



PATIENT

Eli Hixon

PRESENTING CLINICAL SIGNS

History: Patient acutely collapsed approximately 1 week ago. Large spleen on abdominal palpation. previous blood work done in August with no abnormalities other than a very mildly elevated SDMA.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Golden Retriever

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

Neutered male

AGE

9 years

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 7.0 cm. The right kidney measured 6.0 cm.

WEIGHT

78 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 0.5 cm.

IMAGING PERFORMED BY

Dr. Bush

Spleen

HOSPITAL NAME

Great Miami VC

The **spleen** revealed a complex, mixed echogenic mass with regional inflammation. The mass measured approximately 10.0 cm. Other nodular changes were noted in the spleen. The mass impinged upon the liver cranially. Enhanced omentum was noted around the mass. This is consistent with adhesions. Other nodular changes were noted in the spleen. A second mass was noted in the spleen and measured 3.0 cm as well as other nodular changes.

REFERRING VET

Dr. Bush

Liver

INVOICE

93153

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Some heterogenous, hypoechoic nodular changes were noted in the liver. This may represent metastatic disease. However, they were not cavitated. 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. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

DATE

11/16/21



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Gastrointestinal

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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.

SPECIES

Canine

BREED

Golden Retriever

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.

SEX

Neutered male

Free Abdomen

Free fluid was noted in the abdomen.

AGE

9 years

Heart

Rapid view of the heart revealed no evidence of pathology in the pericardium or right auricle.

WEIGHT

78 lbs

ULTRASONOGRAPHIC FINDINGS

Multi-focal, splenic neoplasia, possible metastatic disease to the liver.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Dr. Bush

Three view chest radiographs and echocardiogram are warranted followed by exploratory surgery. However, direct inspection of the liver is warranted to assess the heterogenous changes noted sonographically. Hemangiosarcoma is likely. The prognosis is extremely guarded to poor long term.

HOSPITAL NAME

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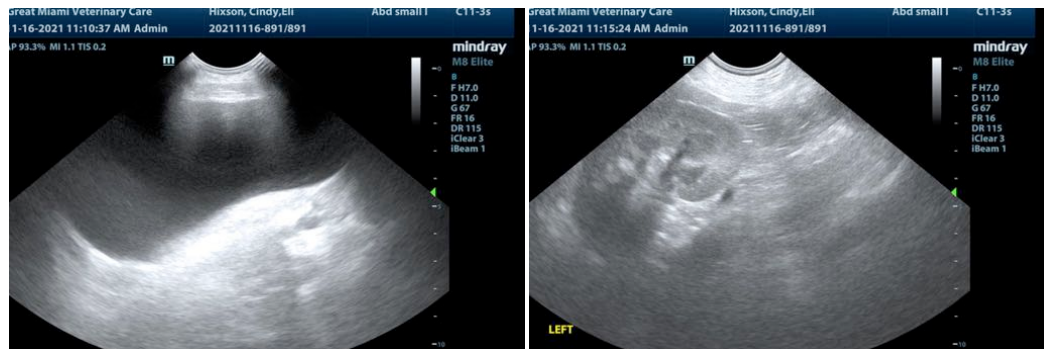
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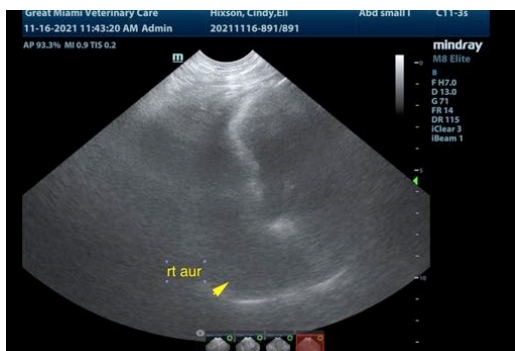
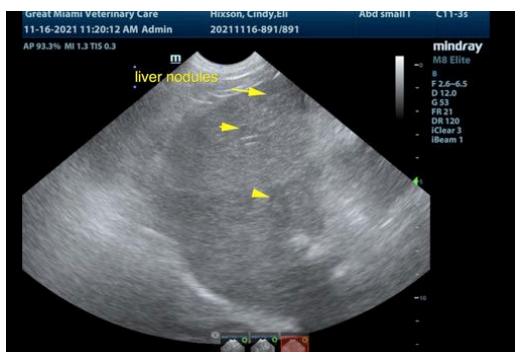
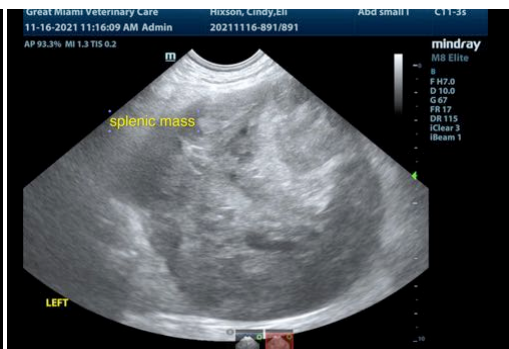
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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