



**PATIENT PRESENTING CLINICAL SIGNS**

Oliver Banas 4/8/22 vomited a few times and diarrhea, brought in 4/9/22 for exam, hunched appearance and quiet. Pet has since completed a course of clavamox. He has improved, but owner wants to screen for any further issues. rDVM noted the kidneys both looked small on radiographs.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Chihuahua

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 were noted. Ureteral papillae were normal. The residual prostate was uniform, measuring 0.8 cm. The iliac trifurcation was unremarkable.

**SEX**

Neutered male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight mineralization was noted in the kidneys. The right kidney measured 2.74 cm. The left kidney measured 2.72 cm.

**AGE**

15 years

**WEIGHT**

6 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 right adrenal gland measured 0.51 cm at the caudal pole and 0.8 cm at the cranial pole. The left adrenal gland measured 0.34 cm at the caudal pole and 0.47 cm at the cranial pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**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.

**IMAGING PERFORMED BY**

Destiney Dinsman,  
LVT

**HOSPITAL NAME**

Animage Mobile  
Veterinary Ultrasound

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable. Occasional hyperechoic nodules, the largest of which measured 1.2 cm x 0.75 cm in the left cranial liver.

**REFERRING VET**

Dr. Bossung

**INVOICE**

14862

**DATE**

4/22/22



**PATIENT** *Gastrointestinal*

Oliver Banas Minor retention of ingesta was noted in the **stomach**. The small intestine and colon were unremarkable.

**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**

Neutered male

- Minor age-related renal changes with mineralization
- Benign liver nodules and age-related changes
- Unremarkable abdomen otherwise

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

15 years

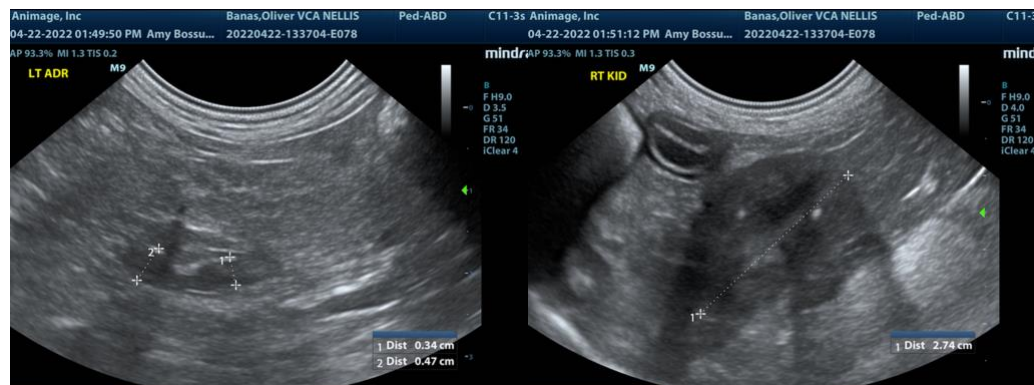
No evidence of significant disease. Referred spinal pain may be an issue in this patient, as there was no evidence of visceral disease that would be responsible for discomfort.

**WEIGHT**

6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS



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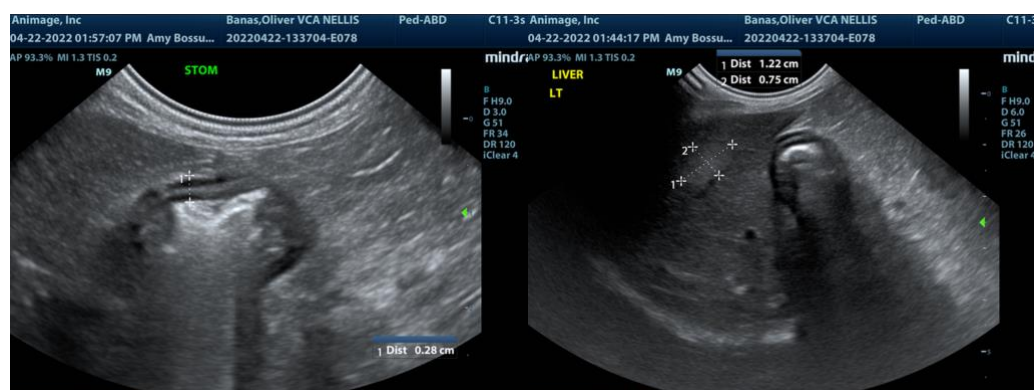
Destiney Dinsman,  
LVT

**HOSPITAL NAME**

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Veterinary Ultrasound

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**PATIENT**

Oliver Banas

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Neutered male

**AGE**

15 years

**WEIGHT**

6 lbs

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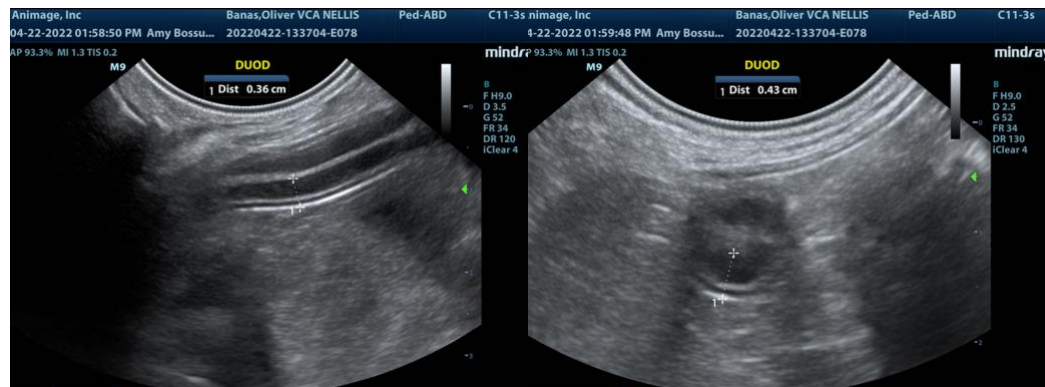
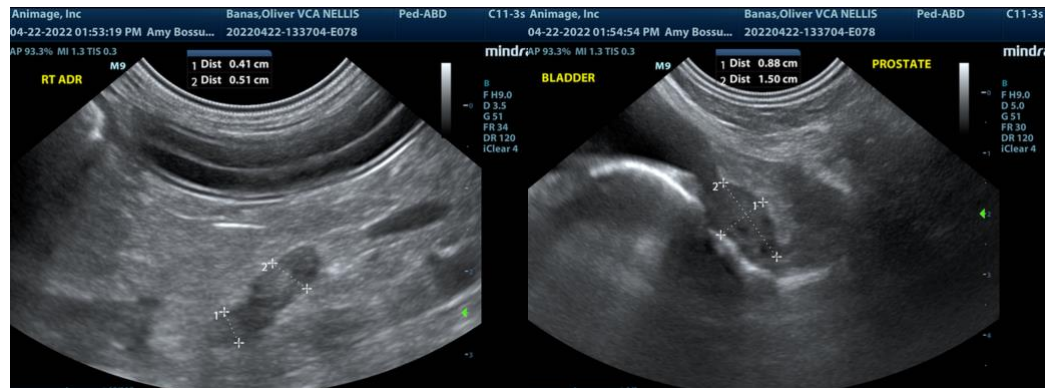
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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