

PATIENT

Skittles Fitzgerald

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

8 Years

WEIGHT

15 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Chase VC

REFERRING VET

Hallie Lipinski, DVM

INVOICE

21554

DATE

PRESENTING CLINICAL SIGNS

History: Presented in Jan 2023 for decreased appetite/ weight loss. Exam mainly unremarkable. Labwork showed elevation in liver values- ALT 333, AST 149, ALP 2784, GGT 28, T BILI 0.6, TP 5 (L) Glob 2.1 (L) Ph0s 1.6 (L) Started on Denamarin, Clavamox, Metronidazole. Liver values have improved some with medications but have not normalized. Most recent labwork 2/15 - HCT 37.6 (L) PLT 128 (L) Phos 1.6 (l) T.P 5 (L) Glob 2.1 (L) AST 77 (H) ALP 1168 (H) GGT 22 (H) T Bili 0.4 (H). On Denamarin 225 mg SID

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. Small calculi (up to 5.0 mm) were noted. Anechoic urine was present. 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 5.0 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. The right adrenal gland measured 0.39 cm at the cranial pole and 0.43 cm at the caudal pole. The left adrenal gland measured 0.4 cm at the cranial pole and 0.42 cm at the caudal pole.

Spleen

The **spleen** revealed multifocal hypoechoic nodular changes with coalescing undulating contour and enhanced surrounding mesentery.

Liver

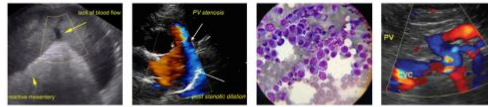
The **liver** revealed increased portal markings throughout the liver. Target lesions were noted throughout the liver. Hepatic lymph nodes were enlarged and rounded. Microcystic changes were noted, measuring up to 3.0 cm. Excessive gallbladder debris was noted.

Gastrointestinal

The **upper gastrointestinal tract** revealed variable wall thickening with areas of loss of mural detail. The gastric wall measured up to 1.1 cm. The colon was unremarkable.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.



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Free Abdomen

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Multifocal **lymph node** enlargement was noted.

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ULTRASONOGRAPHIC FINDINGS

- Infiltrative splenohepatic patterns with multifocal lymphadenopathy
- Upper gastrointestinal thickening
- Urinary bladder calculi

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Multicentric round cell neoplasia is noted. FNA of the spleen, liver and lymph nodes are all indicated, however, prognosis is poor.

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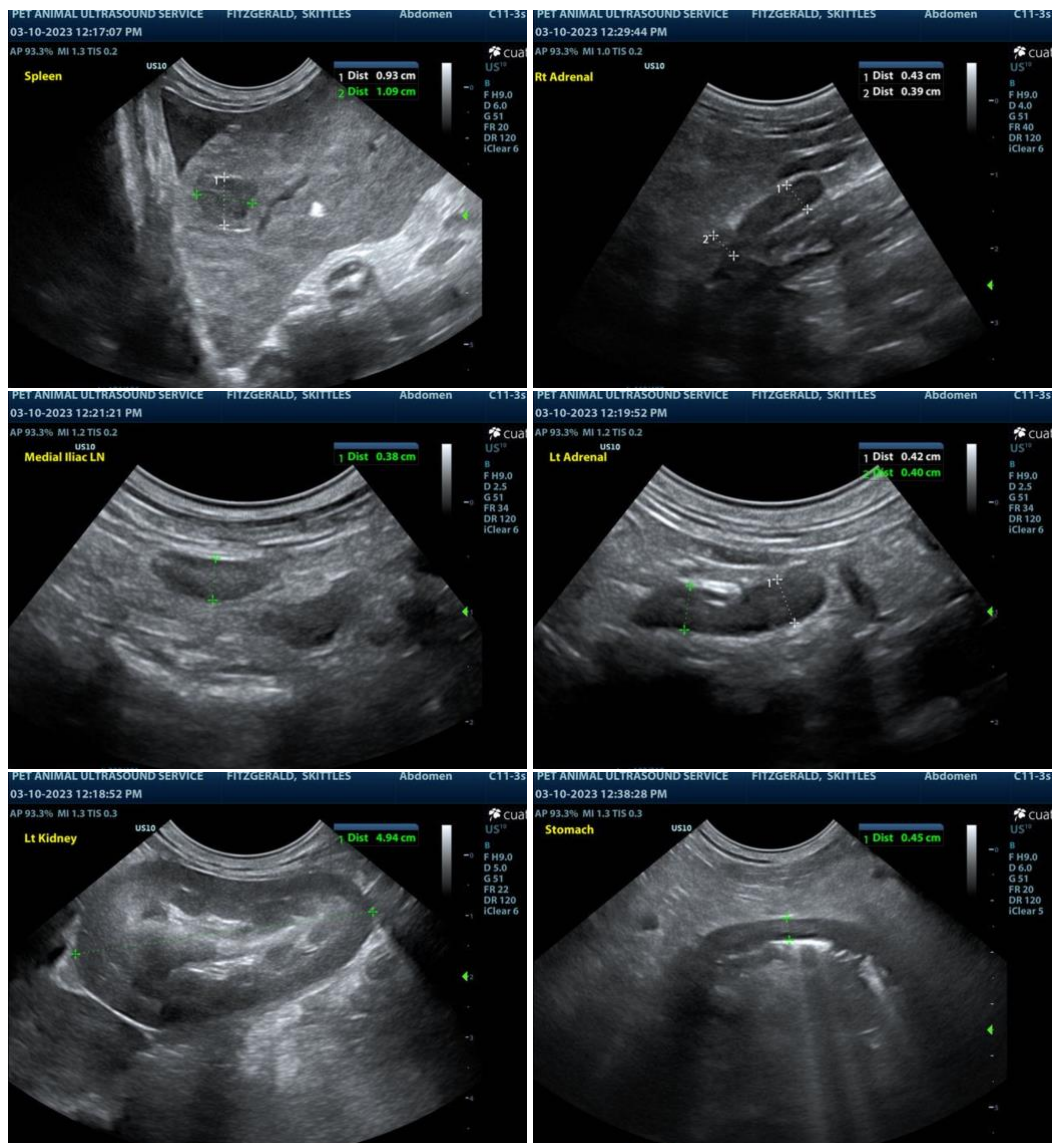
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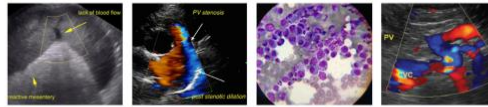
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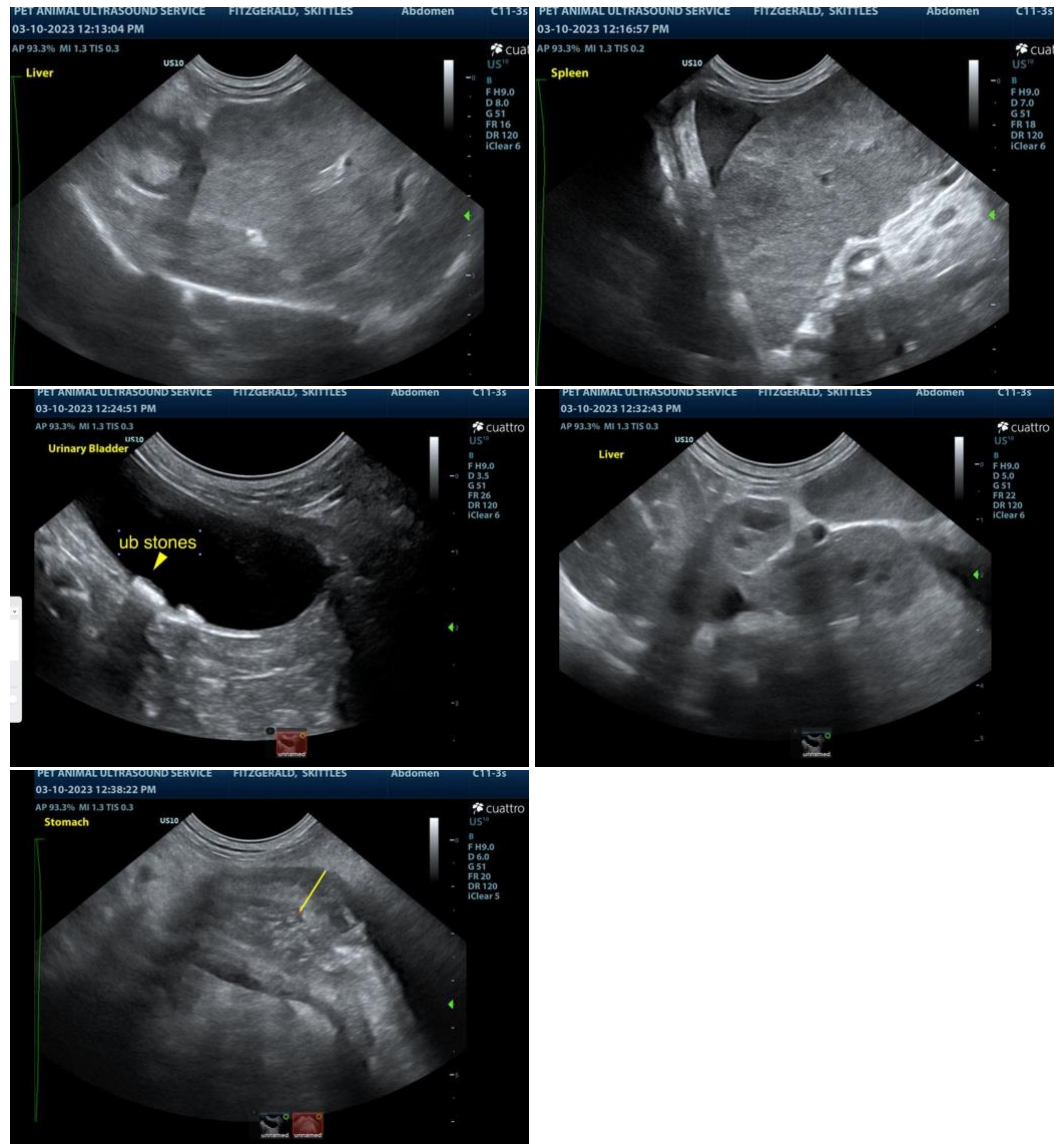
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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