



PATIENT

Kailani Matthes

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

11 Years

WEIGHT

65.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Andover AH

REFERRING VET

Dr. Vanderbogart

INVOICE

36647

DATE

4/1/22

PRESENTING CLINICAL SIGNS

On/off diarrhea (liquid/water) since 12/27/21. Minimal response to Metronidazole and Aminopentamide. Current meds: Interceptor and Credilio
Abnormal PE/Chem/CBC/UA Results: Cholesterol mildly elevated

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 3.0 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 left kidney measured 6.2 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 right adrenal gland measured 2.39 cm x 1.38 cm at the cranial pole and 0.68 cm at the caudal pole. The left adrenal gland measured 2.92 cm x 0.45 cm at the cranial pole and 0.54 cm at the caudal pole.

Spleen

The **spleen** revealed a complex mixed hypoechoic, peripherally inflamed 8.5 cm mass deriving from the caudal pole. Other expansive nodular changes noted throughout the spleen with coalescing target nodules, strongly consistent with aggressive neoplasia.

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. Occasional nodular change noted. Strong potential for micrometastasis. 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.

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.



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Pancreas

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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.

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Heart

The right auricle revealed a 2.6 cm mass occupying the lumen of the right atrium. No pericardial effusion noted. Contractility appeared to be adequate. The right auricular mass appears to be invading into the tricuspid valve.

BREED

Golden Retriever

ULTRASONOGRAPHIC FINDINGS

SEX

- Infiltrative splenic pattern with mass and target nodules
- Right auricular mass

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

11 Years

Oncological intervention could be considered with direct Adriamycin as a palliative measure. However, given the right auricular mass, multicentric hemangiosarcoma is present. No overt cardiac dysfunction noted at this time, as no pericardial effusion nor obstruction of vena cava inflow present. However, splenectomy would be palliative, as adjunctive chemotherapy would be absolutely necessary in this patient.

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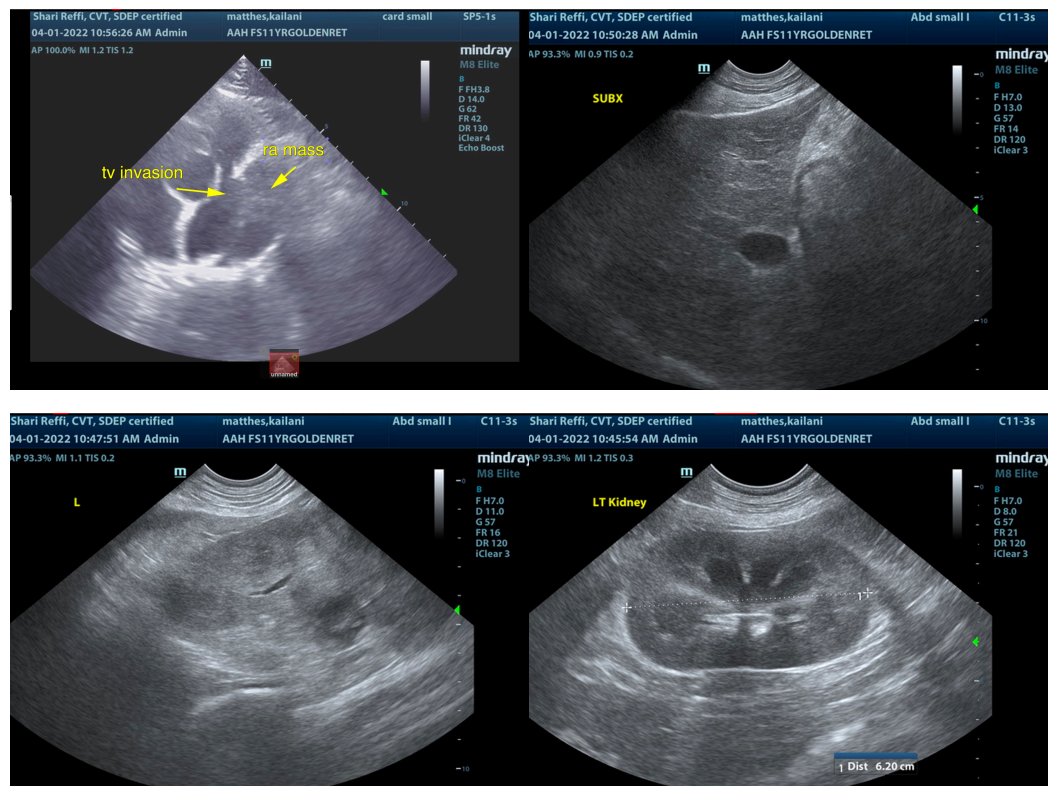
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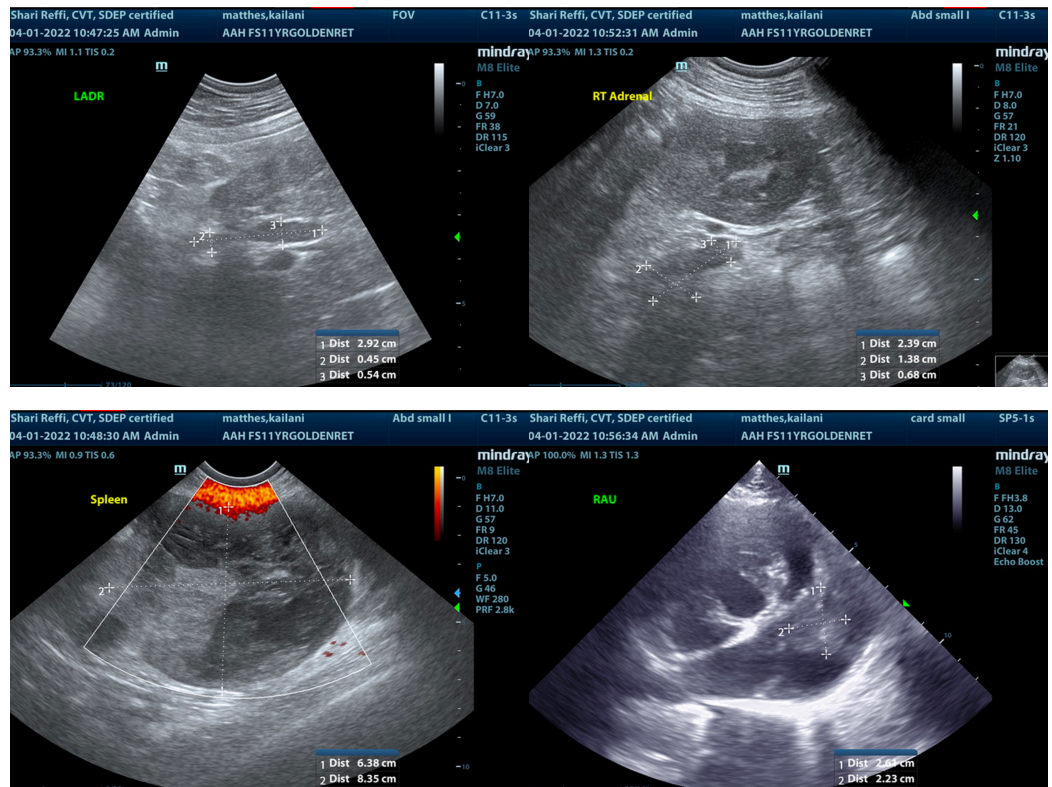
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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