



PATIENT

Gus Bereiter

SPECIES

Feline

BREED

DLH

SEX

Neutered Male

AGE

9 Years

WEIGHT

4.5 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Callihan/AEC

HOSPITAL NAME

Animal Emergency Care

REFERRING VET

Dr. Callihan/AEC

INVOICE

39580

DATE

7/17/22

PRESENTING CLINICAL SIGNS

Gus presented to BBVSH ER on Friday 7/15/22 with complaint of vomiting, anorexia, lethargy. First vomit noted was Thur morning. Not typically an eater of nonfood items and no new exposures reported He is an only cat and is exclusively indoors. Normal stools and urination other than some blood in urine after cystocentesis yesterday Yesterday he had full bloodwork with UA with the following mild abnormalities: -mild elev BUN 44 (Cr 1.3) -hyperglycemia 239 -mild hypochloremia 109 -mild elev Amylase 447 -USG >1.050, glucose 1000, prot 30, some rbc, wbc (cystocentesis), no bacteria or crystals -CBC normal He received SC fluids, Cerenia and was sent home with Elura. Was told to recheck if still not eating today, and that abdominal ultrasound would be a reasonable next step. Owners report Gus did drink some water today but has not eaten.

Abnormal PE/Chem/CBC/UA Results: Temp 102.5, HR 190/min, resp 70/min Wt 4.52kg PE pretty unremarkable; BCS 4/9, quiet/depressed demeanor CG8+: -mild hyponatremia, hypochloremia -BUN 15 (was 44 yesterday) -Cr mild elev 213 (Stress) -mild decrease in iCa 1.02 (ref 1.04-1.44)

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. The left kidney measured 4.67 cm. The right kidney measured 4.7 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 0.40 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 submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



PATIENT

Gastrointestinal

Gus Bereiter

Examination of the **gastrointestinal tract** revealed variable infiltrative pattern with disrupted intestinal wall layering. Other areas of muscularis hypertrophy noted. Reactive mesentery noted associated with the intestinal tract. Slight areas of free fluid noted. Slight regional lymphadenopathy noted.

SPECIES

Pancreas

Feline

The **pancreas** was hypoechoic, irregular and enlarged, measuring up to 9.0 mm.

BREED

PRIMARY FINDINGS

DLH

- Variable infiltrative intestinal pattern with slight areas of free fluid, reactive mesentery, and slight regional lymphadenopathy
- Enlarged, hypoechoic pancreas

SEX

SECONDARY FINDINGS

Neutered Male

- Age related renal changes

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

9 Years

Full thickness intestinal biopsies or ultrasound guided FNA of the intestinal wall changes and regional lymph nodes would be warranted. Prognosis is guarded. Emerging lymphoma in the midst of inflammatory bowel versus mast cell disease or other round cell neoplasia. Complicated inflammatory bowel possible, yet less likely.

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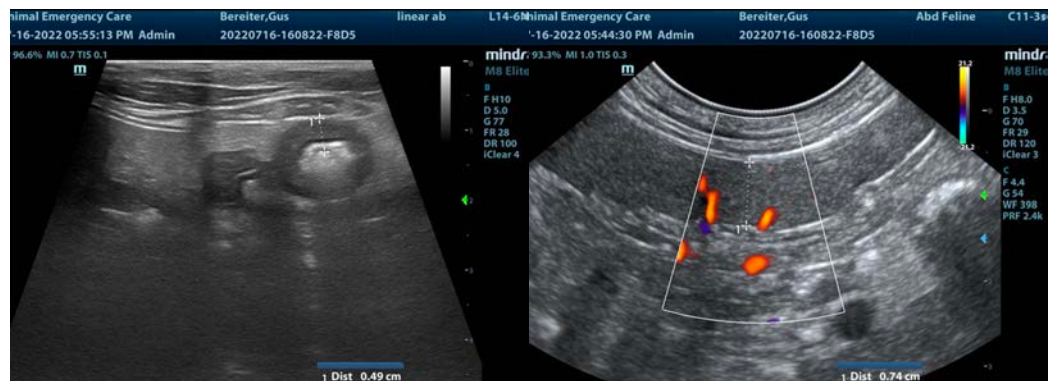
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Gus Bereiter

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.

SPECIES

Feline

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

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