



PATIENT

Shiroi Rodriguez

SPECIES

Canine

BREED

Fox Terrier (smooth)

SEX

Spayed Female

AGE

15 Years

WEIGHT

6.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dra. Yaniris Alvarado

HOSPITAL NAME

Ramey VH

REFERRING VET

Dra. Yaniris Alvarado

INVOICE

23194

DATE

7/7/23

PRESENTING CLINICAL SIGNS

History: Patient was diagnosed with Ehrlichia 10 years ago. Tx was given. After being diagnosed she has been having gastrointestinal problems. She has chronic vomiting unresponsive to treatment and diet change (Low fat). The vomiting started again about a week ago and O' noticed petequiae. The vomit is color green. Two weeks ago she had a lot of coughing. Tx was giving, but there was not much improvement. Referred by another clinic. Clinician suspect liver mass or gallbladder problems.

Abnormal PE/Chem/CBC/UA Results: CBC: Low RBC, HCT, HGB. High WBC, NEU, MONO. CHEM: high BUN and ALT

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** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. A hyperechoic medullary rim sign was noted in the left kidney. The left kidney measured 3.16 cm. The right kidney measured 3.16 cm.

Adrenal Glands

The regions of the **adrenal glands** revealed no evident pathology.

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 visible **liver** was unremarkable. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

The **stomach** revealed fluid filled lumen and hyperperistalsis. Moderate to severe gastric stasis and overdistention were noted. No evident foreign body noted. Thickening was noted in the upper duodenum, measuring 1.9 cm x 1.4 cm, causing an obstructive pattern.

Pancreas

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

Shiroi Rodriguez

SPECIES

Canine

BREED

Fox Terrier (smooth)

SEX

Spayed Female

AGE

15 Years

WEIGHT

6.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dra. Yaniris Alvarado

HOSPITAL NAME

Ramey VH

REFERRING VET

Dra. Yaniris Alvarado

INVOICE

23194

DATE

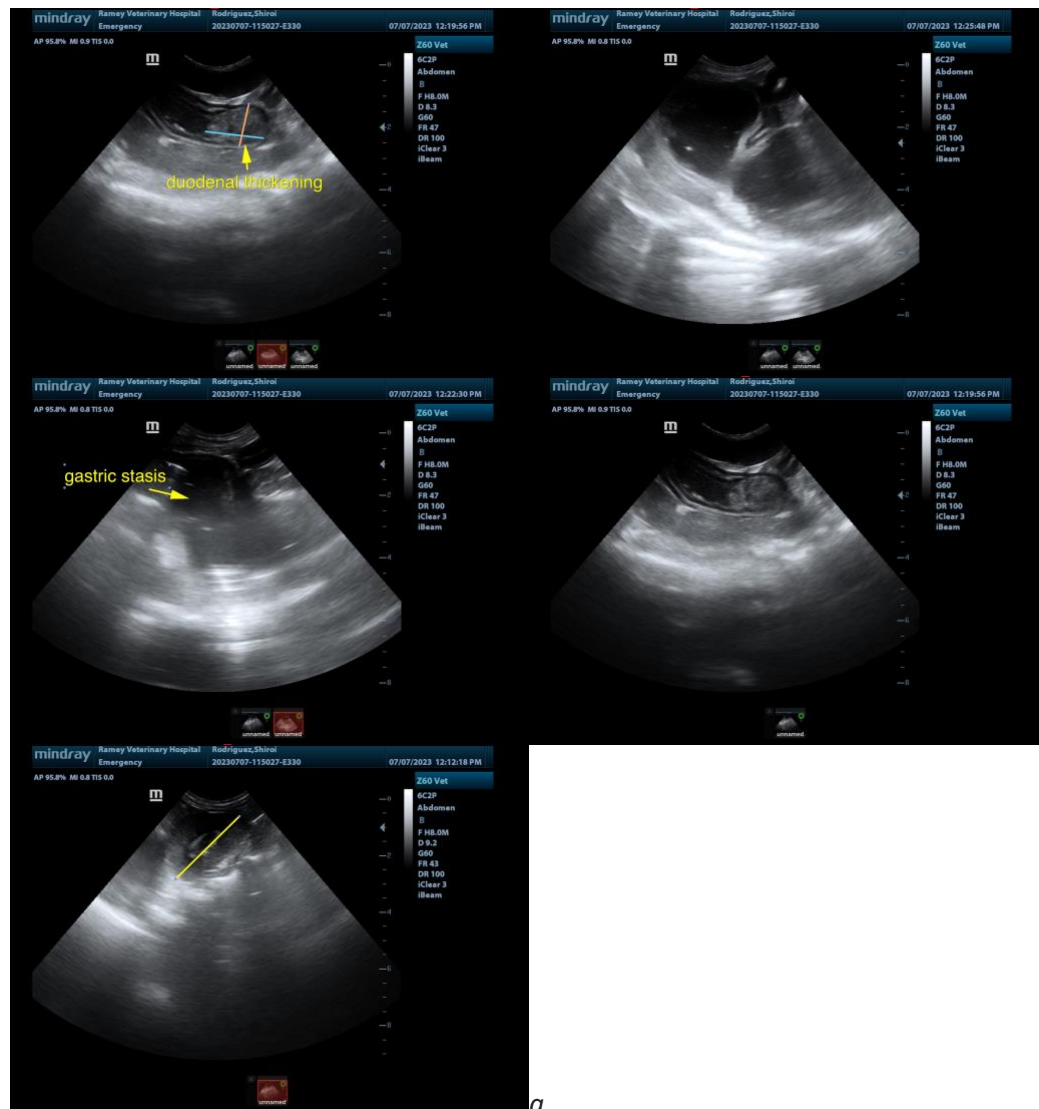
7/7/23

ULTRASONOGRAPHIC FINDINGS

- Gastric stasis of unknown cause. Delayed outflow. Upper duodenal/pyloric stricture. Suspect carcinoma. Surgical intervention is recommended with potential resection. However, this region is difficult to resect adequately.
- Hyperechoic medullary rim sign in the left kidney with interstitial nephrosis pattern.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Endoscopy could be considered in order to obtain mucosal biopsies. GI hemorrhage may be an underlying cause of anemia.



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.



PATIENT

Shiroi Rodriguez

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.

SPECIES

Canine

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

BREED

Fox Terrier (smooth)

SEX

Spayed Female

AGE

15 Years

WEIGHT

6.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dra. Yaniris Alvarado

HOSPITAL NAME

Ramey VH

REFERRING VET

Dra. Yaniris Alvarado

INVOICE

23194

DATE

7/7/23