



**PATIENT PRESENTING CLINICAL SIGNS**

Louie Levitt Previous hx of Calcinosis cutis and Iatrogenic Cushing's. Referred for ultrasound due to 3 week hx of vomiting, diarrhea and palpable abdominal mass

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

The **urinary bladder**, revealed minor wall thickening. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. A minor amount of sand and suspended and dependent debris was noted.

Bulldog

**SEX**

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 right kidney measured 6.47 cm. The left kidney measured 6.0 cm.

Male

**AGE**

5 years

**Adrenal Glands**

**WEIGHT**

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 0.43 cm. The right adrenal gland measured 0.42 cm at the caudal pole and 0.6 cm at the cranial pole.

40 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

**IMAGING PERFORMED BY**

The **spleen** revealed a hypoechoic 5.0 cm cystic and nodular mass. The spleen presented with scalloping contour and enhanced surrounding mesentery and irregular parenchyma. This is strongly suggestive for infiltrative disease/lymphoma especially given the gastric presentation.

Dr. Gunther

**HOSPITAL NAME**

New Frontier Animal  
Medical Center

**Liver**

**REFERRING VET**

Dr. Gunther

The **liver** was mildly swollen with slight, coarse architecture. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. The hepatic lymph nodes were slightly enlarged.

**INVOICE**

**Gastrointestinal**

99446

The **stomach** revealed concentric wall thickening that measured up to 1.64 cm with complete loss of structural detail. The small intestines and colon were unremarkable.

**DATE**

4/21/22



**PATIENT**

**Pancreas**

Louie Levitt

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**

Canine

**Free Abdomen**

**BREED**

Bulldog

Regional inflammation was noted throughout the cranial abdomen associated with the spleen, pancreas and stomach. A slight amount of free fluid was noted.

**SEX**

Male

**ULTRASONOGRAPHIC FINDINGS**

Spleno, gastric infiltrative pattern with splenic mass.

Slight free fluid was noted.

**AGE**

5 years

Probable hepatic involvement.

**WEIGHT**

40 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the general spleen, liver and gastric wall are all indicated. This is most consistent with multi-centric round cell neoplasia/lymphoma.

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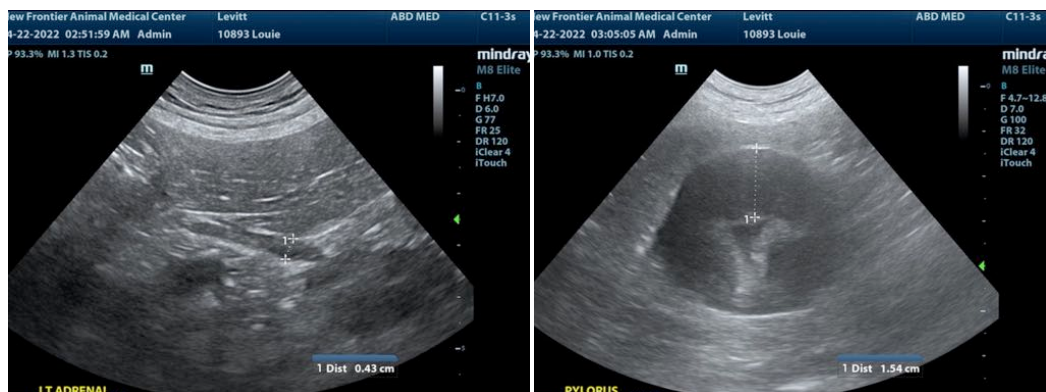
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**PATIENT**

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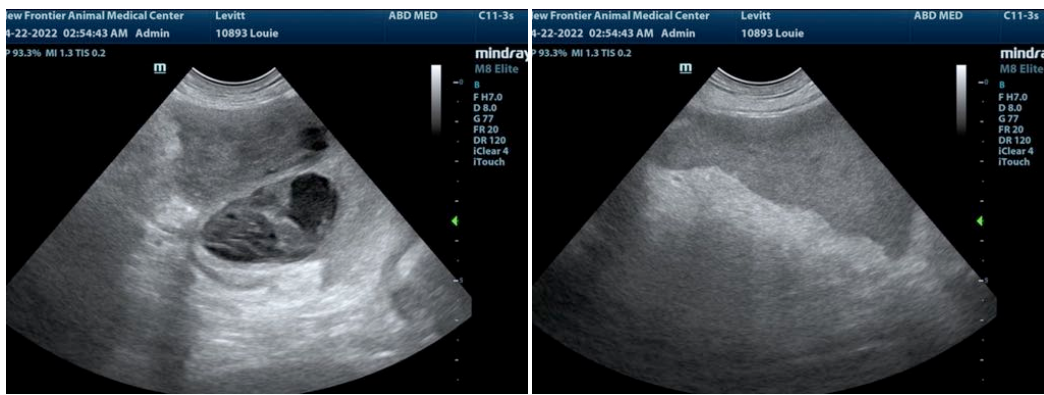
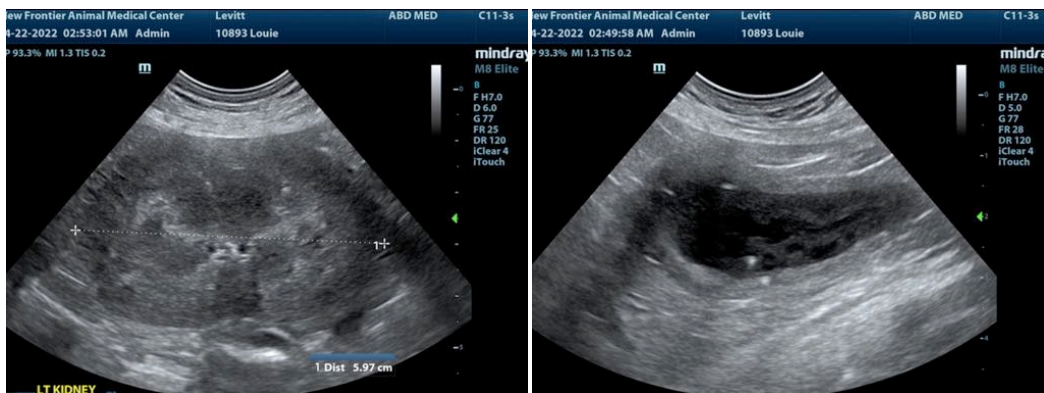
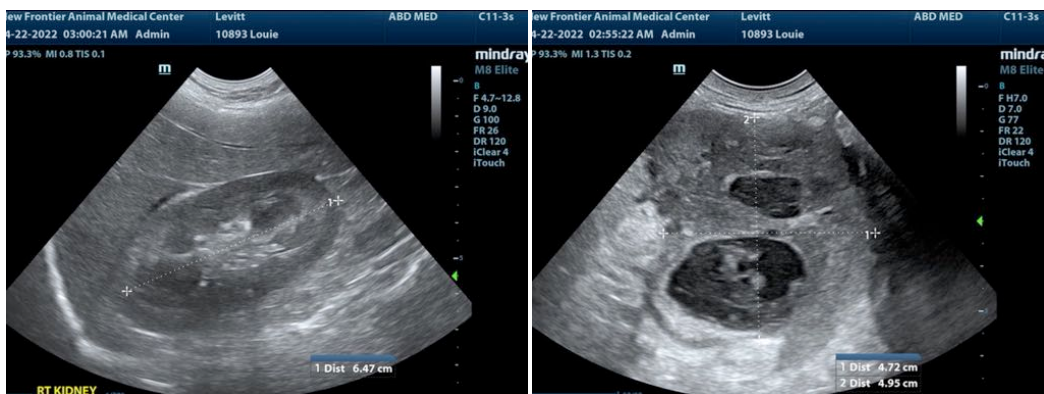
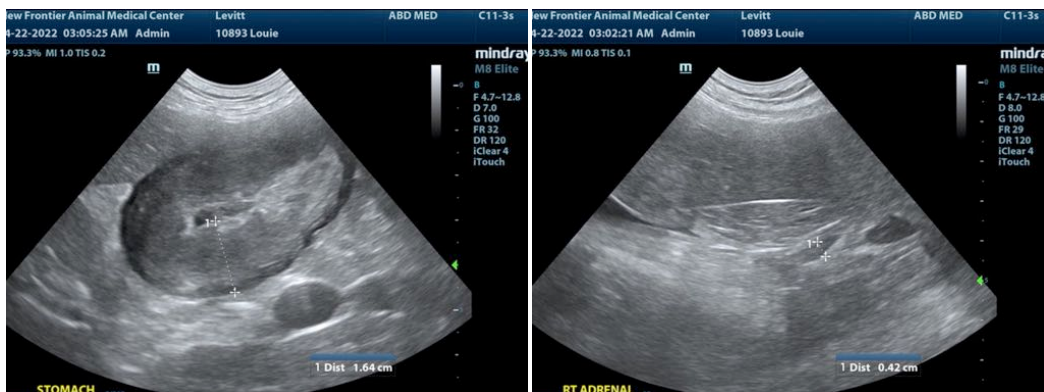
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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