



PATIENT PRESENTING CLINICAL SIGNS

Sweetie Puzinas History:Chronic vomiting

CBC/Chem panel: T4 unremarkable

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline *Urinary System*

BREED

Domestic Shorthair

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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

No evidence of pathology in the area of the aortic trifurcation.

FS

Normal size and margination was 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 3.9 cm in length. The right kidney measured 4.1 cm in length.

AGE

4 years

Adrenal Glands

WEIGHT

8.3 Pounds

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.40 cm width.

No overt pathology in the area of the left adrenal gland.

INTERPRETED BY

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

Spleen

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 0.75 cm width.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

Liver / Gallbladder

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

Easton AH

Gastrointestinal

REFERRING VET

Dr. Nankman

The stomach exhibited intact yet subjective mild prominent wall layering. The lumen of the stomach was empty without evidence of retained ingesta, fluid, or foreign material. The gastric body wall width measured 0.30 cm. The pylorus wall measured 0.30 cm width.

INVOICE

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The small intestine exhibited intact wall layering with primarily maintained 1:3 muscularis/mucosa ratio. The segmental intestinal tract exhibited propensity for mild altered 1:3 muscularis/mucosa ratio owing to segmentally prominent muscularis layer. The intestinal wall within the areas of mild muscularis hypertrophy measured 0.28 cm width. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The jejunum wall width measured 0.2 cm and the duodenum wall width measured 0.25 cm.

DATE

9.3.2021



PATIENT

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

Sweetie Puzinas

Pancreas

The pancreas presented subtly prominent in size with normal contour with mild uniform hypochoic parenchyma compared to adjacent omentum. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES

Feline

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREED

Domestic Shorthair

ULTRASONOGRAPHIC FINDINGS

SEX

FS

AGE

4 years

- Mildly prominent yet intact gastric walls - possible gastritis.
- Suspect segmental mild inflammatory enteropathy - potential mild segmental IBD.
- Mildly prominent to subtle hypochoic pancreas - nonspecific, patient variant, minor parenchymal remodeling owing to previous inflammation or possible low grade chronic active inflammation.

WEIGHT

8.3 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Additional considerations in this case may include dietary intolerance/food hypersensitivity or potential occult parasitism if the patient is indoor/outdoor. Canned limited antigen to hydrolyzed diet, as needed gastroprotectant, broad spectrum deworming may prove beneficial. Heartworm testing may be considered as cats with underlying heartworm disease often exhibit chronic vomiting. Gastrointestinal biopsies with potential use of intraoperative ultrasound to identify areas of subtle small intestinal altered wall layering may be required for a definitive diagnosis.

INTERPRETED BY

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HOSPITAL NAME

Easton AH

REFERRING VET

Dr. Nankman

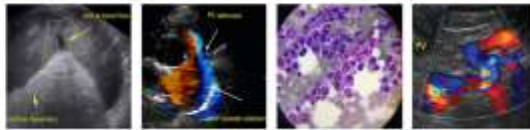
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PATIENT

Sweety Puzinas

SPECIES

Feline

BREED

Domestic Shorthair

SEX

FS

AGE

4 years

WEIGHT

8.3 Pounds

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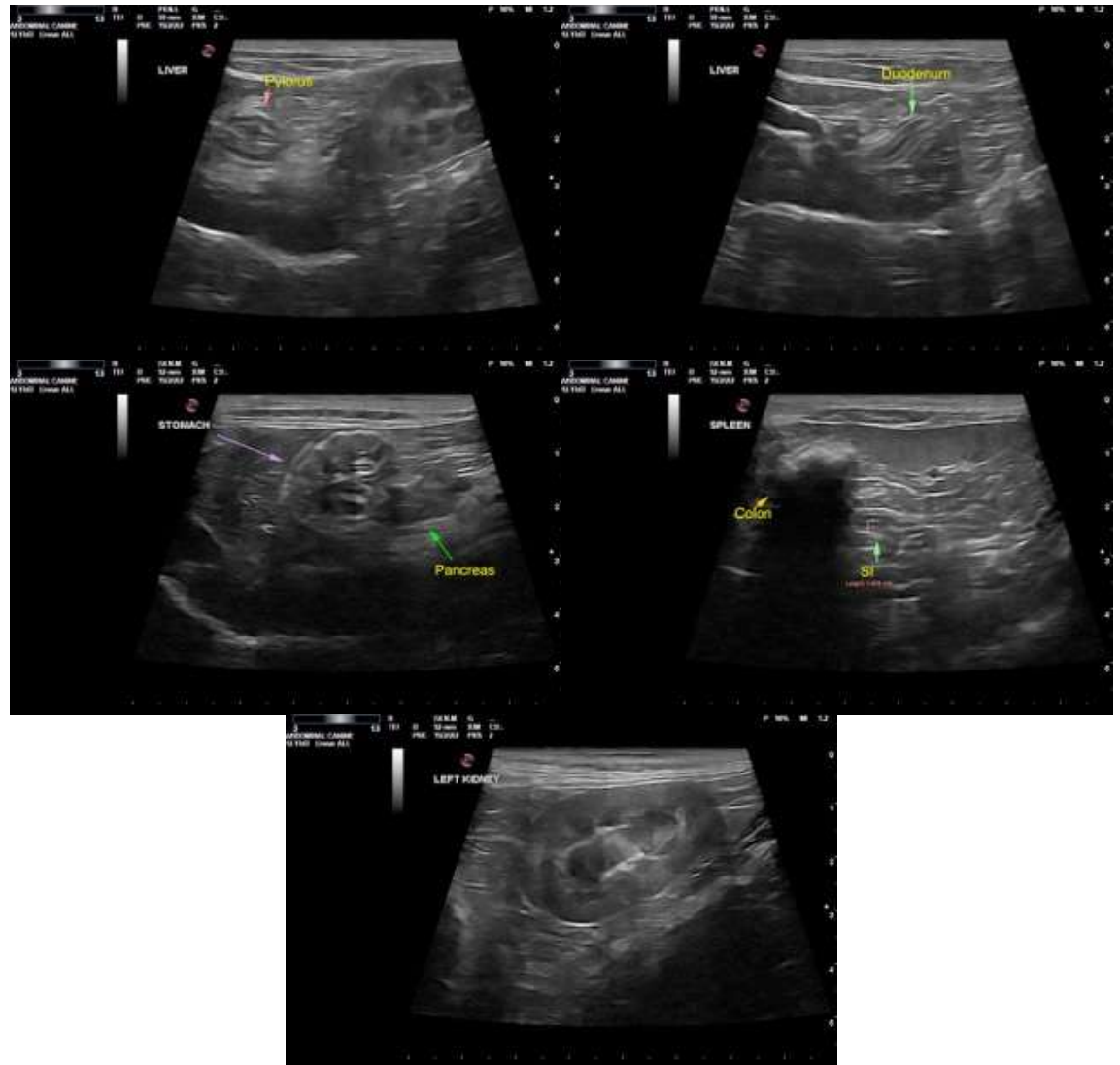
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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