



## PATIENT

Forest Roth

## SPECIES

Canine

## BREED

Shih Tzu

## SEX

Neutered male

## AGE

8 years

## WEIGHT

16 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Brandon Adkins

## HOSPITAL NAME

Royer VS

## REFERRING VET

Dr. Adkins

## INVOICE

75166

## DATE

5/4/26

## PRESENTING CLINICAL SIGNS

History: Presents for orange-red colored stool, lethargy, and decreased appetite

Patient History: Companion dog was euthanized 1 week ago, Symptoms began approximately 1 week ago coinciding with loss of companion, Decreased appetite: eating only small amounts of usual food (boiled chicken mixed with dog food), refused bologna treats, Orange-red colored stool/diarrhea for 1 week, Lethargy and decreased activity, Tremors (non-stop shaking, though not present during exam), Episodes of hyperthermia (severely hot last night), History of bite wound previously treated with antibiotics, Multiple fatty growths/cysts noted throughout body, No vomiting reported, No recent food changes or new treats, No known toxin exposure

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### 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.

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 and right kidney measured 4.4 cm.

The residual prostate was uniform and measured 0.5 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 0.5 cm. The right adrenal gland measured 0.5 cm at the cranial pole and 0.4 cm at the caudal pole.

### 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.



## PATIENT

### Liver

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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.

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### Gastrointestinal

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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Mild, residual ingesta was noted in the stomach. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. The colon was mildly thickened.

## AGE

8 years

### Pancreas

## WEIGHT

16 lbs

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.

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## ULTRASONOGRAPHIC FINDINGS

Mild colonic thickening, enterocolitis pattern was noted.

## IMAGING PERFORMED BY

Brandon Adkins

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## HOSPITAL NAME

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There was no evidence of significant disease. Fecal test, diet change and 24 hour n.p.o. is recommended as well as management for enterotoxins.

## REFERRING VET

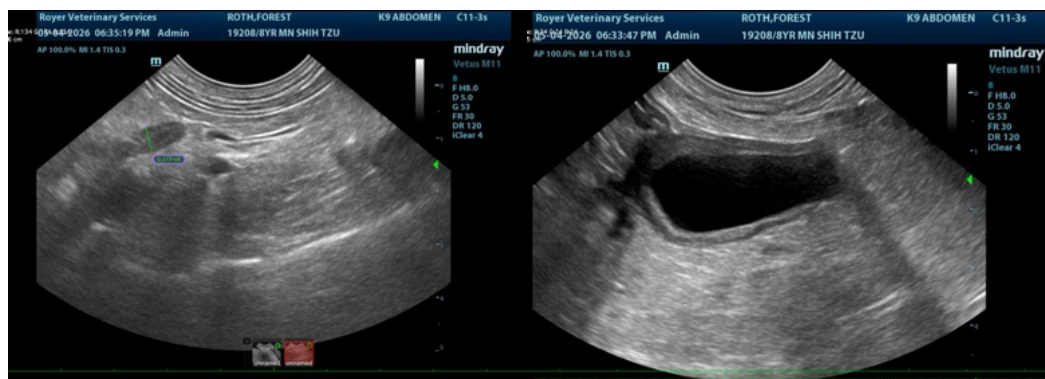
Dr. Adkins

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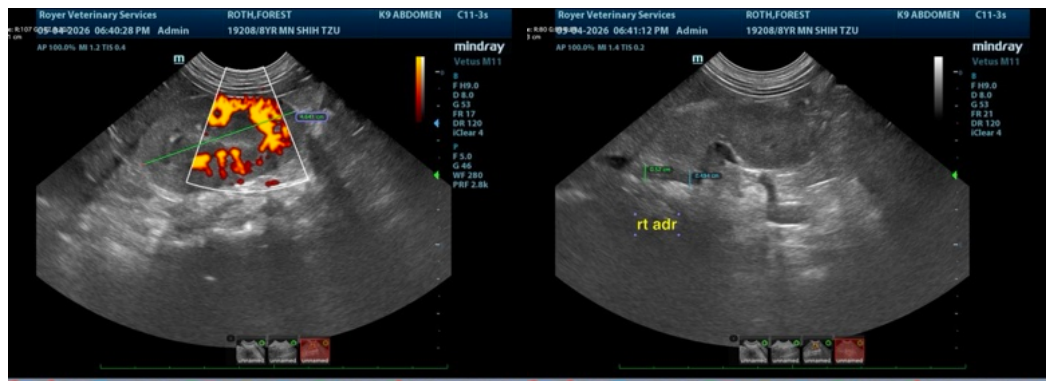
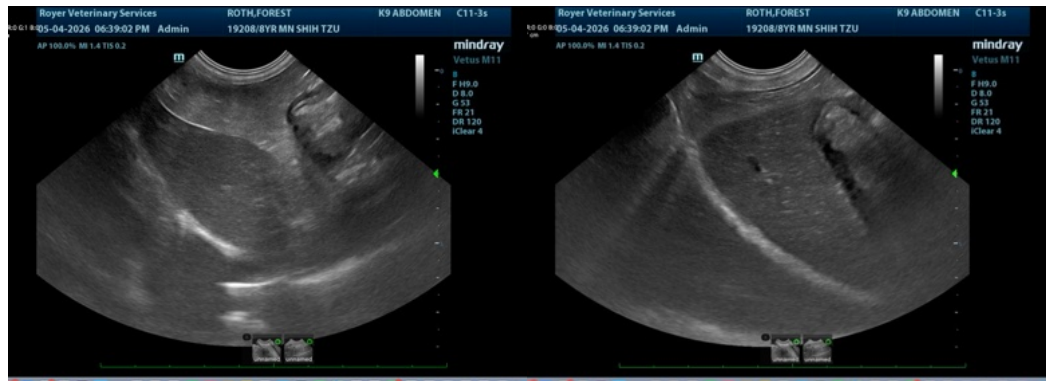
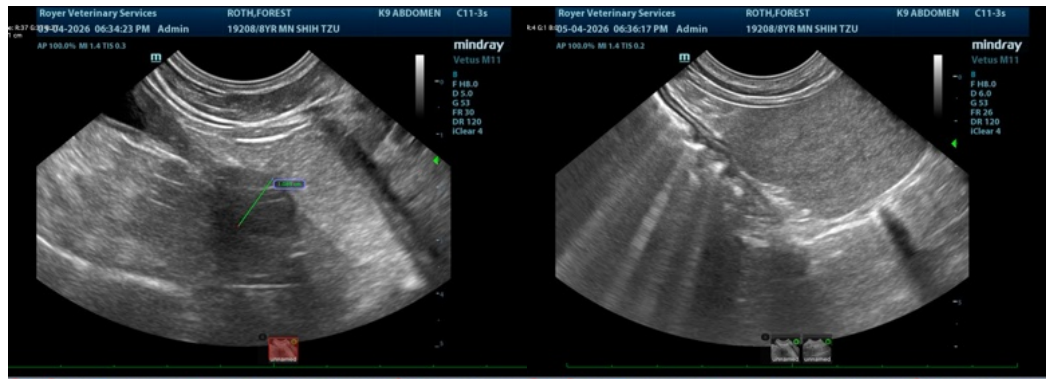
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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.

## BREED

Shih Tzu

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)

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