



DATE PRESENTING CLINICAL SIGNS

2/7/26

PATIENT

Lucy Carrigan

Patient History: Presents for follow-up of elevated liver enzymes and inappetence Patient History: - Previously not eating or drinking - Currently eating well with smaller portions; vomits with larger portions - Now drinking water regularly (recent improvement) - Current medications: - Denamarin (given in morning before food) - Ursodiol - Famotidine (Pepcid) - Amoxicillin - Previous blood work on 2026-02-03 showed elevated liver enzymes.

SPECIES

Canine

BREED

Golden Retriever

Current Medications: N/A.
Labwork Results: Labwork submitted and reported as Chem 10= ALT 703 [H], ALP did not read initially, 2081 after 1:3 dilution Lytes = Cl 123 [sl H], PCV/TS= 52%/6.8 with severely icteric serum.
Date of Previous IntraPet Ultrasound: No previous.
Sedation: Not required to complete full diagnostic ultrasound.
Stat Report: Requested.
Imaging Performed by: Andi Parkinson, BS, RDMS.

SEX

Spayed Female

AGE

2/22/17

WEIGHT

90.8 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (CFM), Cert.
IVUSS

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and 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, and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.72 cm. The left kidney measured 7.67 cm. Multifocal hypoechoic expansive nodules were noted, measuring up to 1.15 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 2.14 cm x 0.63 cm at the caudal pole and 0.61 cm at the cranial pole. The right adrenal gland measured 0.58 cm.

HOSPITAL NAME

Animal Emergency
Hospital

REFERRING VET

Dr. Jones

Spleen

The **spleen** revealed multifocal hypoechoic nodules/masses, measuring up to 3.0 cm, and target lesions, measuring up to 1.0 cm.

INVOICE

35718

Liver

The **liver** revealed multifocal hypoechoic target lesions in the midst of generalized hepatomegaly and disrupted architecture. The gallbladder was edematous. The hepatic lymph nodes were enlarged, rounded, and hypoechoic, measuring 3.5 cm x 1.38 cm. Comet tail lung pattern was noted through the diaphragm.

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. Hyperechoic ill-defined fat was noted around the pancreas and portal hilus owing to significant pathology.

Free Abdomen

A mid abdominal **lipoma** was noted in this patient, measuring 15.0 cm x 10.0 cm, not pathological.

Other

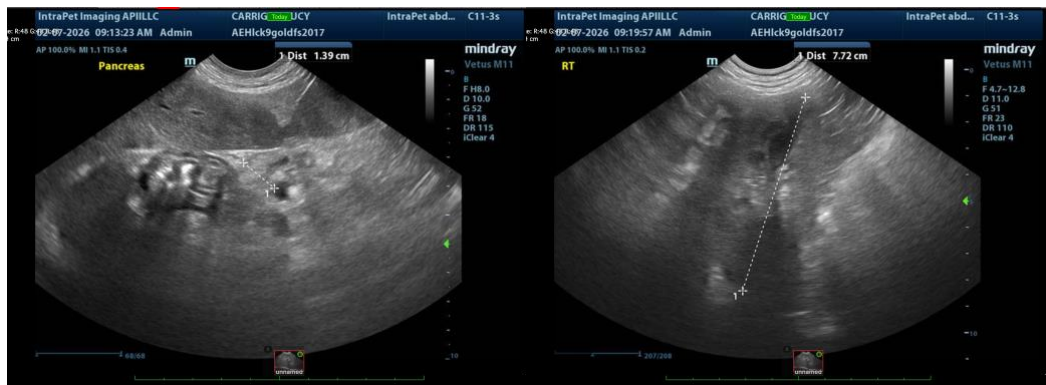
A rapid view of the **heart** revealed no evident pathology in the right auricle or pericardium. Contractility and volumes appeared normal.

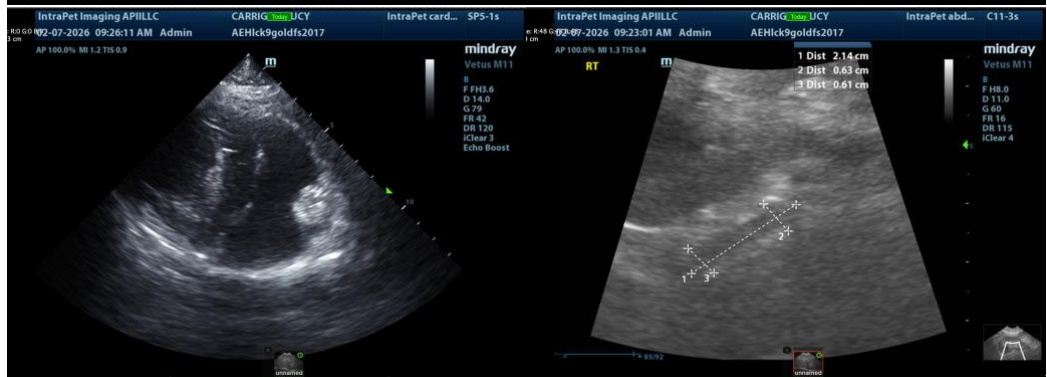
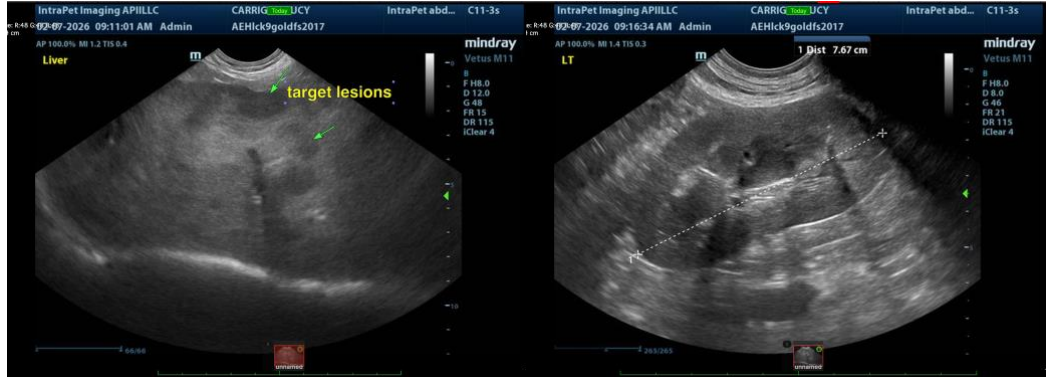
ULTRASONOGRAPHIC FINDINGS

- Multicentric round cell neoplastic pattern involving multiple organs (liver, spleen, kidneys, and lymph nodes).
- Comet tail lung pattern through the diaphragm, suggestive for potential thoracic spread

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Prognosis is poor. FNA of the affected organs and immediate chemotherapeutic intervention is recommended.







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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