



**PATIENT PRESENTING CLINICAL SIGNS**

Roxy McSherry

History: History of Atopy, responds to cytopoint. History of IMHA 2016 no relapses. History of Mast cell tumor high proliferation Right chest November 30,2017. History of cutaneous Hemangiosarcoma perivulvar Aril 28, 2020. History of rare epistaxis. May 19, 2023 history of decreased appetite and polydypsia. June 14, 2023 rectal small firm mass right ventral anal gland area, palpable right sublumbar lymph node.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Last abdominal ultrasound by oncologist Dr. Kozicki September 7, 2021 multiple homogenous hypoechoic nodules present throughout the hepatic parenchyma and is stable from previous scans, loss of renal corticomedullary distinction, 9x8mm anechoic cyst caudal pole right kidney. May 19, 2023 exam pink/brown 103 and 404, resists hip extension. CBC anemia 3.3% (37.3-61.7). Chemistry Calcium 15.7 (7.9-12), Total protein 8.5 (5.2-8.2), Albumen 4.1 (2.2-3.9), ALT 518 (10-125), ALKP 641 (23-212), T4 normal. Abdominal radiographs enlarged sublumbar lymph node. May 30, 2023 Malignancy profile MSU iCalcium 1.81 (1.25-1.45), Normal PTH, elevated Parathormone related protein 6.7 (0-1). June 14, 2023 thoracic radiographs no metastatic lesions seen, mediastinum normal width.

**BREED**

Pitbull Mix

**SEX**

Spayed female

**AGE**

11 years

**WEIGHT**

73 lbs

**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.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. An anechoic cyst was noted and measured 0.5 cm at the caudal pole of the left kidney. The right kidney measured 6.5 cm and the left kidney measured 6.3 cm.

**IMAGING PERFORMED BY**

Dr. Brenner

**Adrenal Glands**

**HOSPITAL NAME**

Riverside AC

The left **adrenal gland** was uniform and measured 2.26 x 0.55 cm at the cranial pole and 0.5 cm at the caudal pole. The right adrenal gland was slightly irregular and measured 1.6 x 1.13 cm at maximum width.

**REFERRING VET**

Dr. Brenner

**Spleen**

The **spleen** was mildly enlarged and slightly swollen. Subtle heterogenous parenchymal changes were noted. Given the iliac lymph presentation FNA is indicated.

**INVOICE**

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**Liver**

**DATE**

6/14/23

The **liver** in this patient revealed an expansive, undifferentiated mass with regional inflammation. The mass measured approximately 10+ cm. This may be pedunculated and appearing to be deriving from the



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caudate process especially in the right medial liver deviating the gastrointestinal tract ventrally. Other nodular changes were noted throughout the liver with capsular expansion. Disruption of architecture and deviation of the gallbladder was also noted with a mild amount of dependent debris.

**SPECIES**

Canine

**Gastrointestinal**

The visible **gastrointestinal tract** was unremarkable, yet it was deviated and obscured part of the mass.

**BREED**

Pitbull Mix

**Pancreas**

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.

**SEX**

Spayed female

**Free Abdomen**

**AGE**

11 years

The iliac lymph nodes are enlarged, irregular and hypoechoic. There is a strong concern for round cell neoplasia or metastatic disease. The iliac vasculature was normal without evidence of thrombosis.

**WEIGHT**

73 lbs

**ULTRASONOGRAPHIC FINDINGS**

Extensive liver mass with diffuse nodular changes. Not likely resectable.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUS

Portions of the liver and puffy cloud type appearance suggests of carcinoma.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA is warranted of the liver mass, iliac lymph nodes, spleen and deep cranial liver. Potential lobar torsion given the inflammation associated with the liver mass. Prognosis is poor.

**HOSPITAL NAME**

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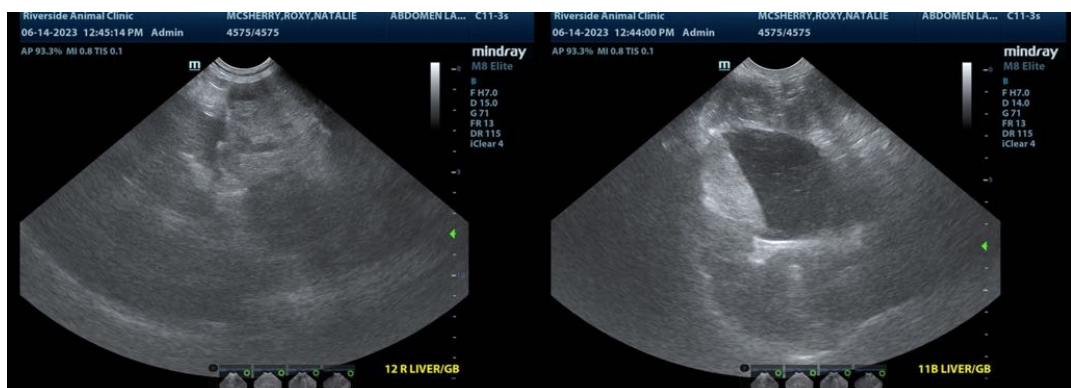
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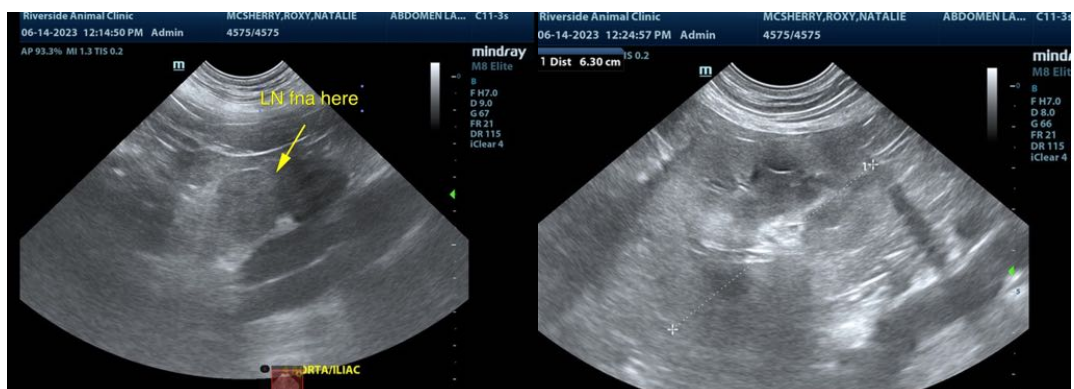
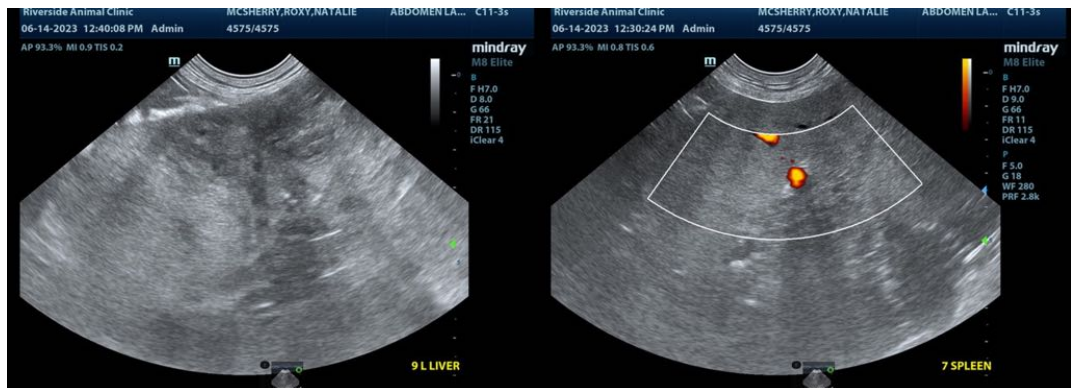
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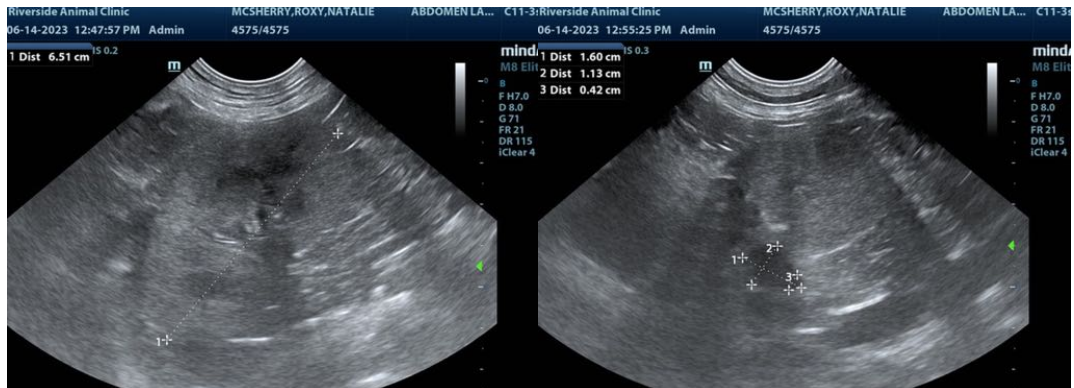
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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