



**PATIENT PRESENTING CLINICAL SIGNS**

Gary Casuccio

History: Was seen at different emerg clinic overnight, now closed so minimal history available. Leaking stool in carrier and all-around tail. Very distended abdomen and very uncomfortable on for scan. Other emerg clinic called to say that on a quick AFAST scan they thought they saw an abdominal mass. Owner wishing to confirm transfer to HREV for scan with Focal Zone.

**SPECIES**

Feline

Abnormal PE/Chem/CBC/UA Results: n/a

**BREED**

Russian Blue X Persian

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX**

Neutered Male

The urinary bladder was subnormal in size owing to lack of urine distention. No overt pathology associated with the urinary bladder. The urethra was normal to a depth of 2.0 cm. Aortic trifurcation was normal.

**AGE**

13 Years

Normal size and margination were 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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.7 cm in length. The right kidney measured 4.7 cm in length.

**WEIGHT**

4 kg

**Adrenal Glands**

The left and right adrenal glands were not definitively visualized, owing to regional periadrenal increased omental artifact and pathology.

**INTERPRETED BY**

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

**Spleen**

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

**IMAGING PERFORMED BY**

Crystal Hill

**Liver**

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.

**HOSPITAL NAME**

Hamilton REC

**REFERRING VET**

Dr. Bourque

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild retained non-shadowing /chyme without signs of obstruction or foreign material.

**DATE**

4/19/22

Sonographic evaluation of the small intestine and generalized cranial mid and caudal abdomen revealed multifocal to diffuse nonhomogeneous to mixed echogenic masses, which appear to be involving the majority of the small intestine and potentially the colon. An example of nonhomogeneous mass,



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exhibiting asymmetrical margination, measured approximately 9.0 cm in length x 4.5 cm in width. Additional masses, exhibiting mild centralized fluid component, suggestive of intestinal lumen, measured up to 1.5 cm wall width. Discernable small intestine exhibited intact yet thickened walls, exhibiting altered wall layering. An example of small intestinal wall measured 0.41 cm.

**SPECIES**

Feline

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

**Pancreas**

**BREED**

Russian Blue X Persian

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**

Neutered Male

**Free Abdomen**

Generalized, primarily periintestinal reactive mesentery was present, along with scant to minor volume peritoneal free fluid.

**AGE**

13 Years

Concurrent, unspecified, spherical to homogeneous mass in the subjective mid to cranial abdomen, potentially within the area of the pancreas, measuring approximately 5.0 cm in diameter, was present.

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

4 kg

- Multifocal to diffuse variably sized yet generally large, nonhomogeneous to mixed echogenic intestinal mass/masses
- Thickened, discernable small intestinal wall, exhibiting altered wall layering
- Unspecified, homogeneous to spherical mass in the mid to cranial abdomen and the area of the pancreas-potential pancreatic mass or large concurrent lymphadenopathy
- Generalized, primarily periintestinal reactive mesentery and scant to mild free fluid

**INTERPRETED BY**

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DABVP (Canine and  
Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**IMAGING PERFORMED BY**

Crystal Hill

Unfortunately, this study reveals significant to diffuse pathology involving the generalized small intestine and potentially colon, along with concurrent lymphadenopathy or potential pancreatic involvement.

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Although sampling is required for a definitive diagnosis, this presentation is most consistent with multicentric neoplasia, although severe inflammatory or potential granulomatous (dry form FIP) etiologies are possible. Given the extent of the pathology, surgical options are likely precluded. Cytology could be considered with potential for oncology consult pending neoplasia confirmation, however, an unfavorable prognosis is likely indicated.

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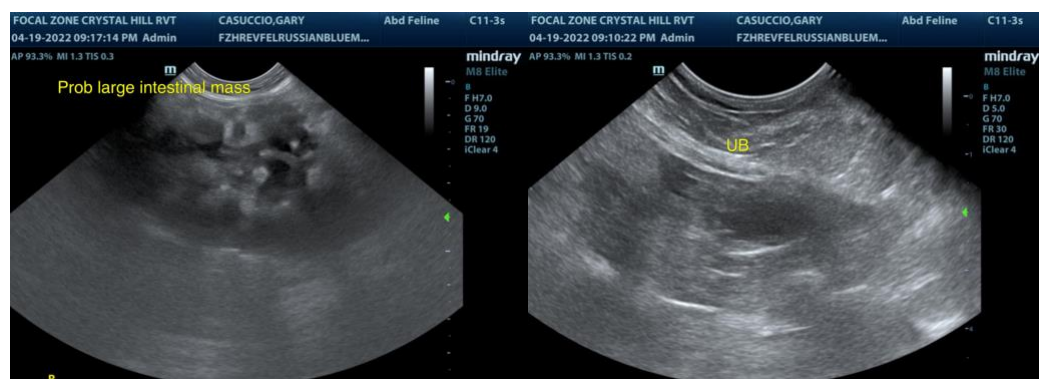
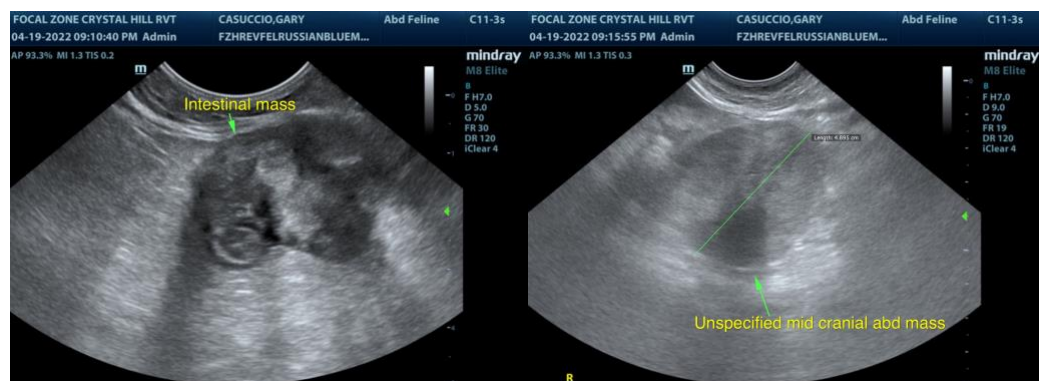
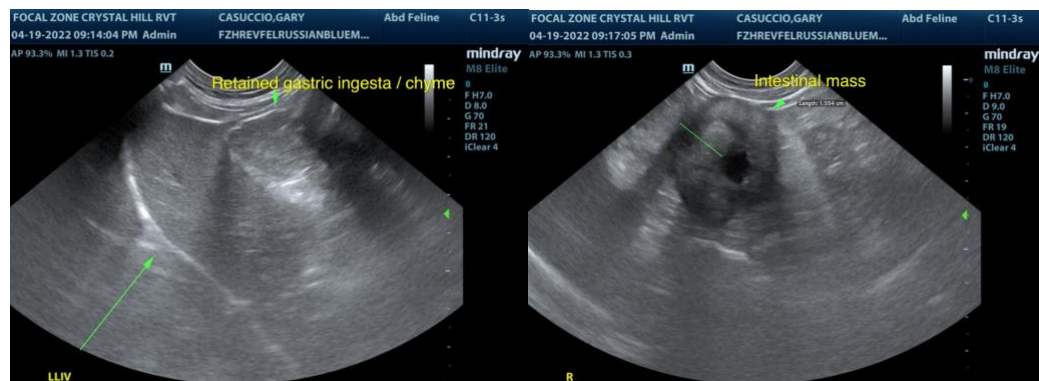
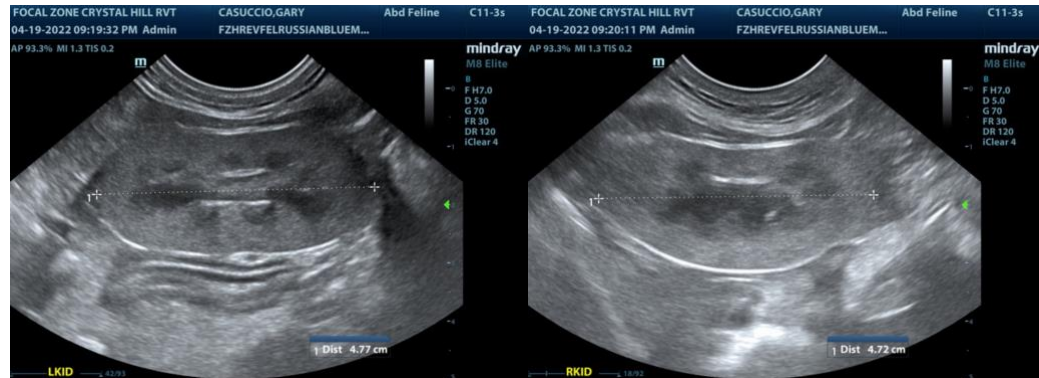
Dr. Bourque

**INVOICE**

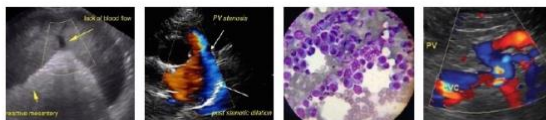
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

#### SPECIES

Feline

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**info@SonoPath.com**

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#### SEX

Neutered Male

#### AGE

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#### WEIGHT

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