



PATIENT PRESENTING CLINICAL SIGNS

Mittens Handyside

Clinical signs: Weight loss
History: Patient has been losing weight over past couple years (17.2# on 4/29/21, now 10.8#). Not intentional. Patient does have a history of chronic vomiting that seemed to be related to eating too fast. Seems to be eating less now but vomiting has resolved. Currently eating RC HP with a mixture of other OTC foods. Current medications: gabapentin and butorphanol for imaging

SPECIES

Feline

BREED

NP

SEX

Neutered Male

AGE

15 years

WEIGHT

10.8 lbs

Abnormal PE/Chem/CBC/UA Results: Physical exam: 0.3# weight loss since early May 2023, no pain on abdominal palpation, mild dental tartar Lab work: GI profile and Senior profile pending

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is mildly to moderately distended. A small amount of suspended echogenic debris is observed within the lumen. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 1-2 cm, are normal.

The left kidney is normal in size (4.00 cm in length) normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and hyperechoic relative to the spleen with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney is normal in size (4.24 cm in length) normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and hyperechoic relative to the spleen with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

Adrenal Glands

The left adrenal gland is normal in size (0.37 cm width) with a normal shape and smooth peripheral contours. A pinpoint hyperechoic focus is observed within the parenchyma. The remaining glandular echogenicity and detail are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal in size (0.36 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature appear normal.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM (Small
Animal Internal Medicine)

IMAGING PERFORMED BY

Lucas Budden

Spleen

The spleen is normal in size (0.68 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature appears normal.

HOSPITAL NAME

Frontier VH

Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is hyperechoic relative to the spleen and diffusely homogeneous in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The portal vein to caudal vena cava ratio is approximately 1: 1.

REFERRING VET

Lucas Budden

The gall bladder lumen is moderately distended. The wall is thin and smooth. A moderate amount of gravity-dependent, echogenic debris is observed within the lumen. The cystic and common bile ducts are normal. The duodenal papilla is normal in size (0.25 cm in width).

INVOICE

13466

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric

DATE

6.22.23



PATIENT outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall is normal to mildly thickened (up to 0.32 cm). There is disruption in the normal 1:3 muscularis: mucosal ratio in most segments. Discreet masses are not identified. The ileocecal colic junction and colonic wall are normal. No obstructive disease is noted.

Mittens Handyside

SPECIES *Pancreas*

Feline

The pancreas is visible/prominent with minimal deviation from the normal peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and mottled in appearance, with a few small hypoechoic nodules in the left limb. The pancreatic duct is visible, but not overtly dilated (0.22 cm in diameter).

BREED

NP

Free Abdomen

There is no obvious evidence of free fluid. A few prominent lymph nodes are observed adjacent to the ileocecolic junction (the largest measuring 1.16 x 0.40 cm). Surrounding mesentery is mildly hyperechoic.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

Primary Findings

AGE

15 years

- The small intestinal wall changes are consistent with inflammatory bowel disease, with some potential for emerging lymphoma.
- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.

WEIGHT

10.8 lbs

- The pancreatic changes are suggestive of chronic pancreatitis, with age-related remodeling +/- fibrosis. Benign nodular hyperplasia is also suspected.

Secondary Findings

- The bilateral renal changes are most consistent with chronic interstitial nephrosis/nephritis.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM (Small
Animal Internal Medicine)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Lucas Budden

- Fecal evaluation for internal parasites
- Texas GI panel including serum cobalamin and folate, TLI and PLI
- 4-week limited antigen or hydrolyzed protein diet trial, when the patient's appetite improves
- Three-view thoracic radiographs are recommended to assess for occult esophageal disease.

HOSPITAL NAME

Frontier VH

- Heartworm testing (including antigen and antibody tests) are recommended as heartworm disease can cause chronic vomiting in cats.

REFERRING VET

Lucas Budden

- Depending on the results of the above diagnostics, endoscopic or surgical GI biopsies may be necessary to get a definitive diagnosis.

INVOICE

13466

- In the meantime, symptomatic care along with initiation of a probiotic is recommended.

DATE

6.22.23



PATIENT

Mittens Handyside

SPECIES

Feline

BREED

NP

SEX

Neutered Male

AGE

15 years

WEIGHT

10.8 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM (Small
Animal Internal Medicine)

**IMAGING
PERFORMED BY**

Lucas Budden

HOSPITAL NAME

Frontier VH

REFERRING VET

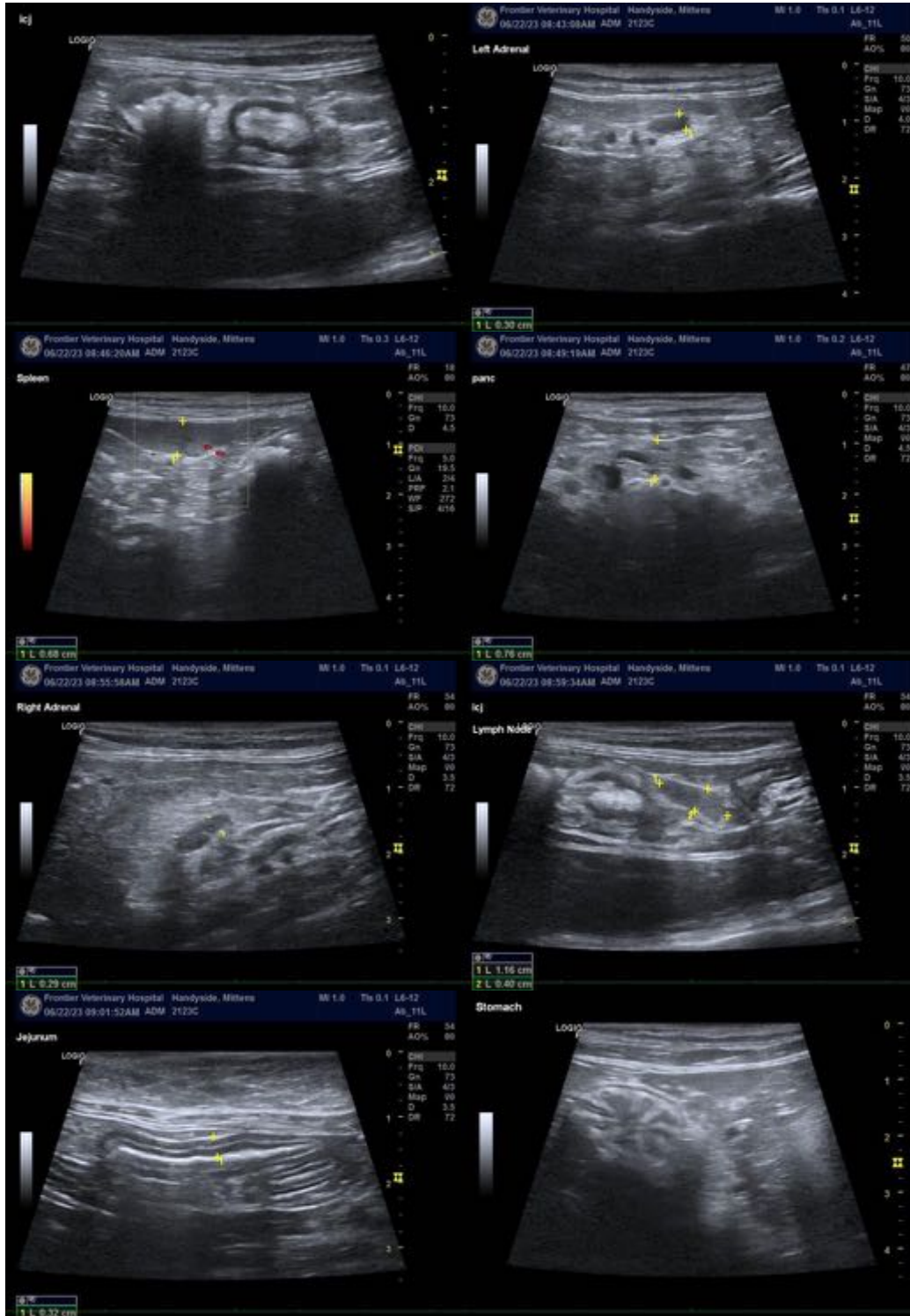
Lucas Budden

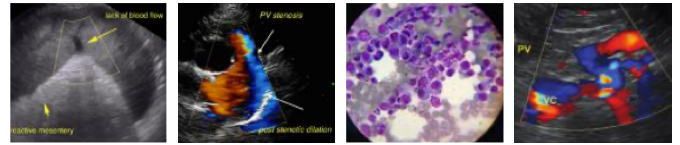
INVOICE

13466

DATE

6.22.23





PATIENT

Mittens Handyside

SPECIES

Feline

BREED

NP



SEX

Neutered Male

AGE

15 years

WEIGHT

10.8 lbs

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM (Small
Animal Internal Medicine)

**IMAGING
PERFORMED BY**

Lucas Budden

HOSPITAL NAME

Frontier VH

REFERRING VET

Lucas Budden

INVOICE

13466

DATE

6.22.23

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.

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.

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com