



**PATIENT**

Tibbs Cox

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

5 years

**WEIGHT**

12.9 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Rebecca Hamilton

**HOSPITAL NAME**

Black River VH

**REFERRING VET**

Dr. Vex

**INVOICE**

68578

**DATE**

11/11/25

**PRESENTING CLINICAL SIGNS**

History: Recheck liver shunt- chronic amoxicillin 25 mg BID, Lactulose 1 ml BID, PE asymptomatic for years. Meds: Amoxicillin SID, Lactulose 1 BID, today Gaba 100 mg pre U/S  
Abnormal PE/Chem/CBC/UA Results: Elevated Liver enzymes for first time- ALT 231, AST 99, ALP 77, Kitten- Chem WNL, elevated Bile acids

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction and appeared normal. 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.

The **kidneys** were mildly enlarged with normal structure, corticomedullary definition and ratio for this age. The cortices were slightly thickened. 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 4.6 cm. The left kidney measured 4.6 cm.

**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 0.48 cm. The right adrenal gland measured 0.33 cm.

**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.

**Liver**

Subjectively the **liver** appears fairly normal to slightly subnormal in size. A large amount falciform fat was noted. The portal vein was subnormal in size compared to the vena cava and measured 0.23 cm. Extrahepatic portosystemic shunt was noted and measured 0.4 cm in width. This would explain the subnormal portal vein. The direction of the shunt would suggest a splenoazygos shunt. However, it would be necessary to confirm on CT evaluation. The gallbladder and common bile were unremarkable.



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**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**

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**

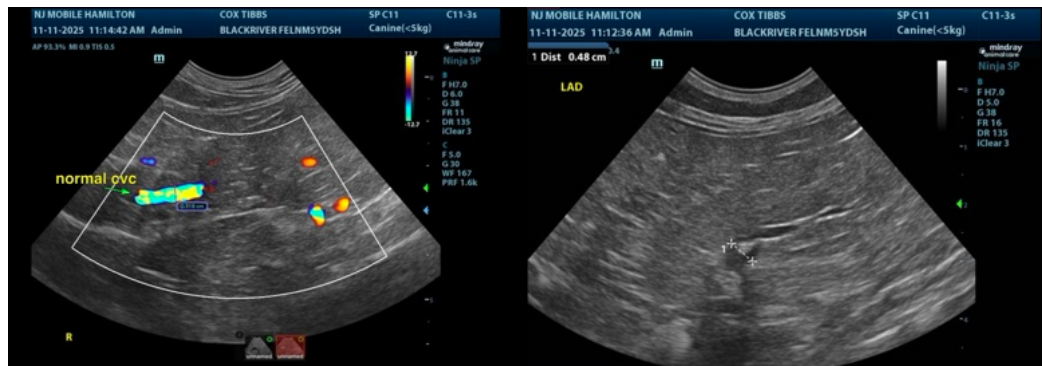
Extrahepatic portosystemic shunt, suspect splenoazygos shunt based on the position. Otherwise, unremarkable abdomen with minor microhepatica.

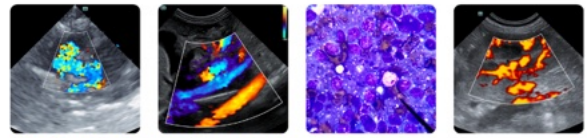
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Medical management can be continued or CT evaluation for surgical planning.

**ABOUT SONOPATH CT SERVICES:**

**SonoPath CT Services** are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/vetimaging/>





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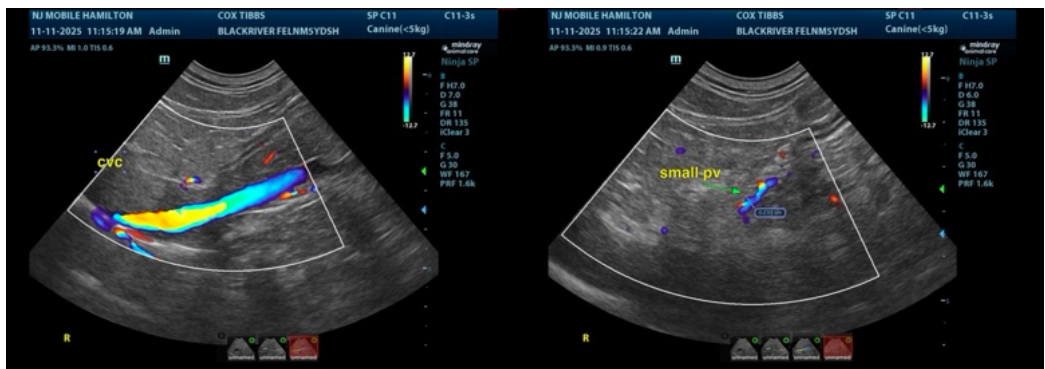
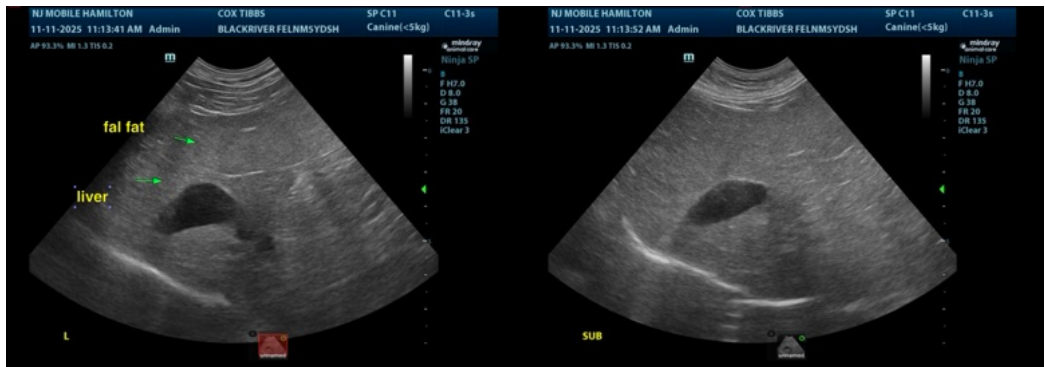
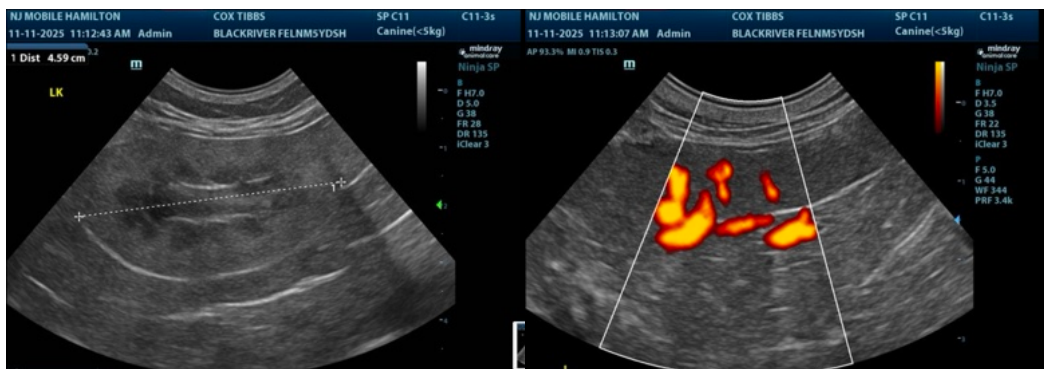
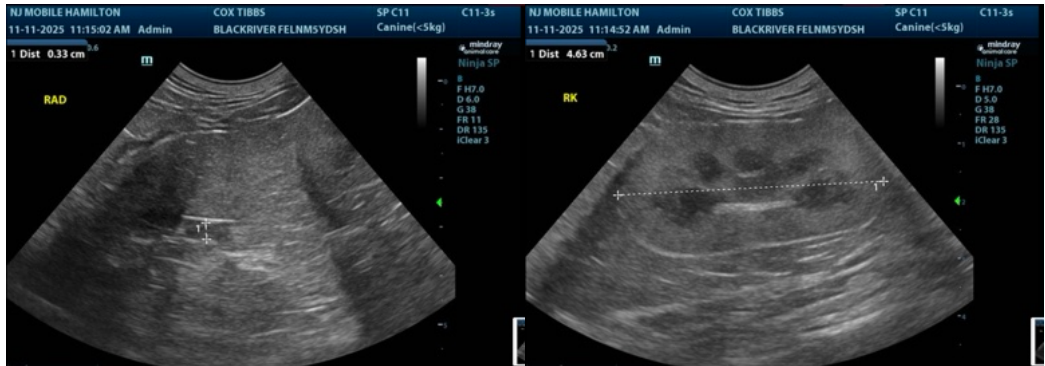
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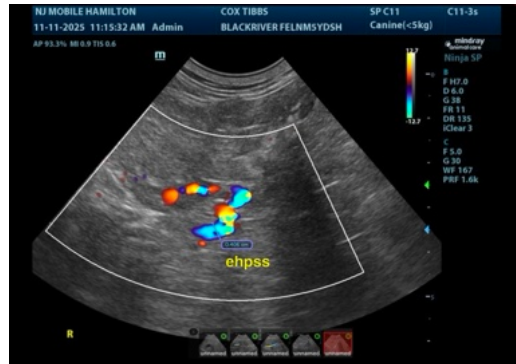
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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](mailto:info@SonoPath.com)