



PATIENT

Toby Miller

SPECIES

Canine

BREED

Yorkie

SEX

Neutered Male

AGE

13 Years

WEIGHT

6.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Griffin

HOSPITAL NAME

Northside VC

REFERRING VET

Griffin

INVOICE

20224

DATE

12/19/22

PRESENTING CLINICAL SIGNS

History: Patient is doing well and presented for recheck. He has had chronic IBD and luxating patellas Patient is currently on Denamarin, famotidine, ursodiol, tylenol powder and gabapentin Previous liver cytology results: 5 smears are assessed. Moderate numbers of hepatocytes are present within a hemodilute background. The hepatocytes are usually seen in small to medium sized clusters. Many (~50-70%) of the hepatocytes exhibit cytoplasmic rarefaction. The hepatocytes also sometimes contain green to blue granules, likely consistent with lipofuscin. A mild increase in binucleate hepatocytes is noted. The hepatocytes show mild anisocytosis and mild anisokaryosis. There may be a mild increase in variably sized lymphocytes beyond blood. Low to moderate numbers of lipid droplets and ruptured cells are seen. No infectious agents or overtly malignant cells are identified.

Abnormal PE/Chem/CBC/UA Results: 8/23/22 SDMA 22 ALT: 176, Tbili 1.0, CHOL 105, Lipase 3501 12/19/22 Lipase 2614, ALT 179

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 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. This change is similar to the prior sonogram. The right kidney measured 3.12 cm. The left kidney measured 3.0 cm.

Adrenal Glands

The **left adrenal gland** is mildly heterogenous and slightly irregular. The left adrenal gland measured 1.07 cm x 0.6 cm.

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** was fairly similar to the prior sonogram. The liver appeared subjectively mildly subnormal in size. The gallbladder revealed minor dependent physiologic debris. I recommend reassessing the bilirubin value to ensure this not artifactual owing to hemolysis or lab error, as there is no justification for bilirubin elevations.

Gastrointestinal



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The **gastrointestinal tract** revealed minor persistent thickening and echogenic mucosal remodeling in the stomach with muscularis hypertrophy. The small intestine was unremarkable. Minor excessive GI gas was noted. Curvilinear patterns were maintained throughout the GI tract. Some remodeled mesentery was noted around the small intestine. Minor soft stool was noted in the colon.

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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.

BREED

Yorkie

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Stable abdomen
- Minor persistent thickening and echogenic mucosal remodeling in the stomach
- Minor mesenteric remodeling, likely owing to past episodes of steatitis/pancreatitis
- Subjectively mildly subnormal liver size
- Mildly heterogenous and slightly irregular left adrenal gland
- Gallbladder debris

AGE

13 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of significant disease.

WEIGHT

6.4 Pounds

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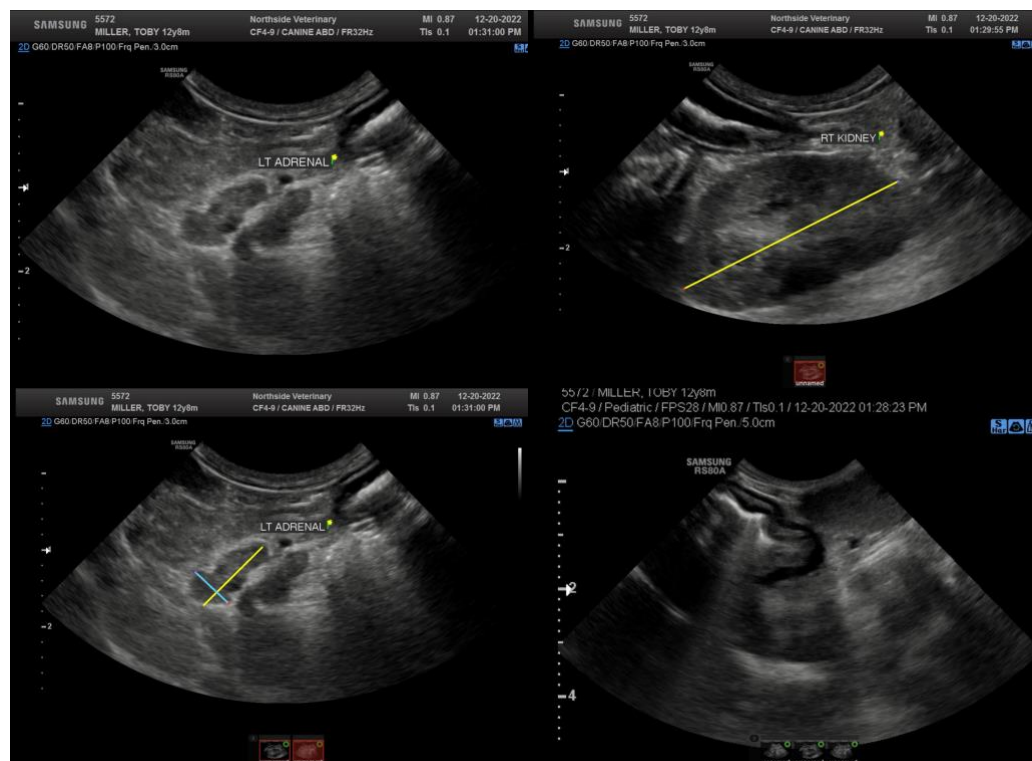
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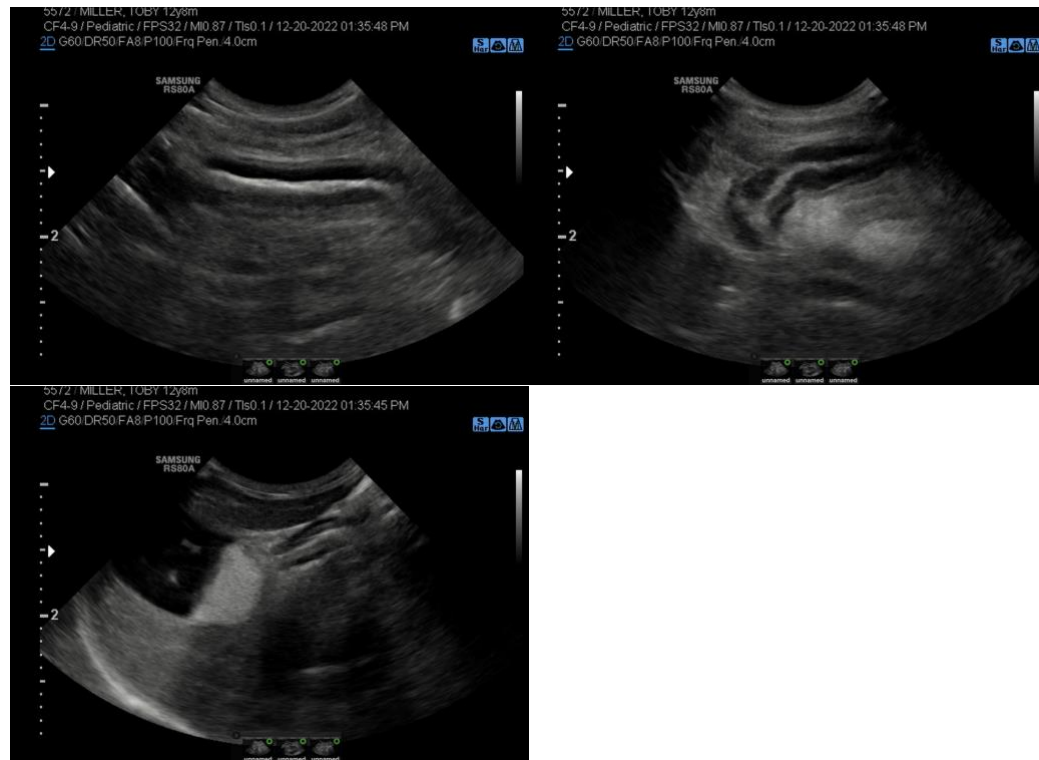
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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