



**PATIENT PRESENTING CLINICAL SIGNS**

Lucifer Vogler  
Acute seizures, elevated T. bill  
Abnormal PE/Chem/CBC/UA Results: T. bill 1.6

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

The **urinary bladder** presented a minimal amount of urine. The bladder wall was unremarkable.

Chihuahua X

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 3.6 cm. The right kidney measured 3.62 cm.

**SEX**

Neutered Male

**Adrenal Glands**

**AGE**

9 Months

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 right adrenal gland measured 1.38 cm x 0.28 cm at the caudal pole and 0.76 cm at the cranial pole. The left adrenal gland measured 1.43 cm x 0.37 cm at the caudal pole and 0.37 cm at the cranial pole.

**WEIGHT**

Not Provided

**Spleen**

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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.

**IMAGING PERFORMED BY**

Jessica Miller

**Liver**

**HOSPITAL NAME**

Summit Dog & Cat  
Hospital

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**REFERRING VET**

Dr. Vogler

Portal vein/vena cava ratio was 1:1. No evidence of intrahepatic or extrahepatic shunting. The portal vein and vena cava both measured 4.0 mm.

**Gastrointestinal**

**INVOICE**

33980

Minor excessive **GI** gas noted. However, the gastrointestinal tract was structurally unremarkable.

**Pancreas**

**DATE**

1/5/22

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.



**PATIENT**

Lucifer Vogler

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen with possible low-grade gastrointestinal irritability

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Recommend reassessment of the bilirubin value to ensure it is not artifactual/lab error. Given the seizure activity, CT with contrast would be recommended, or better yet MRI.

**BREED**

Chihuahua X

**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:

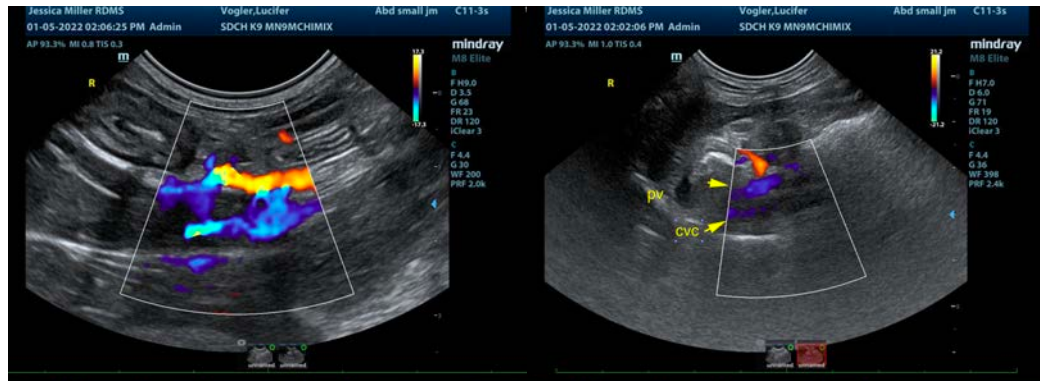
<https://sonopath.com/resources/sonopaths-teleconsultation-services-and-sdep-certification/sonopath-ct-services>

**SEX**

Neutered Male

**AGE**

9 Months



**WEIGHT**

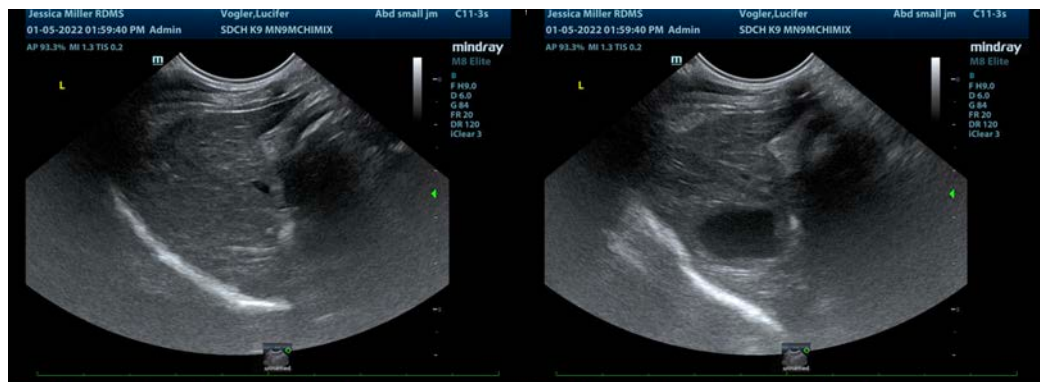
Not Provided

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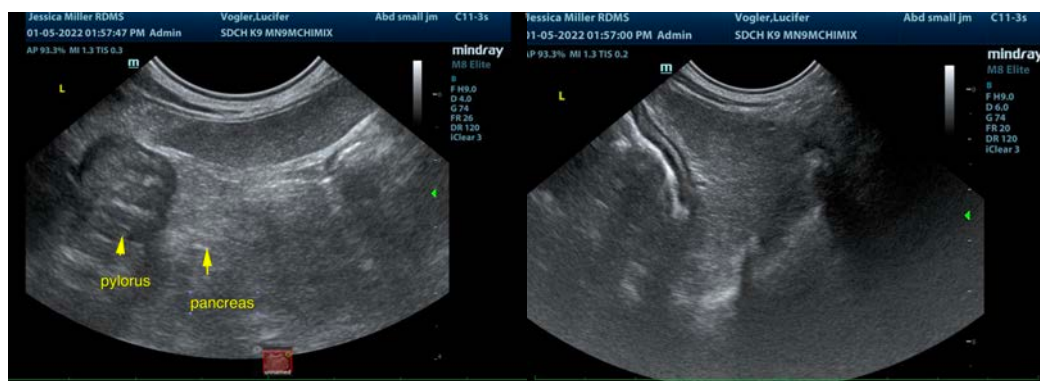


**HOSPITAL NAME**

Summit Dog & Cat  
Hospital

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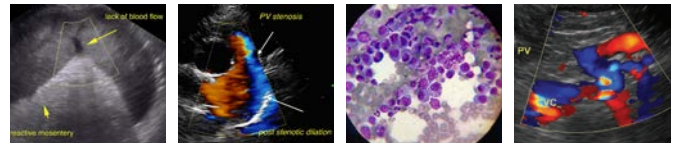


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**SPECIES**

Canine

**BREED**

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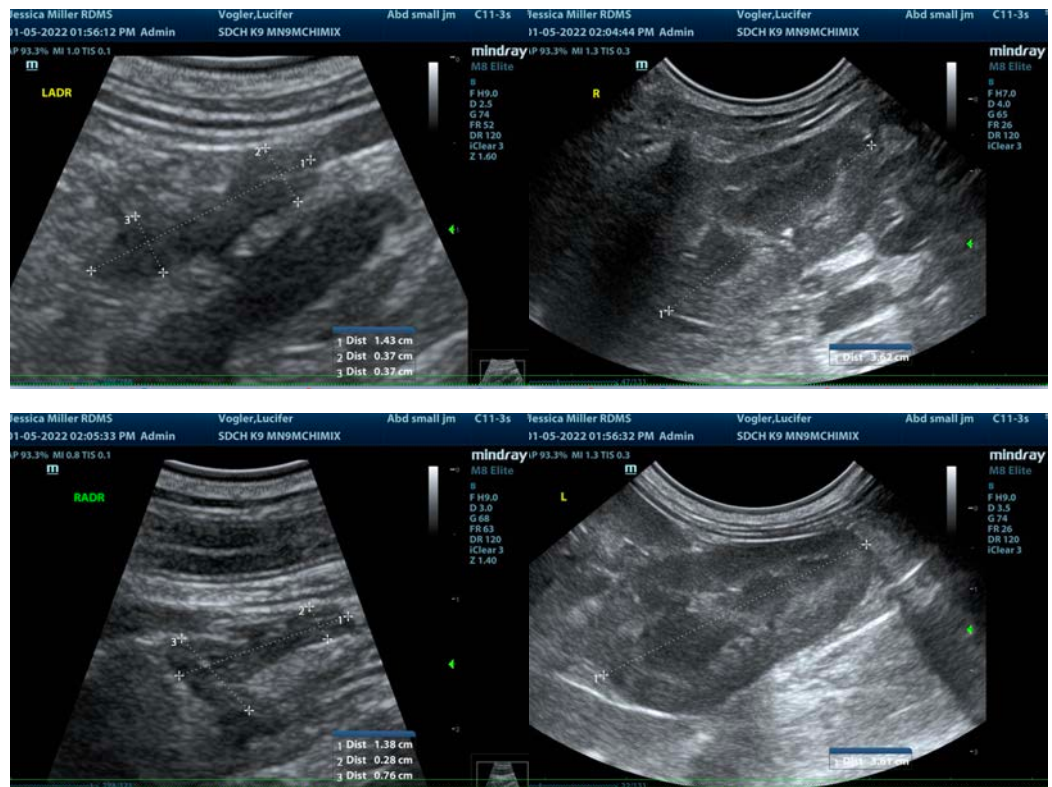
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**DATE**

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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.

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