



PATIENT PRESENTING CLINICAL SIGNS

Hayden Fetterman
 History: Intermittent decreased appetite, chronic, gradual weight loss
 Medication: Panacur

SPECIES
 FELV/FIV neg. Giardia antigen positive. Unremarkable CBC and mini Chem panel. Heartworm antibody neg.
 Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED
Urinary System

Norwegian Forest Cat
 The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX
 Male
 Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 3.8 cm. The right kidney measured 3.7 cm.

AGE
 7 months

Adrenal Glands

WEIGHT
 6.42 Pounds
 Both adrenal glands exhibited subjective subnormal to flattened appearance. The left adrenal gland measured 0.14 cm in width. The right adrenal gland measured 0.23 cm in width.

Spleen

INTERPRETED BY
 R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)
 The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted. The spleen measured 0.94 cm in width.

IMAGING PERFORMED BY
Liver

Rebekah Jakum, CVT
 ARDMS/RVT
 The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME
Gastrointestinal

Lehigh Valley AH
 (Allen)
 The stomach presented intact wall layering with a normal wall layer ratio. A small amount of retained echogenic ingesta was present in the pylorus. No overt evidence of gastric foreign material. Gastric body wall measured 0.2 cm.

REFERRING VET
 Dr. Meyer
 The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Minor segmental jejunal non-obstructive ileus pattern was present. No evidence of loss of intestinal wall layering, mechanical obstruction or other structural pathology such as masses or intussusception noted.

INVOICE
 25382
 Normal visible colon wall layers were present with apparent formed feces in lumen.

DATE
 9.14.2021



PATIENT *Pancreas*

Hayden Fetterman The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES *Free Abdomen*

Feline Intermittent, mildly prominent to enlarged mid abdominal mesenteric nodes were present. Example of lymph node measured 0.67 cm width. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED

Norweigan Forest Cat No effusion.

SEX **ULTRASONOGRAPHIC FINDINGS**

- Male
- Sonographically unremarkable gastrointestinal tract with segmental minor non-obstructive jejunal ileus
 - Intermittent mild mesenteric lymphadenopathy - probable lymphoid hyperplasia or immunologic immaturity.
 - Subjectively subnormal bilateral adrenal glands - non-specific.

AGE

7 months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.42 Pounds

Overall, no overt evidence of significant visceral pathology as an obvious cause of the patient's weight loss. Potential for underlying enteropathy without evidence of mural changes may be possible. Further assessment with a GI panel to include PLI, TLI, cobalamin and folate may be considered. Continued empirical therapy for giardia (given the positive giardia antigen) is recommended.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The subjective subnormal adrenal glands in this patient are non-specific and may be a normal patient variant given the patient's young age. However, although rare, considered unlikely and poorly studied in cats, yet in light of the patient's vague clinical signs, weight loss, decreased appetite, and lack of significant visceral pathology as well as normal thoracic radiographs, one could consider the potential for Addison's disease in this patient pending additional diagnostics and if vague clinical signs continue. If adrenal testing is eventually performed, the following procedure is suggested.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

ACTH stim procedure in cats:

½ vial of 125ug Synthetic ACTH (Cortrosyn) IM with blood samples taken just prior to the IM injection then precisely at 30 and 60 minutes for 3 total samples. Addisonian cats have very low to non-existent baseline cortisol while 30 and 60-minute values were < 1.3 ug/dl (Peterson et. al. 1989). Minimal studies have been performed and the normal reference range is much higher at 4.5-14 ug/dL so a higher post injection value that is under normal reference range is theoretical possible.

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(Allen)

REFERRING VET

Dr. Meyer

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PATIENT

Hayden Fetterman

SPECIES

Feline

BREED

Norwegian Forest Cat

SEX

Male

AGE

7 months

WEIGHT

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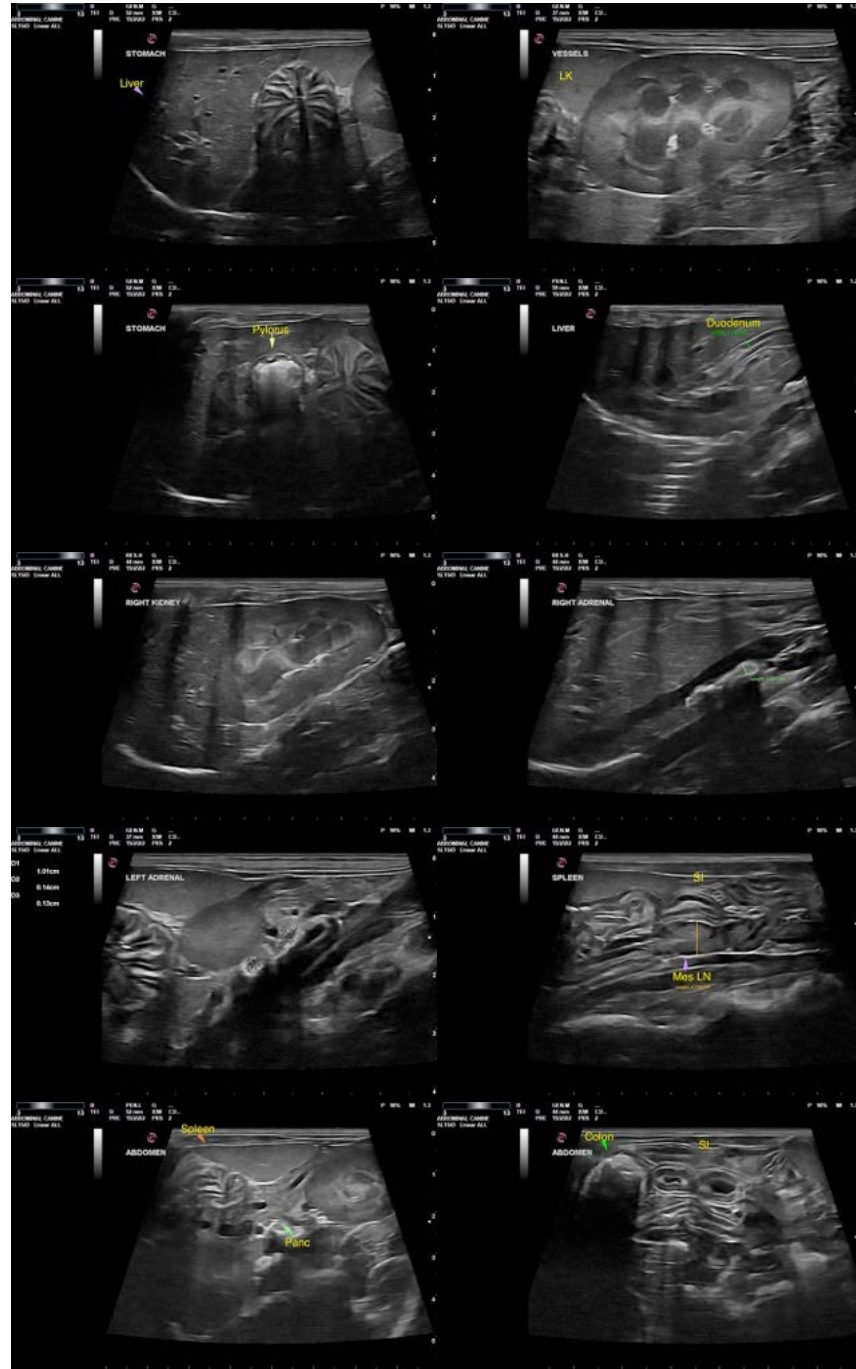
Dr. Meyer

INVOICE

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DATE

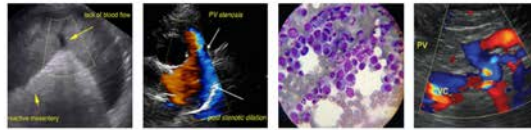
9.14.2021



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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)



PATIENT mac.daniel@sonopath.com

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SPECIES

Feline

BREED

Norweigan Forest Cat

SEX

Male

AGE

7 months

WEIGHT

6.42 Pounds

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