

PATIENT PRESENTING CLINICAL SIGNS

Cally Haskell Increasing ALT 300 and decreasing BUN- otherwise BAR and doing well

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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

BREED

Chihuahua

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 right kidney measured 4.29 cm.

AGE

3 years

Adrenal Glands

WEIGHT

14 Pounds

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 0.49 cm. The right adrenal gland measured 0.4 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

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.

HOSPITAL NAME

Sierra Pet Clinic

Liver

REFERRING VET

Dr. Sperka

The **liver** was subnormal in size with uniform parenchyma. The portal hilus was imaged. Color flow interference by regional GI artifact was noted. Some color bleeding was evident. The vena cava and aorta appeared to be subjectively similar in size. A 0.7 cm wide vessel in the portal hilus was evident. This could not be differentiated from extrahepatic shunts such as splenocaval or splenoazygos shunt versus large portal vein at an oblique angle. The gallbladder and common bile duct were unremarkable.

INVOICE

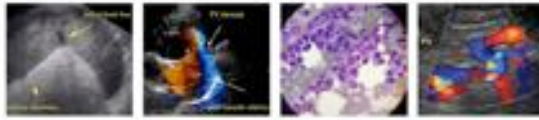
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Gastrointestinal

DATE

12/7/21

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



PATIENT
 Cally Haskell

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

SPECIES

Pancreas

Canine

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

Chihuahua

ULTRASONOGRAPHIC FINDINGS

SEX

Microhepatica with non-specific inflammatory hepatopathy given the ALT elevations. Portal hypoplasia/microvascular dysplasia may also be an issue.

Spayed Female

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

3 years

Further imaging would be necessary if bile acid profile is significantly elevated. Typically extrahepatic portosystemic shunt bile acid profiles are > 80 on post prandial assessment. If the bile acids are elevated in this range or higher then full sedation and further imaging of the portal hilus is recommended from a right intercostal approach at complete n.p.o. status and sedation. Otherwise, CT evaluation with contrast would be appropriate.

WEIGHT

14 Pounds

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REFERRING VET

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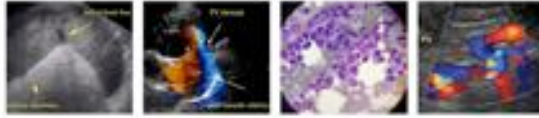
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PATIENT

Cally Haskell

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

3 years

WEIGHT

14 Pounds

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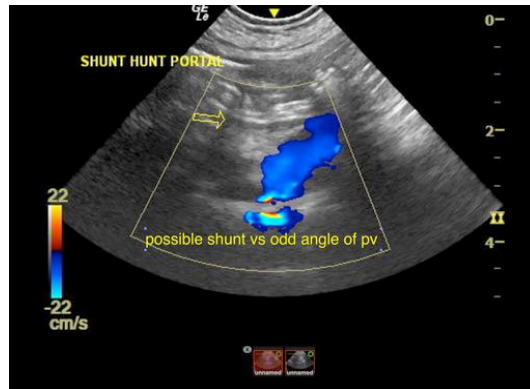
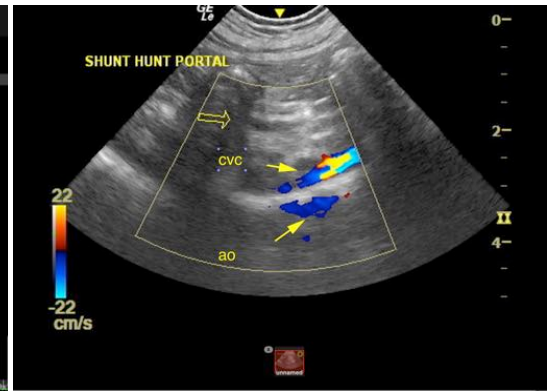
Dr. Sperka

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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