

**DATE**

4/26/22

**PATIENT**

Penny Lewis

**SPECIES**

Canine

**BREED**

Jack Russell X

**SEX**

Spayed Female

**AGE**

4/25/10

**WEIGHT**

14.5 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Rachel Brilhart RDMS

**HOSPITAL NAME**

Animal Emergency  
Hospital

**REFERRING VET**

Dr. Martinoli

**INVOICE**

37181

**PRESENTING CLINICAL SIGNS**

Saw rDVM 5-6 days ago for vomiting and diarrhea; BW normal except mild elevation in ALP (288.) Is on heart meds for chronic valve problem as well as high blood pressure.

Current Medications: Metronidazole, Pimobendan, Enalapril, Cerenia, Protonix.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

**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 were noted. Ureteral papillae were normal.

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 5.04 cm.

**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 2.16 cm x 0.59 cm at the caudal pole and 0.62 cm at the cranial pole. The right adrenal gland measured 2.2 cm x 0.56 cm at the caudal pole and 0.73 cm at the cranial pole.

**Spleen**

The **spleen** presented scalloping contour and micronodular changes.

**Liver**

The **liver** was riddled with multiple hypoechoic nodular changes. Multiple coalescing nodules throughout the liver created parenchymal masses, non-resectable. Regional free fluid noted with enhanced surrounding mesentery.

**Gastrointestinal**

**Gastric** stasis noted with variable pyloric thickening. Variable intestinal thickening noted with areas of loss of mural detail. A mesenteric lymph node was enlarged, rounded and hypoechoic with distorted architecture, measuring 3.3 cm x 1.2 cm.

**Pancreas**

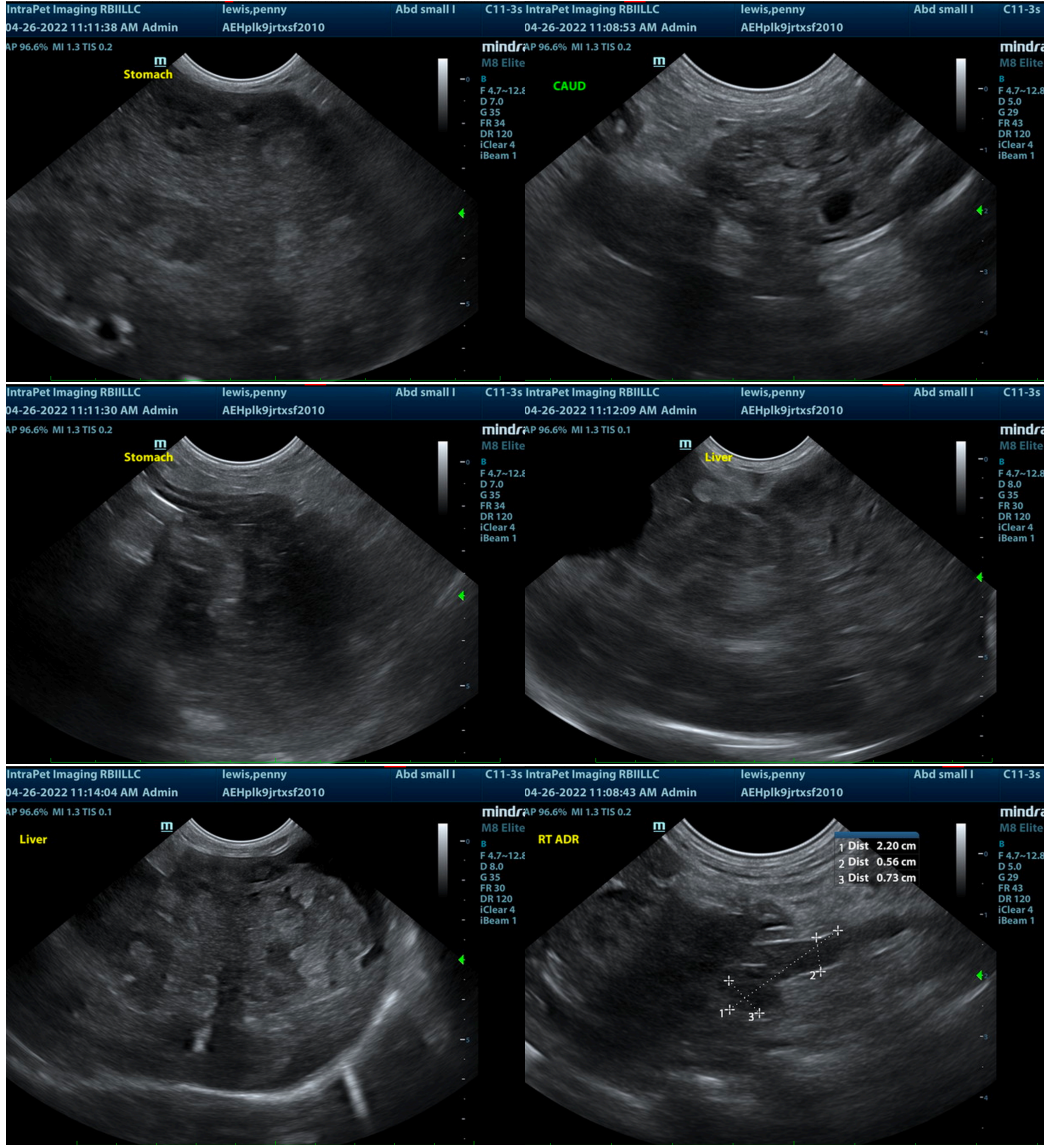
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

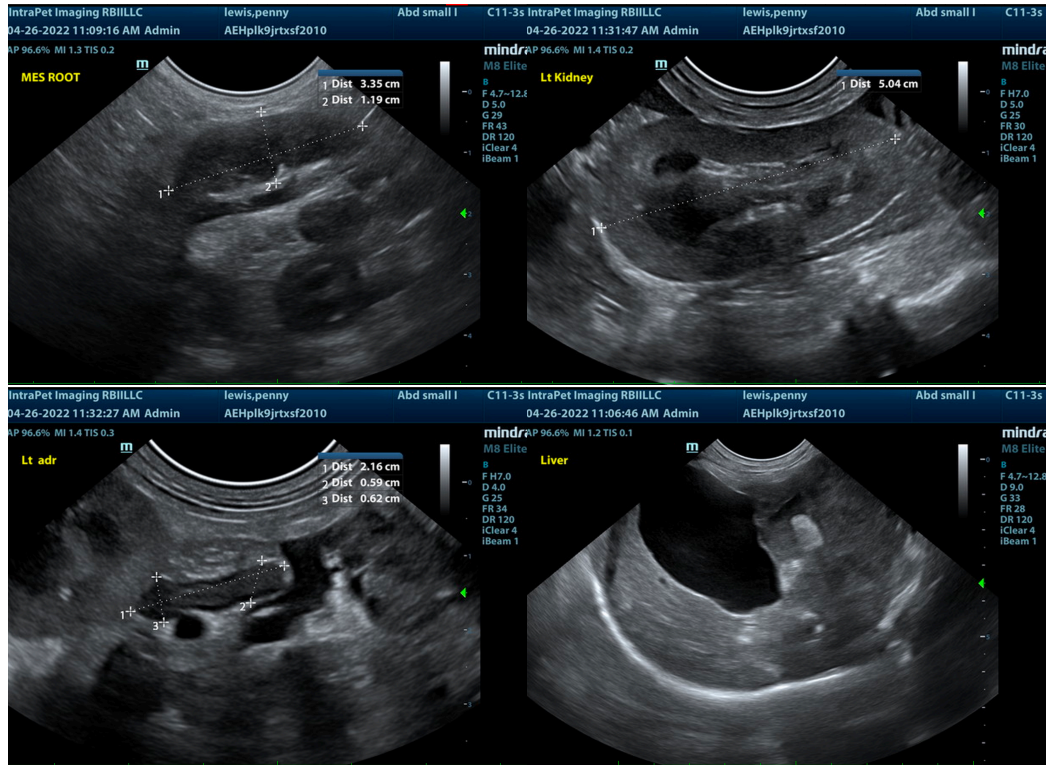
**ULTRASONOGRAPHIC FINDINGS**

- Aggressive multicentric neoplasia involving mesenteric lymph nodes and diffuse liver masses, likely spleen, and possible GI involvement.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA liver and lymph nodes could be considered for further definition, yet prognosis is poor. Humane euthanasia should be considered in this patient.





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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