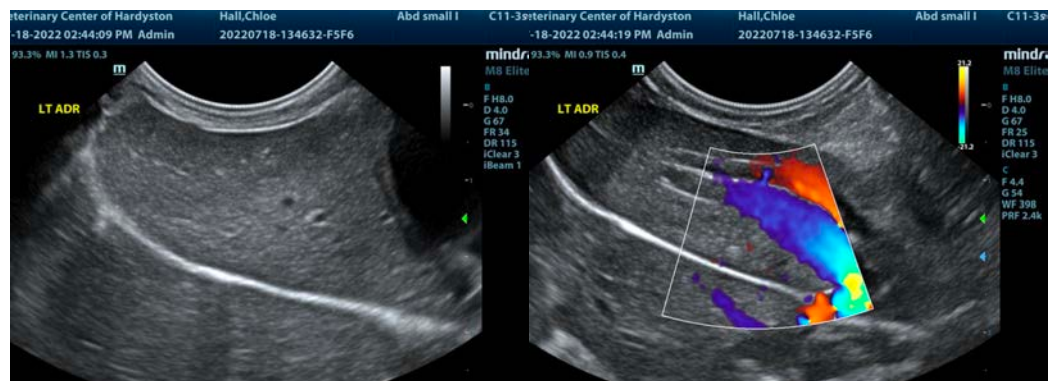
Dr. Travis Cerf

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SPECIES

Canine

BREED

Chihuahua

SEX

Female

AGE

2 Years

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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.

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