

**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Teddy McMahon  
**SPECIES** Feline  
 Coughing/wheezing. Grade II/VI systolic murmur; moderately increased lung sounds. Radiographs: increased vascular/bronchial pattern; heart WNL. Aerophagia with gas distended stomach. Digesta-filled intestines. Very thin along spine with minimal fat or musculature. BW: ALB 2.3; SOD 159; AMY 1354; WBC 24.4; RBC 5.4; NEU 86; Lymph 6; Absolute neu 20984, absolute eos 1464. \*Having bi-cavity ultrasound exams.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

**BREED** Maine Coon  
**SEX** Neutered Male  
 The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – 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.

**AGE** 12 Years  
 Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. Scant pyelectasia noted in both kidneys. The left kidney measured 5.1 cm.

*Adrenal Glands*

**WEIGHT** 6.81 kg  
 The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.58 cm. The right adrenal gland measured 0.54 cm.

*Spleen*

**INTERPRETED BY** R. McKenzie Daniel, DVM, DABVP (Canine and Feline)  
 The spleen exhibited subjective borderline enlargement (1.1 cm in width at the level of the hilus) and 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.

**IMAGING PERFORMED BY** *Liver*

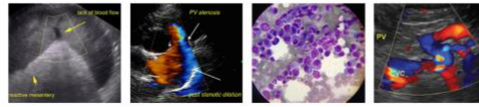
**HOSPITAL NAME** Pamela Harrigan, RDCS  
 Wignall AH  
 The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. Mild non-mineralized luminal debris present. The cystic biliary duct exhibited minor dilation into the common bile duct. The common bile duct was sonographically normal without evidence of concurrent dilation.

**REFERRING VET** *Gastrointestinal*

**REFERRING VET** Dr. Alyssa Cramb  
 The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. Gastric body wall measured 0.25 cm.

**INVOICE** 37800  
 The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Jejunum wall measured 0.23 cm. Ileocolic wall measured 0.39 cm.

**DATE** 5/19/22  
 Normal visible colon wall layers were present with apparent formed feces in lumen.



**PATIENT**

Teddy McMahon

**Pancreas**

**SPECIES**

Feline

The left pancreatic limb extending into the pancreas base exhibited normal size and contour. Subtle hypoechoic parenchyma noted compared to adjacent non-reactive peripancreatic omentum. Minor pancreatic duct dilation.

**BREED**

Maine Coon

**Free Abdomen**

Subtle evidence of peri ileocolic reactive mesentery and minor benign/reactive colic lymph nodes. No evidence of lymphatic inflammatory or neoplastic criteria.

**SEX**

Neutered Male

No evidence of effusion or omental masses.

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

12 Years

- Mild chronic renal changes exhibiting scant pyelectasia – Pyelectasia of the left/right kidney could be consistent with pyelonephritis, chronic renal disease, secondary to PU/PD or fluid therapy (if applicable), other.
- Possible low-grade pancreatitis
- Overtly normal gastrointestinal tract
- Non-specific borderline splenomegaly – normal patient variant, benign hyperplasia, hematopoiesis. Incidental splenitis with neoplastic criteria considered less likely.
- Mild gallbladder debris with minor, likely incidental cystic duct dilation - The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis.

**WEIGHT**

6.81 kg

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A GI panel to include PLI, TLI, cobalamin and folate could be considered for further assessment of the pancreas as well as to assess for occult gastrointestinal disease, given the patient's loss of muscle mass along the spine, or if clinical concern for underlying intestinal disease. Likewise, if evidence of weight loss or evidence of persistent to progressive splenomegaly, screening ultrasound guided FNA of the spleen (assuming normal clotting status and using 25-gauge needle), primarily to ensure only benign changes are present, could be considered.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Wignall AH

**REFERRING VET**

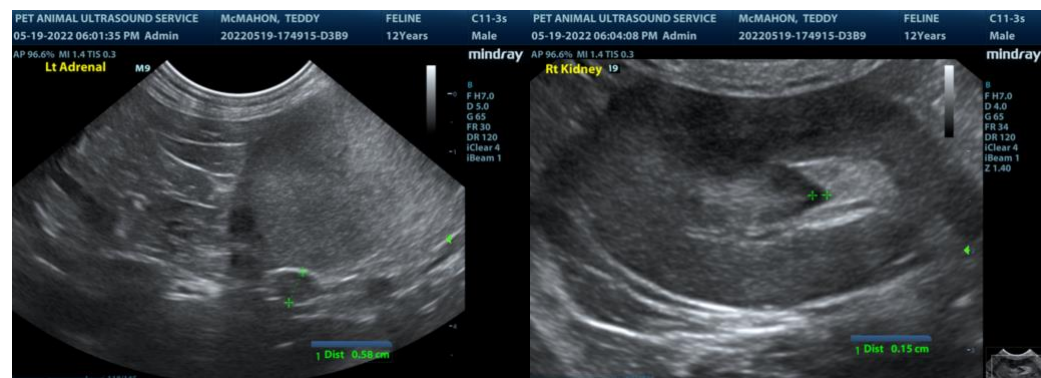
Dr. Alyssa Cramb

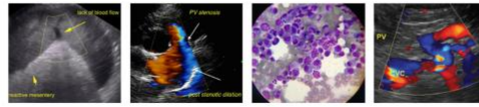
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**DATE**

5/19/22





**PATIENT**

Teddy McMahon

**SPECIES**

Feline

**BREED**

Maine Coon

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

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**IMAGING PERFORMED BY**

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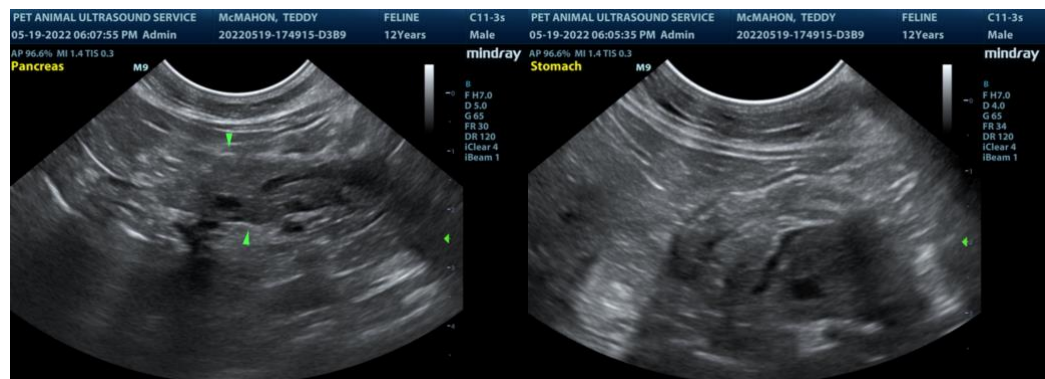
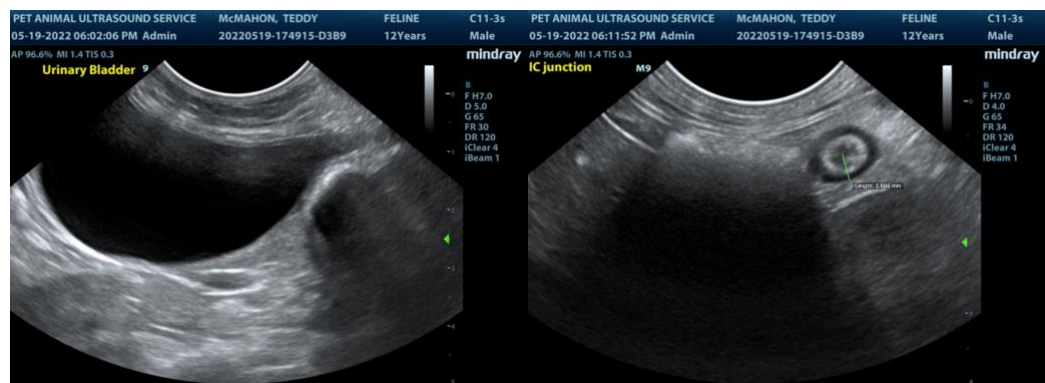
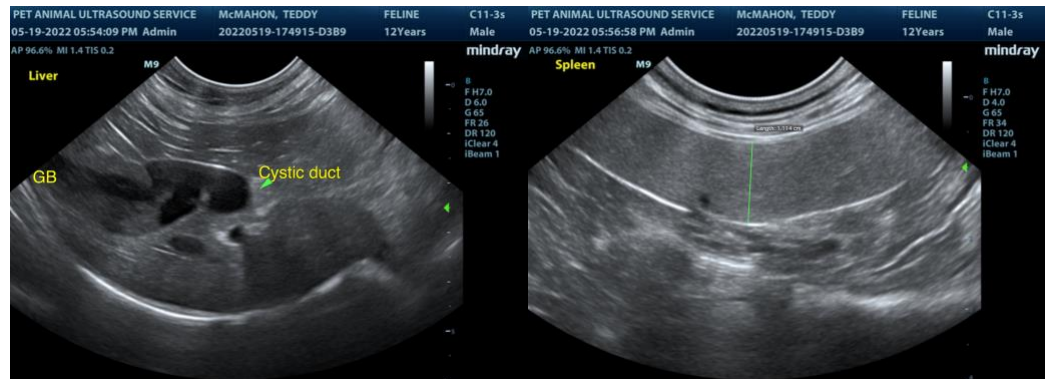
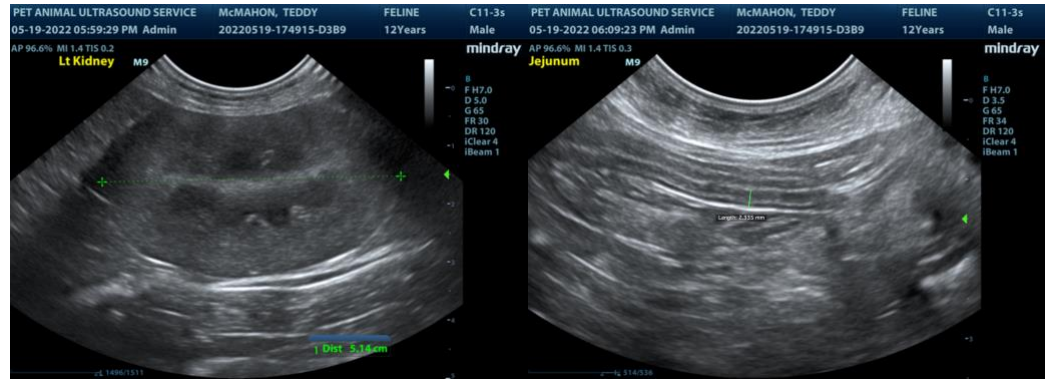
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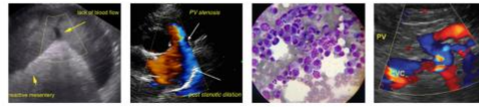
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**PATIENT**

Teddy McMahon

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.

**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.

**BREED**

Maine Coon

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
info@SonoPath.com

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

6.81 kg

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DABVP (Canine and Feline)

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