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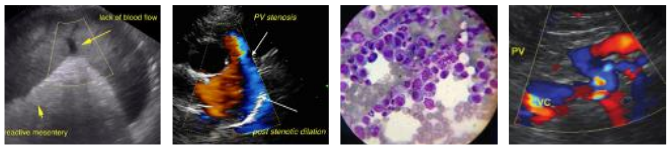
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Butters Gluchoski

SPECIES

Feline

BREED

DLH

SEX

Neutered Male

AGE

13 Years 2 Months

WEIGHT

7.7 Pounds

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

HOSPITAL NAME

Greenwoos Lake AH

REFERRING VET

Dr. Streng

INVOICE

12554

DATE

8/17/21

PRESENTING CLINICAL SIGNS

History: Dilute urine

Current Meds: Metronidazole 1 day, 5 mg (6/30/21)

Abnormal Chem Findings: Creat 1.7

Urine Spec Gravity: 1.019 (7/22/21)

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 moderate 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 3.27 cm. The right kidney measured 3.78 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 left adrenal gland measured 0.55 cm. The right adrenal gland measured 0.55 cm.

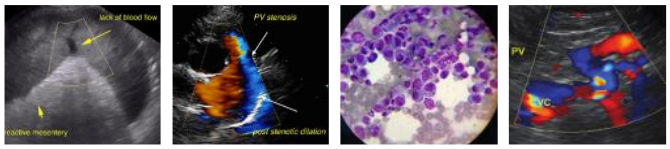
Spleen

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** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild 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. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. Occasional hypoechoic non-disruptive nodules noted, measuring up to 0.63 cm.

Gastrointestinal



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The **gastrointestinal tract** revealed minor variable thickening and echogenic submucosal changes most consistent with low grade end result of chronic GI disease such as IBD and may be related to malassimilation of nutrients if any weight loss is present. No obvious neoplastic patterns were noted and luminal content as unremarkable.

Pancreas

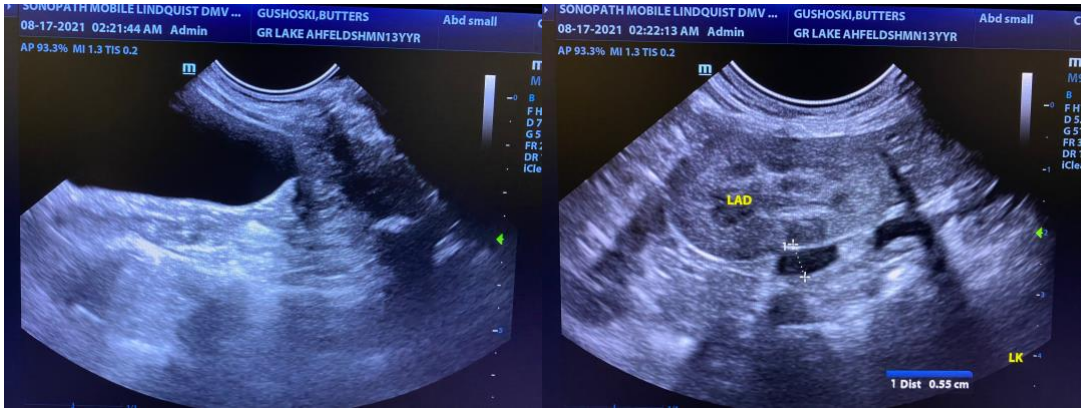
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some mild parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation, then low-grade smoldering chronic pancreatitis should be suspected. Irregular contour was noted in the left limb of the pancreas; however, the patient is not painful upon imaging. History of pancreatitis likely.

ULTRASONOGRAPHIC FINDINGS

- Mild chronic GI changes
- Age-related pancreatic changes with irregular contour-history of pancreatitis likely
- Age-related renal changes
- Age-related hepatic changes with undefined nodules

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If liver enzymes are elevated and/or weight loss is present, FNA of the liver would be appropriate. The kidneys appear mild to moderately compromised. The kidneys do not appear end stage in this patient. Predisposing issues such as prerenal disease should be considered. No evidence of neoplasia.



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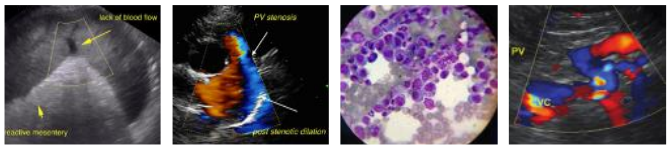

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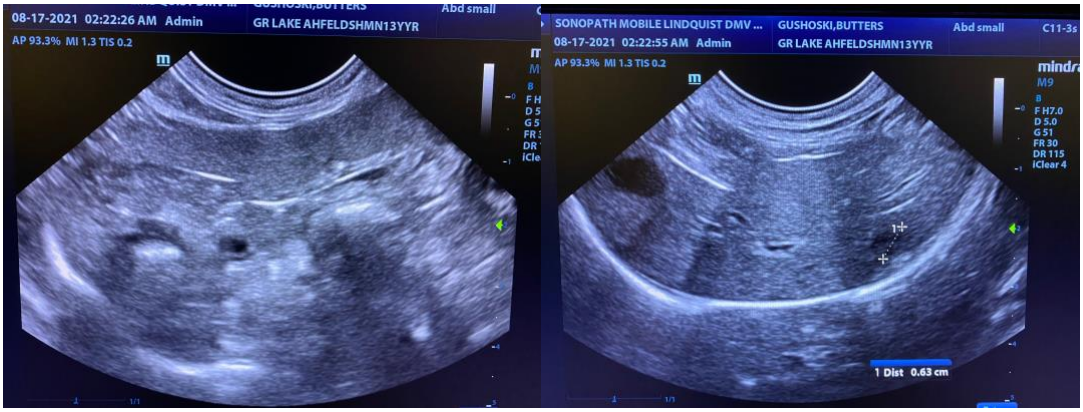

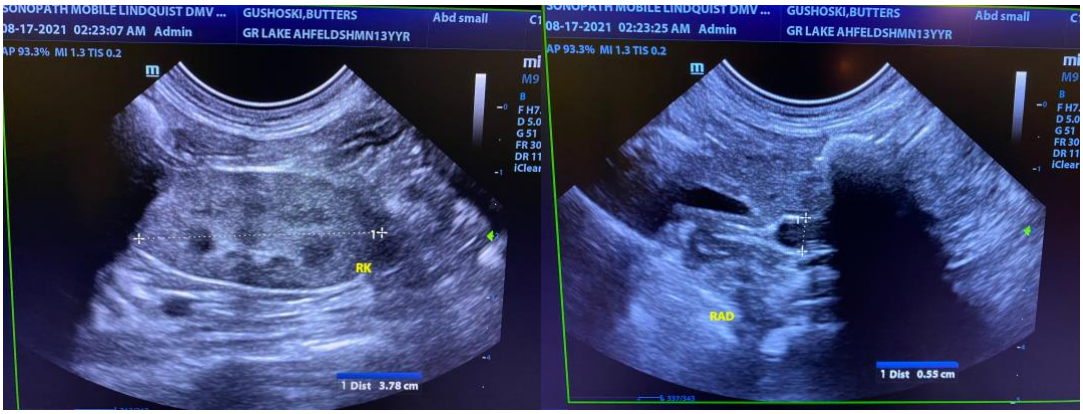

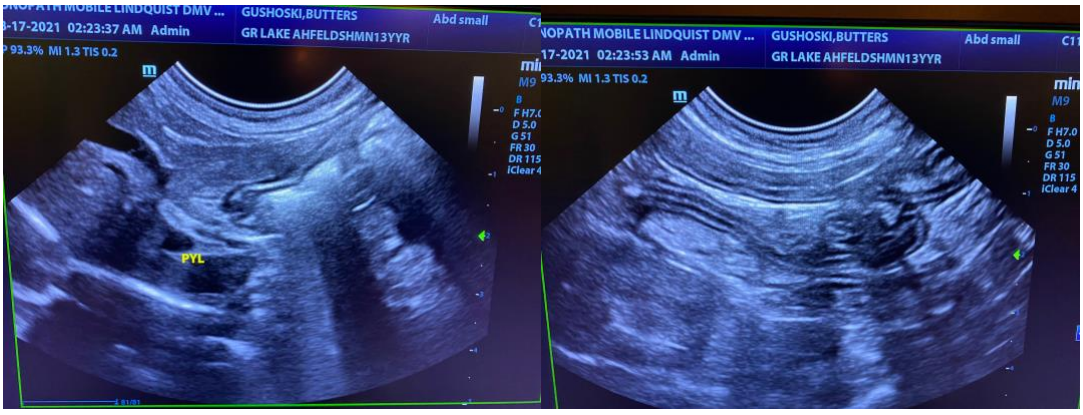

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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