

PATIENT PRESENTING CLINICAL SIGNS

Boots Gage P presented with vomiting and weight loss since 6/2021. Owners noted gradual weight loss over the last year. 2lb weight loss from 6-29-21 to 8-13-21 No masses palpated on abdomen
Abnormal PE/Chem/CBC/UA Results: BW will be attached from 12/30/2020 and 6/30/21
Elevated Spec FPL 8.8, mildly elevated amylase 2897 and lipase. UA – 2+ protein, USG 1.046.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Maine Coon X

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.

SEX

Neutered Male

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The right kidney measured 4.58 cm. The left kidney measured 4.58 cm. Blood flow appeared to be adequate on color flow assessment.

AGE

11 Years

Adrenal Glands

The **right adrenal gland** was 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 0.49 cm.

WEIGHT

7 Years

The region of the **left adrenal gland** was unremarkable.

INTERPRETED BY

Eric Lindquist, DMV,
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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.

HOSPITAL NAME

Companion Pet Clinic

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.

REFERRING VET

Dr. Brandi Finney

INVOICE NUMBER

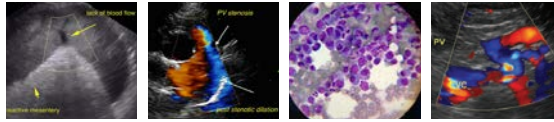
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Gastrointestinal

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall 1:1 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. Intestinal wall thickness measured up to 0.47 cm. Slight mesenteric lymphadenopathy noted, reactive pattern. No evidence of obstruction was present. The colonic wall was slightly

DATE

8/13/21



PATIENT

Boots Gage

thickened. 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.

SPECIES

Feline

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.

BREED

Maine Coon X

Free Abdomen

Trace areas of free fluid noted.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Geriatric abdomen with chronic renal, pancreatic and GI changes
- Free fluid – may be owing to occult neoplasia or cachexia
- Slight mesenteric lymphadenopathy – reactive pattern

AGE

11 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No obvious evidence of neoplasia. Full thickness intestinal and lymph node biopsies would be necessary for definitive diagnosis. No obvious neoplasia. Neoplastic criteria is not met with the GI tract. Malassimilation of nutrients may be an issue in this patient. Maldigestion panel, three view chest radiographs and full CNS examination is recommended to examine for occult disease that could be responsible for the weight loss. Evaluation for competitive eating environments should also be considered. Periodic pancreatitis likely given the enzyme elevations and the chronic pancreatic changes.

WEIGHT

7 Years

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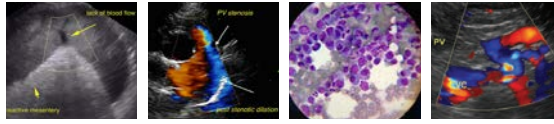
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PATIENT

Boots Gage

SPECIES

Feline

BREED

Maine Coon X

SEX

Neutered Male

AGE

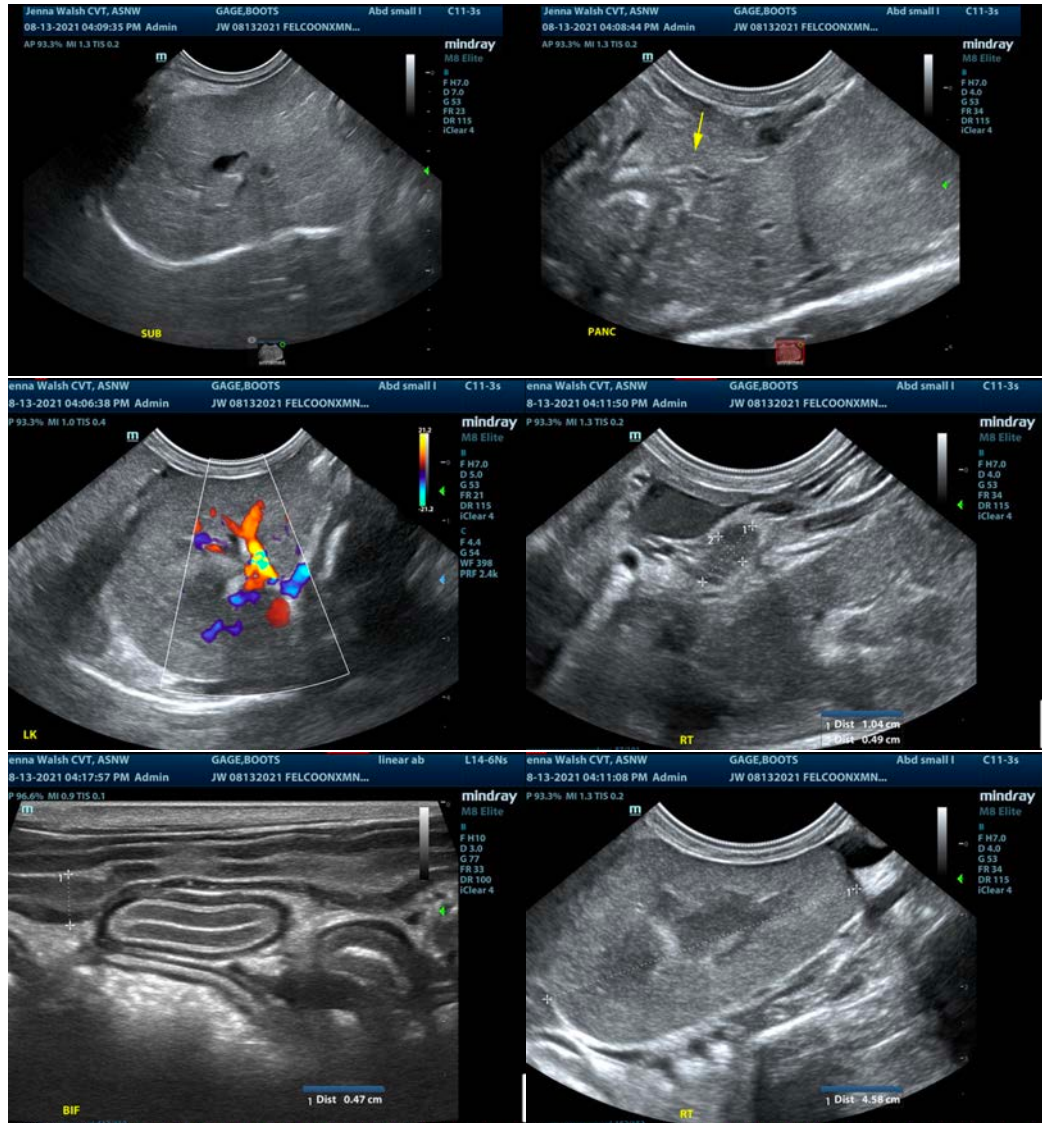
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WEIGHT

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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.

REFERRING VET

Dr. Brandi Finney

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.

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