



**PATIENT**

Mickey Quadrini

**PRESENTING CLINICAL SIGNS**

Weight loss and elevated liver enzymes.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Lhasa

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.

**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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.66 cm. The right kidney measured 5.5 cm.

**AGE**

11 years

**Adrenal Glands**

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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 1.47 x 0.47 cm. The right adrenal gland measured 1.67 x 0.8 cm at the cranial pole and 0.45 cm at the caudal pole.

**IMAGING PERFORMED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

**HOSPITAL NAME**

Franklin Lakes AH

The **spleen** was heterogenous with two separate, hypoechoic nodular changes. The larger nodule measured 0.83 cm.

**REFERRING VET**

Dr. Onesios

**Liver**

The **liver** revealed increased portal markings with coarse architecture. The gallbladder and common bile duct were unremarkable with isoechoic nodular changes that were non-disruptive.

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**Gastrointestinal**

**DATE**

3/7/23

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



**PATIENT**

**Pancreas**

Mickey Quadrini

Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxyphoid palpation reveals pain response. No overt masses were noted.

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**ULTRASONOGRAPHIC FINDINGS**

Undefined splenic nodules.

Acute on chronic inflammatory hepatopathy is suspected with a mild potential for neoplasia.

Pancreatic fibrosis.

Age related abdominal changes.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ultrasound-guided 25-gauge FNA of the spleen and liver was performed without complication. Treatment is recommended based on cytology results. Underlying splenitis, round cell neoplasia and hyperplasia are all potentials of the spleen.

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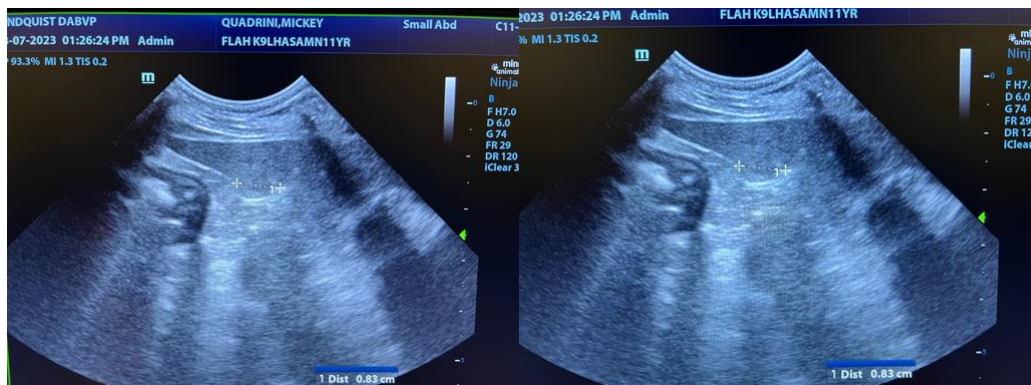
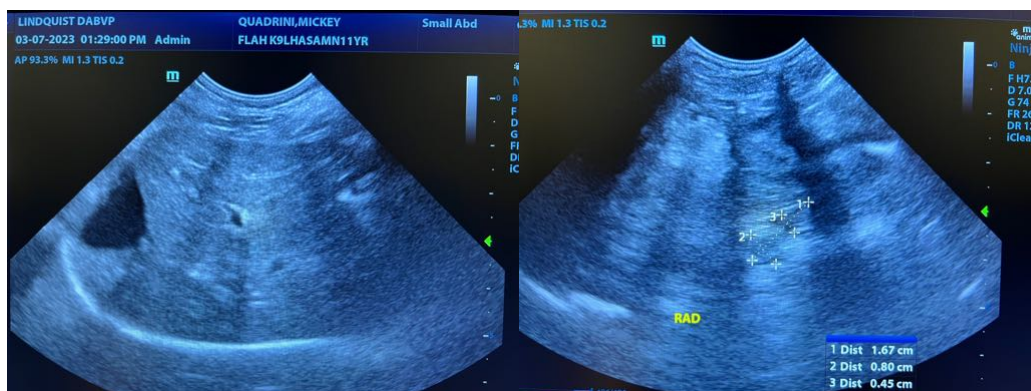
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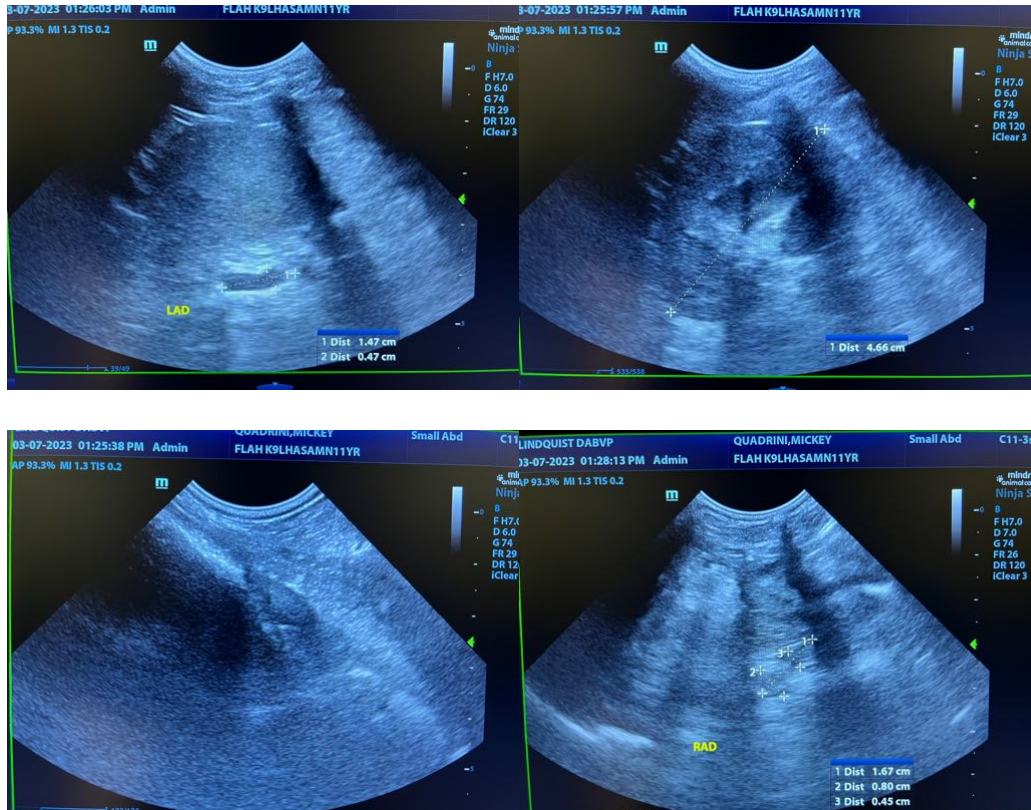
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**  
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