



PATIENT

Mylo Quintero

PRESENTING CLINICAL SIGNS

Patient presents for vomiting and not being able to hold food down.
Abnormal PE/Chem/CBC/UA Results: PSL = normal.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Jack Russell Terrier

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.

SEX

Neutered Male

The residual prostate measured 0.70 cm.

AGE

11 Years

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 4.23 cm. The right kidney measured 5.11 cm.

Adrenal Glands

WEIGHT

13 Pounds

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The right adrenal gland measured 1.93 cm x 1.08 cm at the cranial pole and 0.68 cm at the caudal pole. A nodule was noted at the cranial pole of the left adrenal gland measuring 0.81 cm. Caudal pole measured 0.57 cm. Length measured 1.81 cm.

INTERPRETED BY

Eric Lindquist, DMV

Spleen

DABVP, Cert. IVUSS

The **spleen** presented subtle micronodular changes with irregular contour.

IMAGING PERFORMED BY

Kelly Vazquez

Liver

HOSPITAL NAME

Animal Paradise Hospital

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. Hepatic lymph nodes were mildly enlarged. Micrometastasis is a strong potential, given the global presentation.

REFERRING VET

Dr. Mosta ElShafie

Gastrointestinal

INVOICE

42409

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropy" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. No concerning lymphadenopathy was visible. No evidence of obstruction was present. Chronic inflammatory bowel disease is likely with a low possibility of an early neoplastic event such as lymphoma. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule out this possibility.

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10/31/22



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Pancreas

Mylo Quintero

The **pancreas** was hypoechoic and irregular with undulating contour, measuring up to 1.06 cm in the left limb.

SPECIES

Other

Canine

Iliac and sublumbar lymph nodes were enlarged, rounded, and hypoechoic. The largest measured 4.0 cm x 3.0 cm in the mid caudal abdomen.

BREED

Minor areas of free fluid noted.

Jack Russell Terrier

ULTRASONOGRAPHIC FINDINGS

SEX

- Multifocal lymphadenopathy with likely splenic and intestinal involvement
- IBD GI pattern
- Hypoechoic, irregular pancreas
- Age related adrenal changes
- Age related hepatic changes

Neutered Male

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

11 Years

FNA of the lymph nodes, spleen, and liver recommended for staging purposes. Some early target lesions were noted in the spleen. Reactive mesentery noted throughout the GI tract. Prognosis is very guarded to poor. Multifocal round cell neoplasia likely.

WEIGHT

13 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Animal Paradise
Hospital

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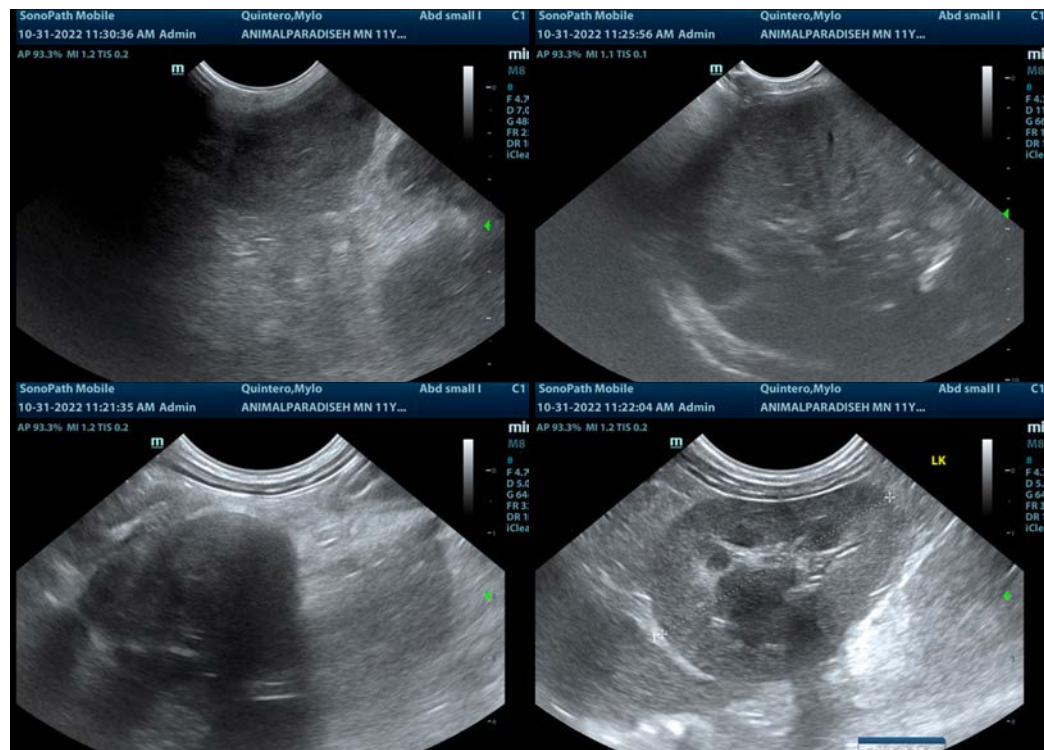
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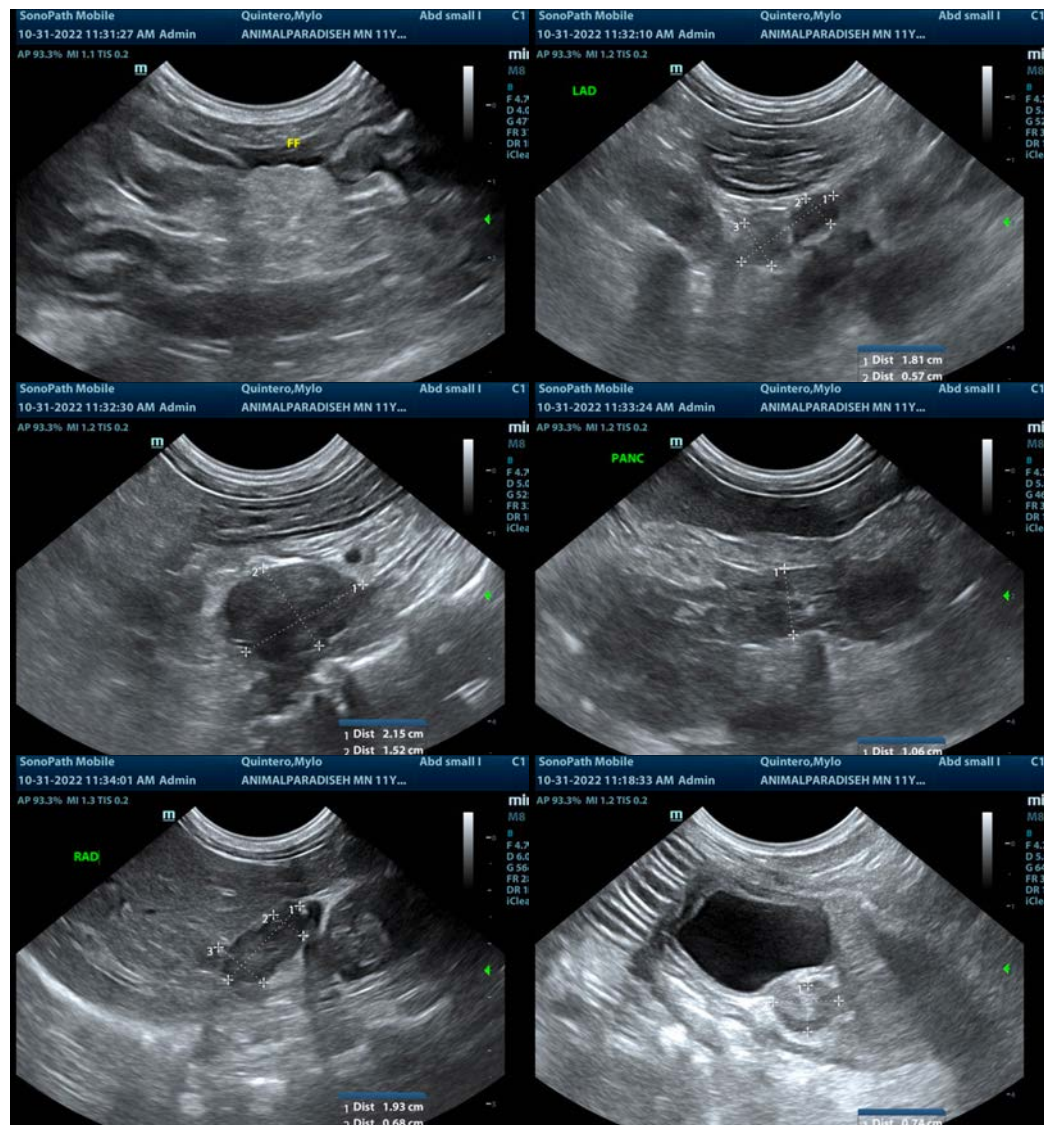
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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