



PATIENT

Perla Guzman

SPECIES

Canine

BREED

Shih Tzu

SEX

Female

AGE

2 Years

WEIGHT

9.2 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario del Norte

REFERRING VET

Dr. Ileana Rivera

INVOICE

37269

DATE

4/28/22

PRESENTING CLINICAL SIGNS

Patient has been with on and off gastrointestinal symptoms during the past year. Cortisol test was performed in March 2022 and results were normal. She has been in hydrolyzed diet (Royal Canin) during the last 2 months but still has sporadic vomits. Bloodwork has been done several times and results has been within normal limits. A fecal by centrifugation was done in January and results were negative. Suspect IBD, lymphoma, open.

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 were 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 kidney measured 3.5 cm. The right kidney measured 3.5 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.

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.

Liver

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.

Gastrointestinal

The **stomach** revealed minor mucosal hypertrophy. No loss of curvilinear detail or presence of foreign bodies, most consistent with gastritis. The small intestine was unremarkable. Soft stool noted in the colon.



PATIENT

Pancreas

Perla Guzman

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Mild gastritis pattern

BREED

Shih Tzu

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Continuation of hydrolyzed diet and anti-parasitic protocol indicated. Otherwise, endoscopy indicated. No evidence of neoplasia or foreign bodies.

SEX

Female

Helicobacter/Gastritis protocol

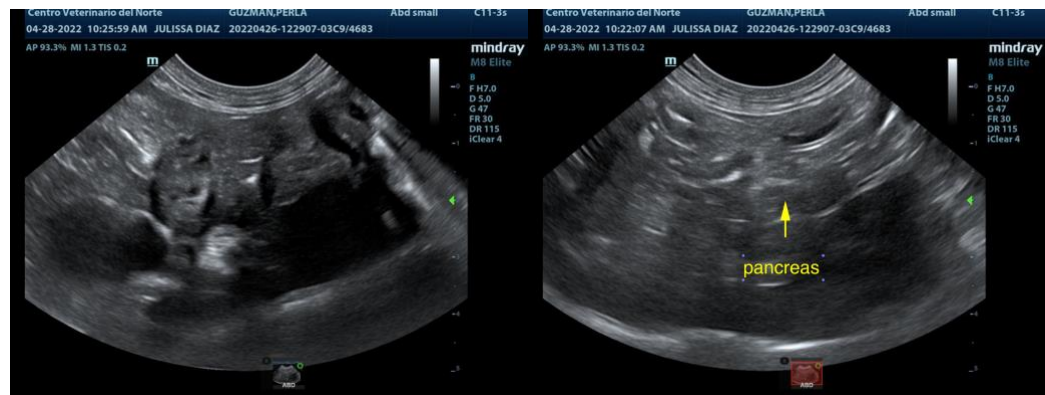
A clinical trial of **Zithromax** (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), **Metronidazole** (10-20 mg/kg p.o. b.i.d.), **Pepcid** (0.5-1 mg/kg s.i.d.) and **Sucralfate** (0.5-2 g/dog PO) or **Omeprazole** (1 mg/kg p.o. s.i.d.) over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

AGE

2 Years

WEIGHT

9.2 Pounds



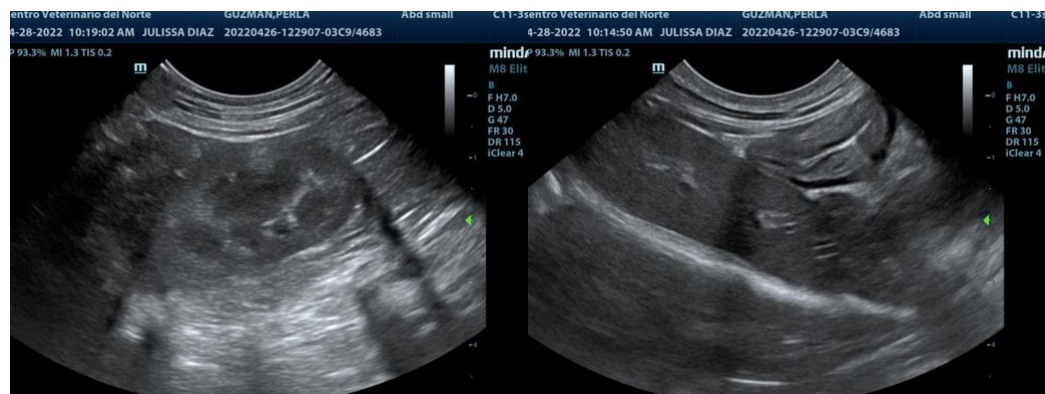
INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Julissa Diaz



HOSPITAL NAME

Centro Veterinario del Norte

REFERRING VET

Dr. Ileana Rivera

INVOICE

37269

DATE

4/28/22



PATIENT

Perla Guzman

SPECIES

Canine

BREED

Shih Tzu

SEX

Female

AGE

2 Years

WEIGHT

9.2 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario del Norte

REFERRING VET

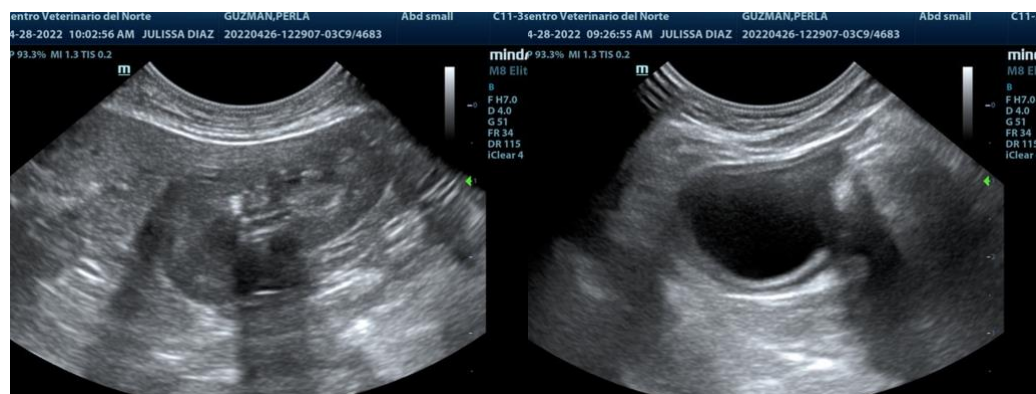
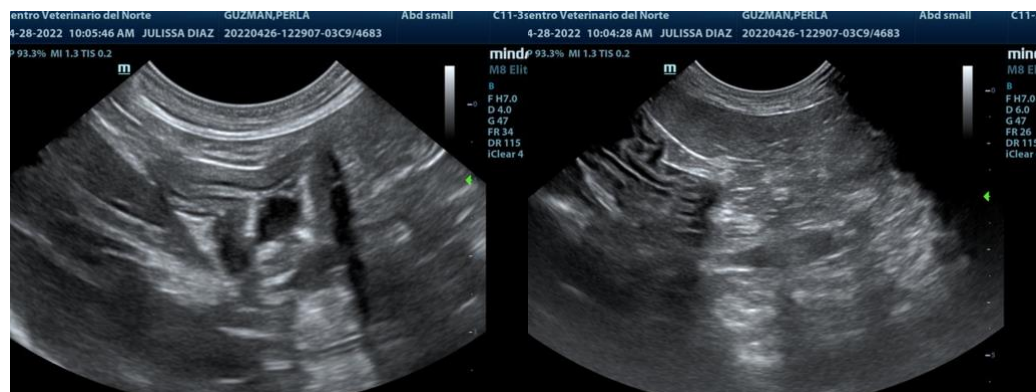
Dr. Ileana Rivera

INVOICE

37269

DATE

4/28/22



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