

**PATIENT PRESENTING CLINICAL SIGNS**

Moo MacDonald History: Anorexic weight loss and muscle wasting Patient had difficulty breathing in dorsal recumbancy

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Severe hypocalcemia and mod elevation liver enzymes

Feline **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN AND LIMITED HEART**

**BREED** *Cardiac Presentation*

DSH No overt evidence of left heart chamber enlargement with subjectively normal LV systolic function. A large hypoechoic to nonhomogeneous mass was present in the area of the cranial mediastinum measuring 5-5.5 cm in diameter. Subjective mild volume concurrent pleural free fluid was present.

**SEX** *Urinary System*

FS The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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 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. No evidence of pelvic dilation was present. The left kidney measured 3.9 cm in length. The right kidney measured 3.6 cm in length.

**WEIGHT**

3.3 kg

The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

*Adrenal Glands*

R. McKenzie Daniel, DVM, DABVP (Canine and Feline) The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.48 cm. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.43 cm.

**IMAGING PERFORMED BY**

Dr. Belan

*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 0.85 cm in width at the level of the hilus.

**HOSPITAL NAME**

Animal Clinic  
Downtown

*Liver*

**REFERRING VET**

Dr. Waldman

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content containing mild debris. The cystic and common bile ducts were normal.

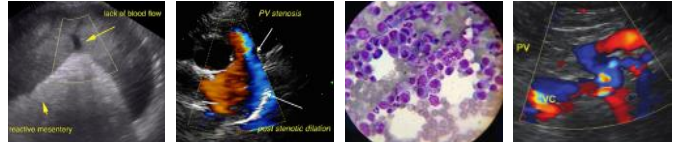
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*Gastrointestinal*

**DATE**

06/21/2022



**PATIENT**

Moo MacDonald

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. The gastric body wall measured 0.25 cm in width.

**SPECIES**

Feline

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. The ileocolic wall measured 0.26 cm in width. The small intestinal wall measured 0.2 cm in width.

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

**BREED**

***Pancreas***

DSH

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.

**SEX**

FS

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

12

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

3.3 kg

- Large cranial mediastinal mass-consistent with neoplastic criteria, suspect lymphoma
- Nonspecific hepatopathy
- Mild gallbladder debris-suspect owing to fasting or potential nonobstructive cholestasis
- Overtly normal cardiac structure and function
- Mild age-related kidneys

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

An ultrasound guided FNA of the cranial mediastinal mass assuming normal clotting status for cytology and potential oncology consult is recommended. FeLV/FIV testing is suggested if not already done. Concurrent liver FNA using a 25g needle for screening cytology given the elevated liver enzymes and assessment for possible multicentric neoplasia is recommended.

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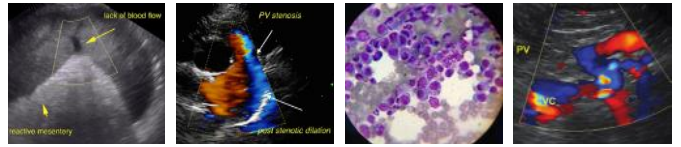
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**AGE**

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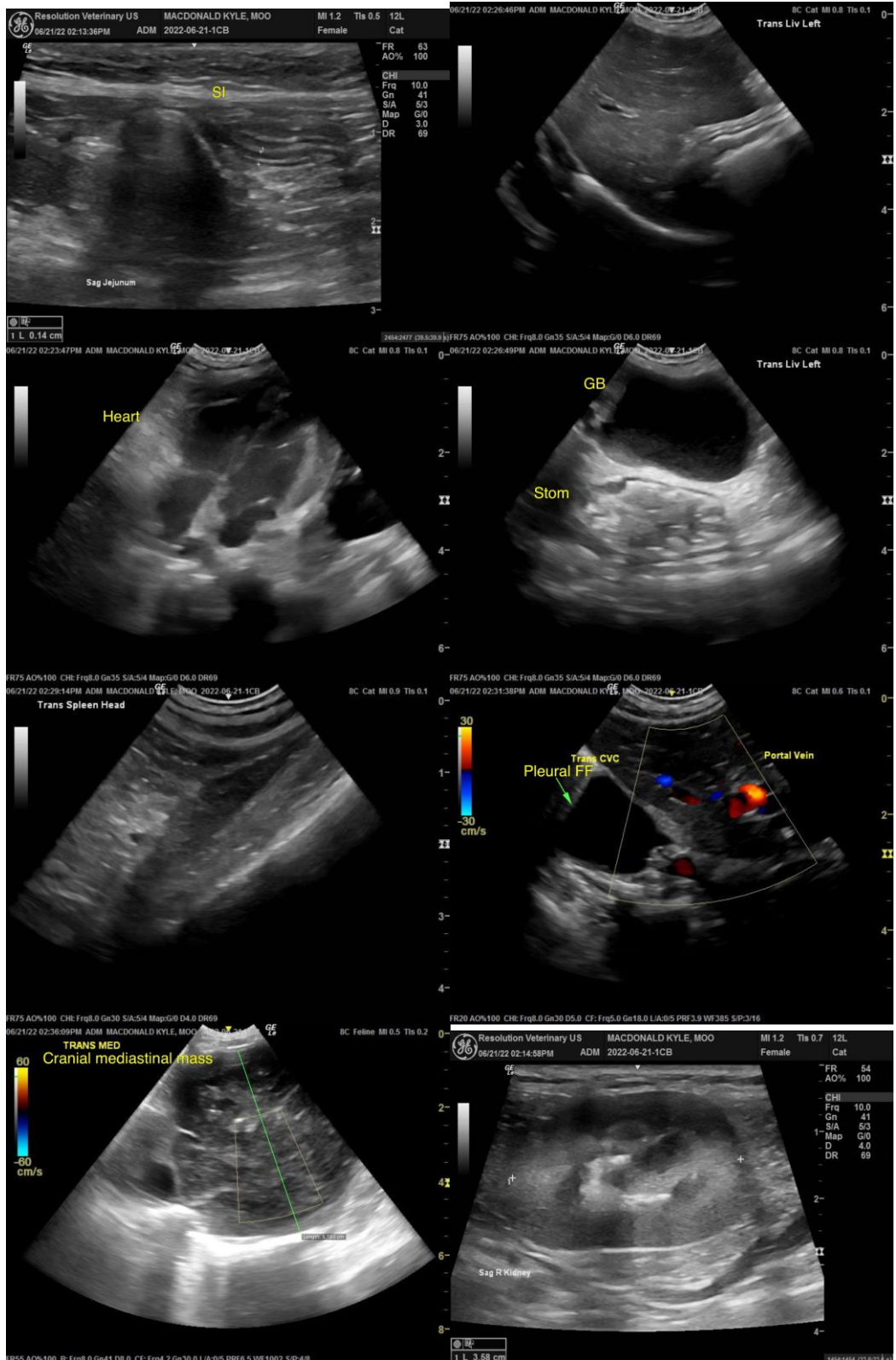
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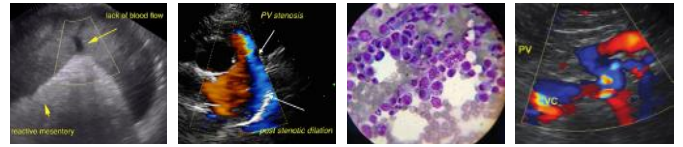
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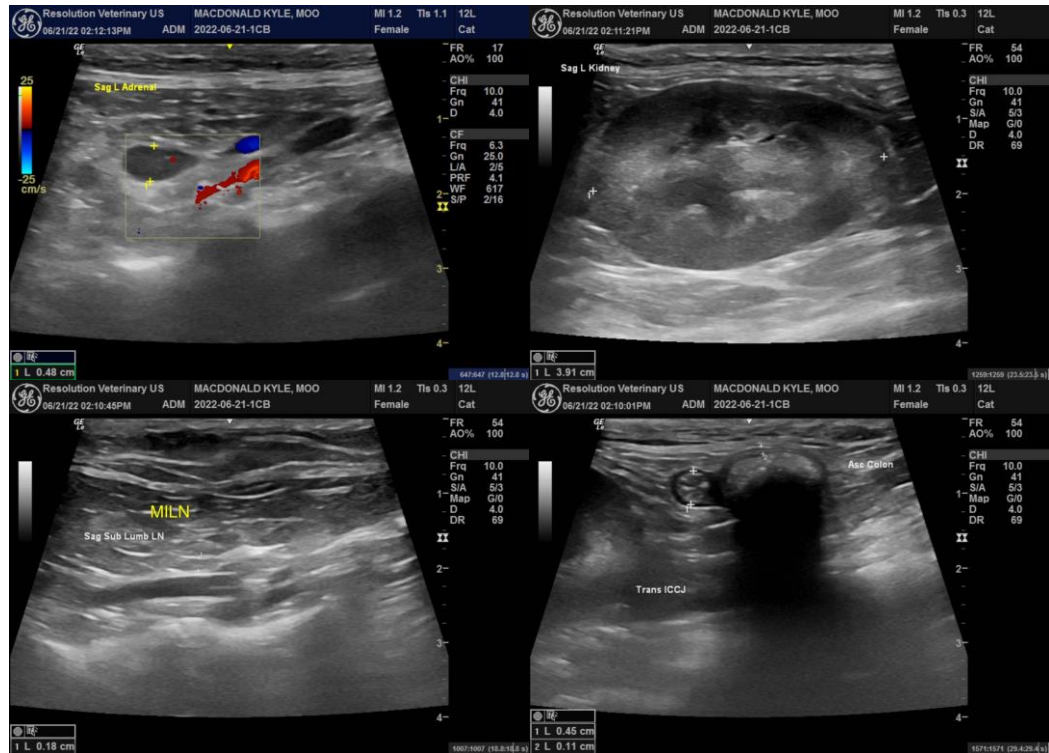
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

info@SonoPath.com