

**DATE PRESENTING CLINICAL SIGNS**

3/13/23

Having accidents in house every couple weeks.

Current Medications: Recommend to start an omega three fatty acid (welactin) and wrote a script this week for renal diet. Less than 1 week duration if started.

PATIENT

Lily Hurn

Lab Results: CREA - elevated-1.8, BUN- elevated- 44, SPG 1.009, Mild increase in retic- 133, Mild decrease monocytes and lymphocytes

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

SPECIES

Canine

Imaging Performed By: Rachel Brillhart, RDMS.

BREED

Mix

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.

SEX

Spayed female

The **kidneys** revealed normal structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. The capsules were acceptably uniform without significant irregularities. The right kidney revealed pyelectasia that measured 0.28 cm. The right kidney is severely subnormal in size and measured 2.44 cm. There was minimal blood flow to the right kidney on color flow assessment. The left kidney revealed moderate degenerative changes with trace pyelectasia. The left kidney measured 3.54 cm.

AGE

8/22/07

WEIGHT

11.1 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 1.9 x 0.7 cm at the caudal pole and 0.56 cm at the cranial pole. The right adrenal gland measured 1.56 x 0.55 cm at the caudal pole and 0.48 cm at the cranial pole.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**HOSPITAL NAME**

Warm and Fuzzy

Spleen

The **spleen** revealed a multi-focal, hyperechoic coalescing nodular changes that are consistent with lipogranulomas or infarcts.

REFERRING VET

Dr. Ullman

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

INVOICE

43260

Gastrointestinal

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.

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.

Heart

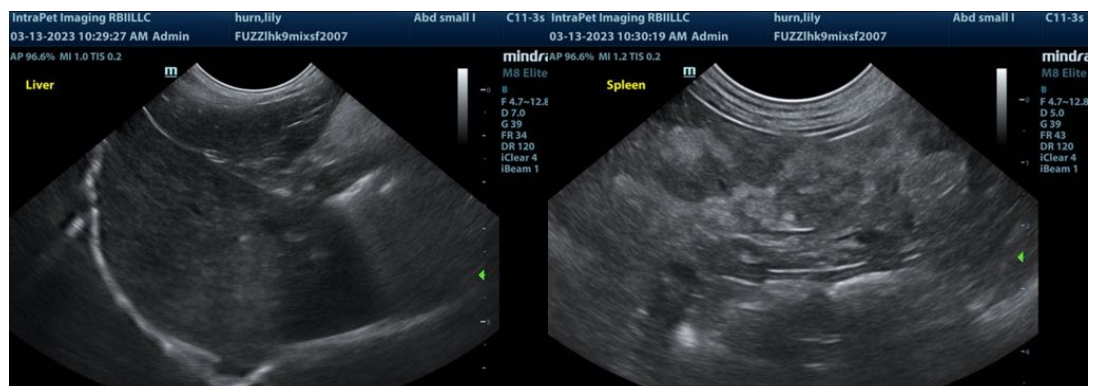
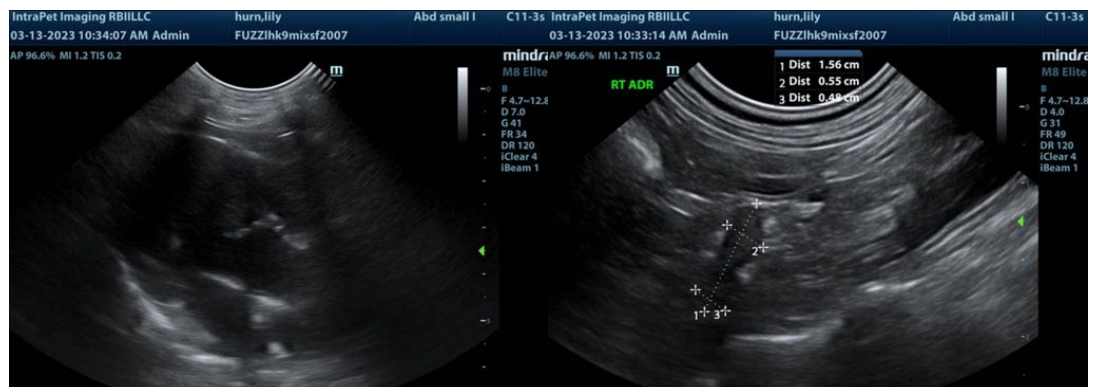
Rapid view of the heart revealed no evidence of pathology. Contractility and volumes were normal. There was no evidence of pericardial or pleural effusion.

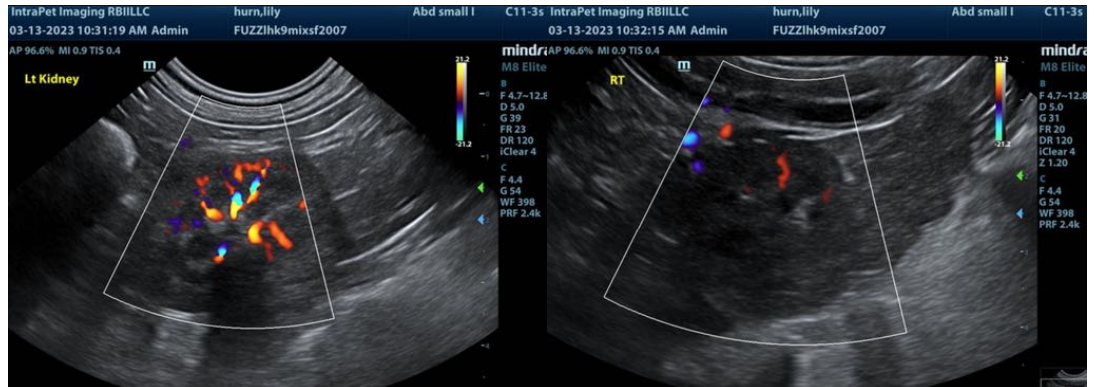
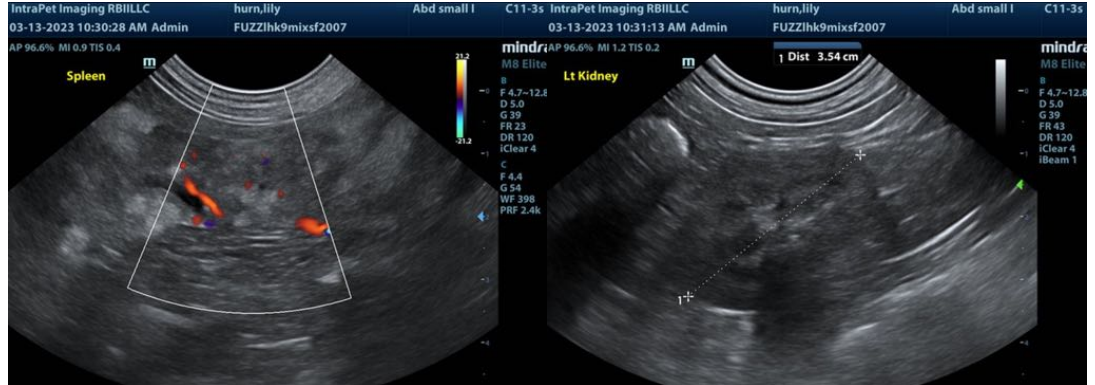
ULTRASONOGRAPHIC FINDINGS

Moderate to end stage degenerative renal disease on the right kidney and moderate on the left. Splenic nodular changes, likely benign.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen can be considered for further definition. Likely lipogranulomatous change, fibrosis with a mild potential for fibrosarcoma. I am most concerned about long term viability of the kidneys in this patient. No pleural effusion was noted. Urine culture and sensitivity would be warranted. Blood pressure measurements are warranted as well as a renal oriented diet. 72-hour IV fluid protocol should be considered to treat azotemia. Prognosis long term is guarded.





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.

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