



PATIENT

Eli Hamilton

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

10 years

WEIGHT

80 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Chirstensen

HOSPITAL NAME

Tranquility VC

REFERRING VET

Dr. Christensen

INVOICE

43175

DATE

12/16/22

PRESENTING CLINICAL SIGNS

History: Recheck U/S from 10/10/22. Splenectomy 2 months ago. ADR and pale mm now. Dx= Hemangiosarcoma. Suspect liver involvement. On NSAID/Chlorambucil/ Yunnan Baiyao currently. Abnormal PE/Chem/CBC/UA Results: PCV= 16%

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.

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 7.33 cm. The right kidney measured 6.68 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 0.47 cm. The left adrenal gland measured 0.6 cm.

Spleen

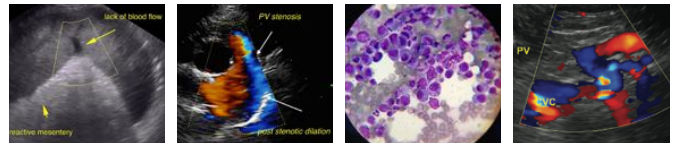
The **spleen** was not visualized as it was previously removed.

Liver

The **liver** revealed an overt mass noted at the caudal aspect of the liver. This is likely the source of the free fluid. I suspect that this is hemorrhage or paraneoplastic effusion. The parenchyma was slightly irregular. Hypoechoic, nodular changes were noted in the liver. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.

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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Free Abdomen

BREED

Free fluid was noted in the abdomen.

Golden Retriever

ULTRASONOGRAPHIC FINDINGS

SEX

Metastatic hepatic pattern with secondary free fluid. Hemorrhage is likely.

Neutered male

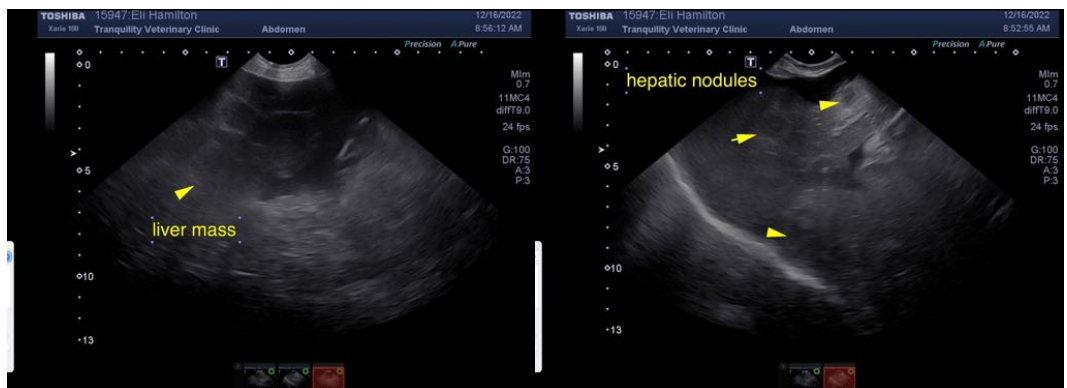
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

The prognosis is poor. This is most consistent with a hemangiosarcoma type pattern.

WEIGHT

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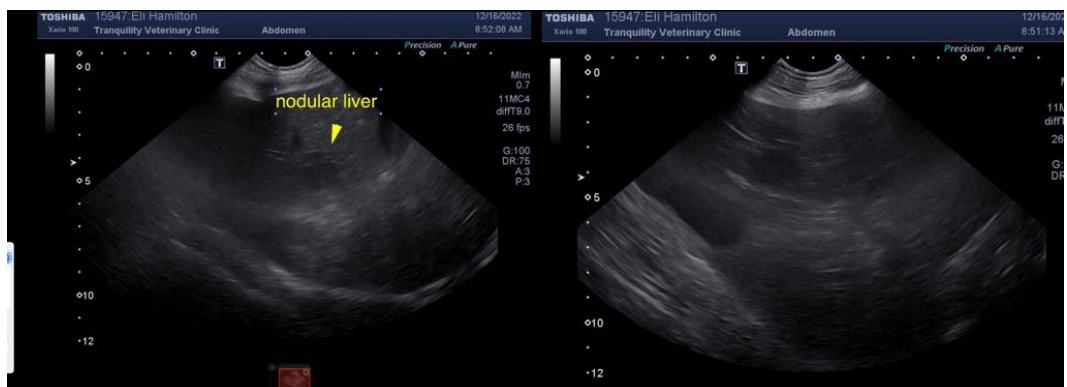
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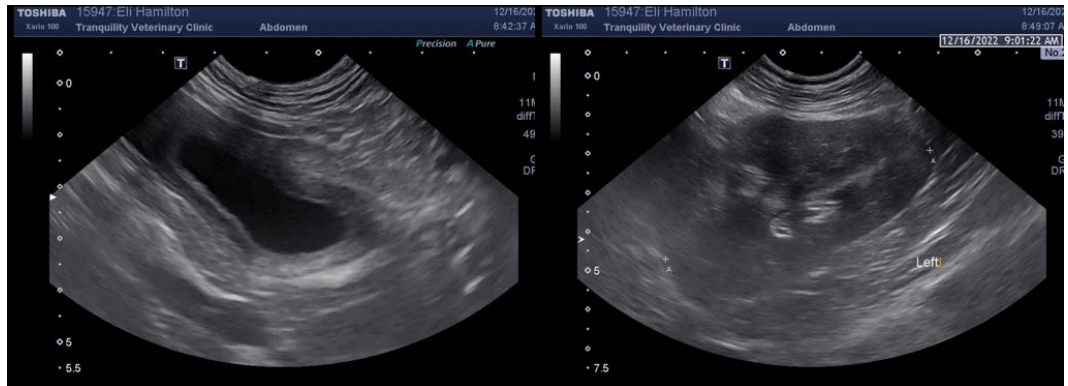
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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