



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Levi Xherro  
**SPECIES** Canine  
**BREED** Shih Tzu

History: Presented Wed afternoon as he had been vomiting since overnight. One BM that started out solid but then got soft but no other BM and not really diarrhea. Not eating. Very lethargic. PE: lethargic, temp 37.4, pink MM, pytalism, chest normal, abdomen seems sore but no palpable FB. Rads - abnormal gas patterns, no obvious FB but suspicious. Sent to local emerg overnight for supportive care - no change overnight. This morning seems brighter, offered a very small amount of canned food and he inhaled it. Repeat rads look similar to yesterday. Abdomen seems more comfortable. Pantoprazole.

Abnormal PE/Chem/CBC/UA Results: Parvo negative. Attempted to get blood but unable so will wait for u/s before trying again. Please see attached radiographs.

**SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Intact Male

**AGE**

4 Months

**WEIGHT**

2 kg

**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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 4.01 cm. The left kidney measured 3.97 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**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 0.92 cm x 0.31 cm at the cranial pole and 0.24 cm at the caudal pole. The right adrenal gland measured 1.26 cm x 0.23 cm at the cranial pole and 0.22 cm at the caudal pole.

**IMAGING PERFORMED BY**

Crystal Hill

**Spleen**

**HOSPITAL NAME**

Orchard AH

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.

**REFERRING VET**

Dr. D'Amico

**Liver**

**INVOICE**

12762

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.

**DATE**

8/26/21

**Gastrointestinal**



**PATIENT**

Minor excessive GI gas was noted with hyperperistalsis. Soft stool was noted in the colon and cecum.

Levi Xherro

**Pancreas**

**SPECIES**

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.

Canine

**BREED**

- Structurally normal abdomen
- Minor excessive GI gas, hyperperistalsis and soft stool in the colon

Shih Tzu

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Intact Male

No evidence of underlying pathology other than mild gastroenteritis pattern. Supportive care should prove effective.

**AGE**

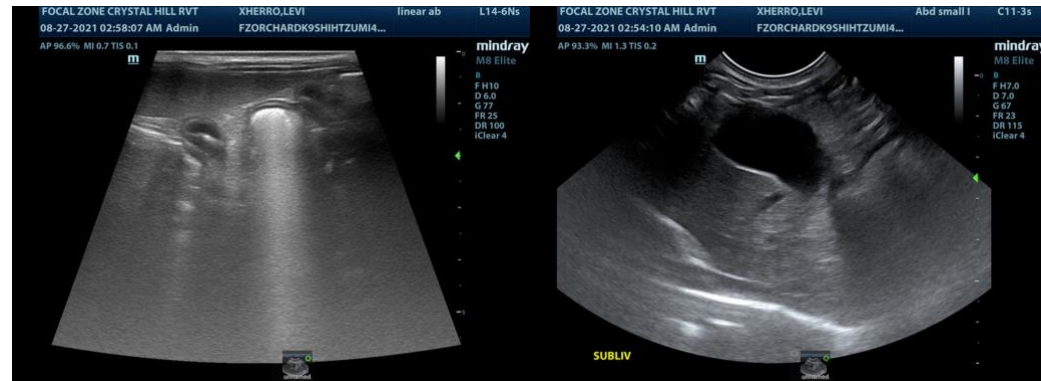
4 Months

**WEIGHT**

2 kg

**INTERPRETED BY**

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Crystal Hill

**HOSPITAL NAME**

Orchard AH

**REFERRING VET**

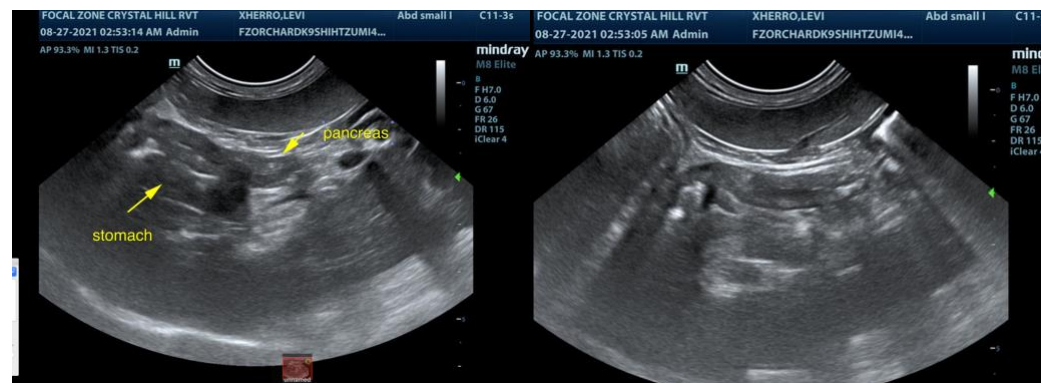
Dr. D'Amico

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**DATE**

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**PATIENT**

Levi Xherro

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

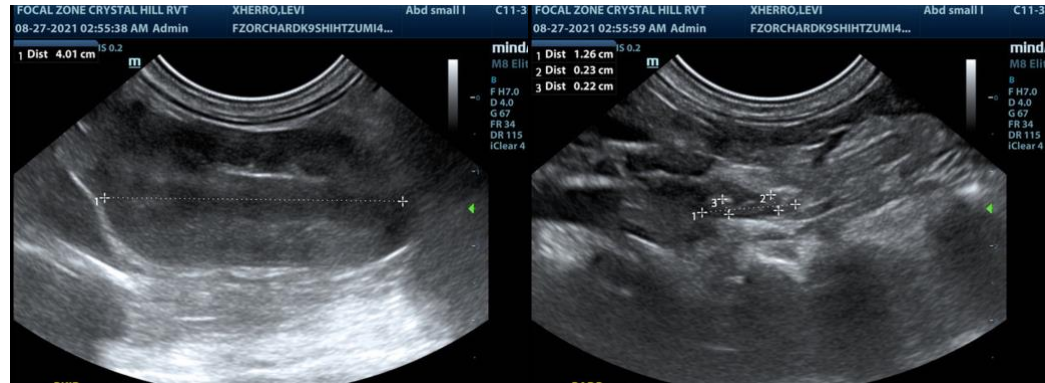
Intact Male

**AGE**

4 Months

**WEIGHT**

2 kg



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Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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.

**IMAGING PERFORMED BY**

Crystal Hill

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.

**HOSPITAL NAME**

Orchard AH

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
Eric.Lindquist@SonoPath.com

**REFERRING VET**

Dr. D'Amico

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**DATE**

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