



PATIENT

Millie Lugo

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed female

AGE

10 years

WEIGHT

19 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mack

HOSPITAL NAME

Northside VC

REFERRING VET

Dr. Mack

INVOICE

32310

DATE

8/11/22

PRESENTING CLINICAL SIGNS

History: Patient drank chlorinated water and ate hot dogs around 3 weeks ago, was ataxia, V+/D+ and was treated at referring vet and medvet. O was told ultrasound at that time showed thickening of stomach. O brought to us for second opinion. P is acting normal now
Abnormal PE/Chem/CBC/UA Results: none

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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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. The left kidney measured 4.0 cm. The right kidney measured 5.0 cm.

Adrenal Glands

The left **adrenal gland** was slightly heterogenous at the cranial pole and measured 0.4 cm. The right adrenal gland revealed a hyperechoic nodule at the cranial pole measuring 1.3 cm and was mildly expansive. This is most consistent with adenoma.

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.

Liver

The **liver** revealed increased portal markings with coarse architecture. The gallbladder and common bile duct are unremarkable. History of cholangitis is likely. The changes are fairly mild.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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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.

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ULTRASONOGRAPHIC FINDINGS

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Minor hepatic remodeling.

Hyperplastic or adenomatous nodules in both adrenal glands to monitor.

Otherwise, unremarkable abdomen.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Bile acid profile would be ideal. Blood pressure measurements are warranted given the adrenal nodules.

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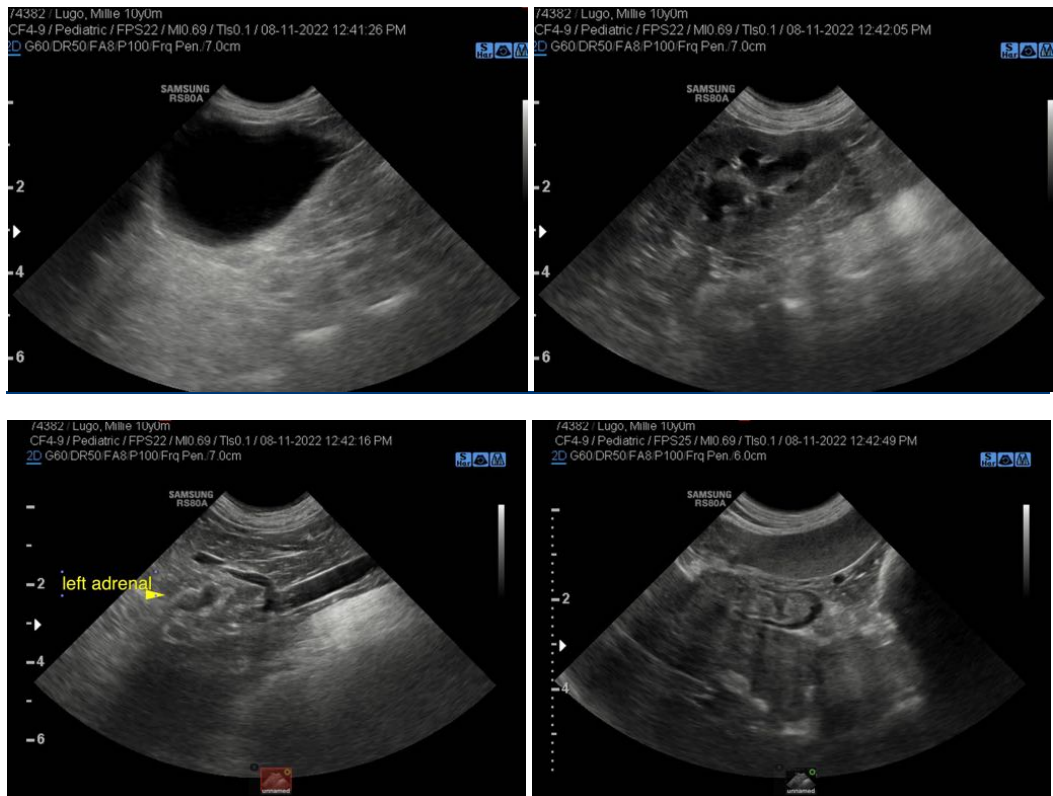
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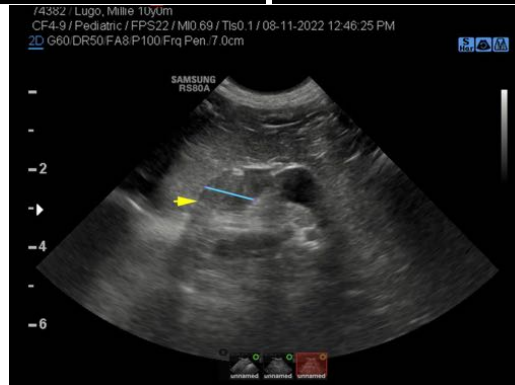
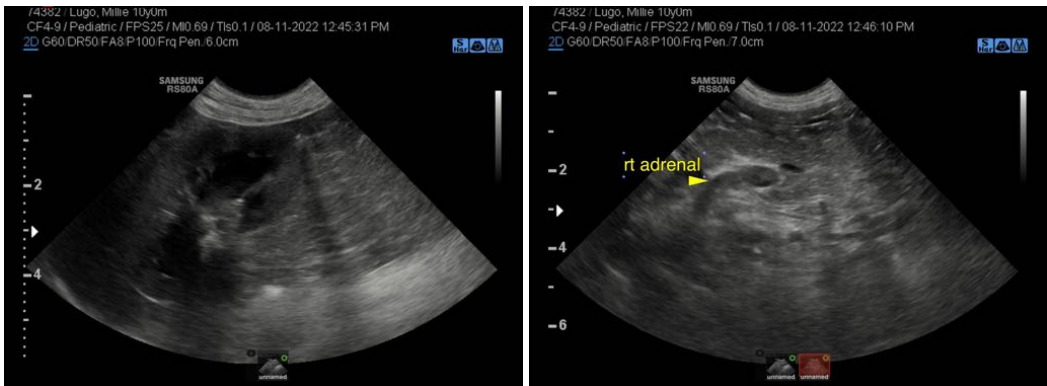
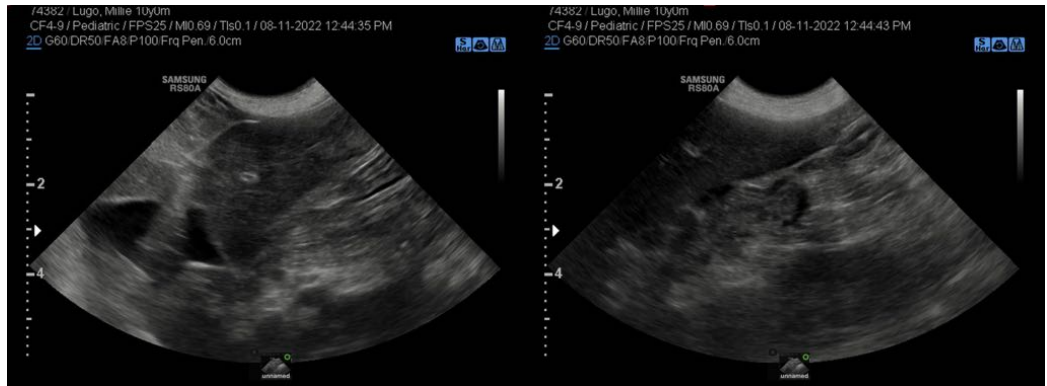
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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