



**PATIENT**

Bones Beltramine

**PRESENTING CLINICAL SIGNS**

History: mass effect on rads; continual vomiting  
Abnormal PE/Chem/CBC/UA Results: mild anemia, lymphopenia, elevated SDMA. FNA of spleen and largest LN mass performed

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

**BREED**

Domestic Shorthair

**SEX**

Neutered male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 3.49 cm. The right kidney measured 3.5 cm.

**AGE**

13 years

**WEIGHT**

8.4 lbs

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.36 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

**Spleen**

The **spleen** is enlarged and measured 1.26 cm.

**HOSPITAL NAME**

Advanced VC

**Liver**

The **liver** was enlarged, uniform and hypoechoic to the falciform fat. Micronodular changes were noted throughout the liver. This is strongly suggestive for infiltrative disease. The gallbladder was unremarkable. The common bile duct was normal and measured 0.2 cm.

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**Gastrointestinal**

**DATE**

11/17/21

The **gastrointestinal tract** revealed diffuse mural thickening with hypertrophied muscularis. A mesenteric root lymph node mass measured 5.0 x 4.0 cm was noted. The mesenteric root lymph node mass was undifferentiated. Free fluid was noted in the abdomen likely owing to lymphatic obstruction.



**PATIENT**

**Pancreas**

Bones Beltramine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**SPECIES**

Feline

**Free Abdomen**

**BREED**

Domestic Shorthair

Reactive mesentery was noted throughout the midabdomen.

**SEX**

Neutered male

**Thorax**

Pleural effusion was noted.

**AGE**

13 years

**ULTRASONOGRAPHIC FINDINGS**

Pleural effusion.

Reactive mesentery.

**WEIGHT**

8.4 lbs

Enlarged, hypoechoic liver with micronodular changes.

Enlarged spleen.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ultrasound-guided FNA of the lymph node mass and spleen were performed without complication. Pleural effusion is likely owing to dual cavity neoplasia. Round cell neoplasia is suspected.

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**HOSPITAL NAME**

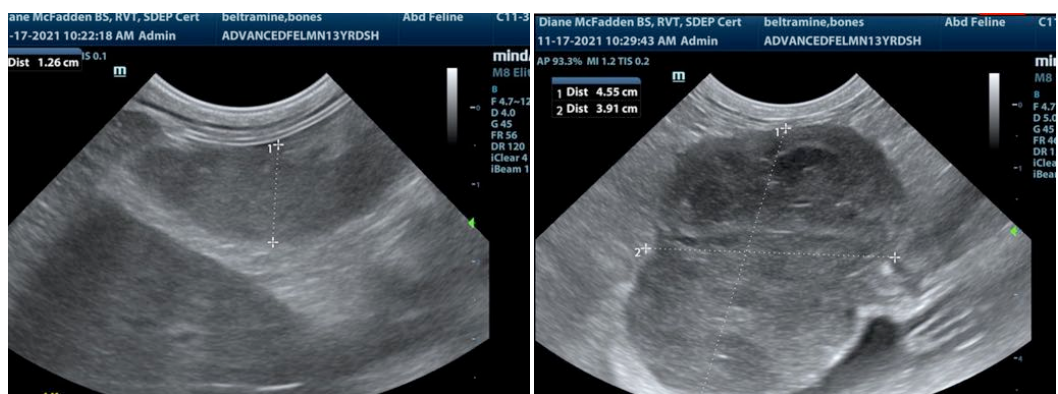
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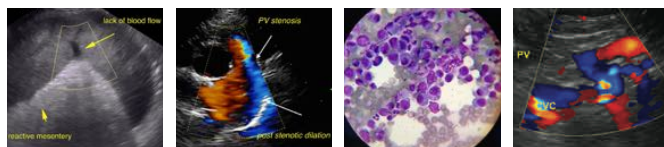
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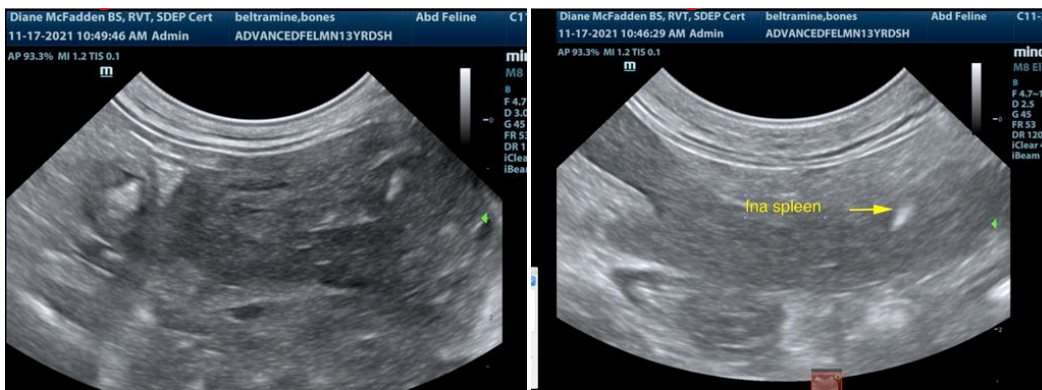
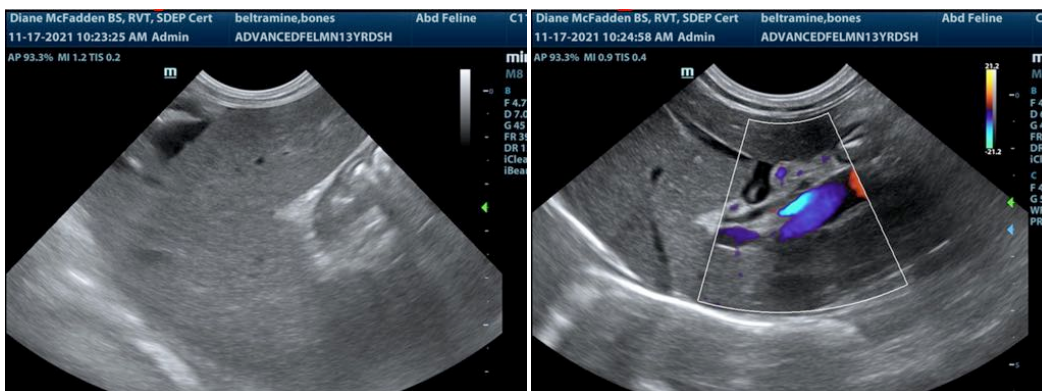
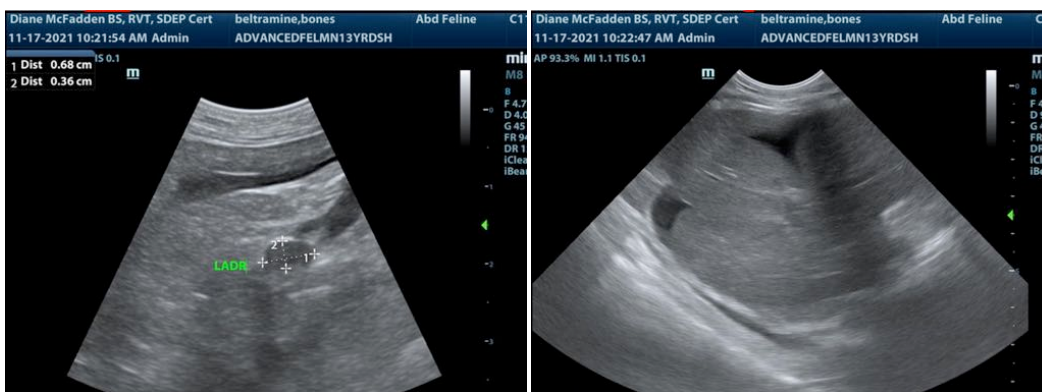
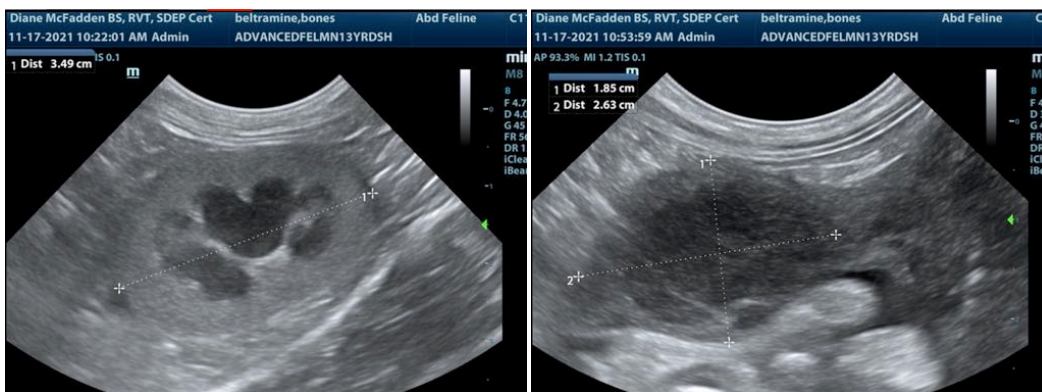
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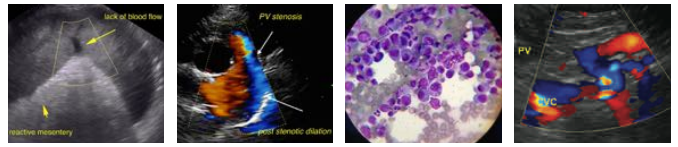
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
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