



PATIENT

Auzzie Neifert

SPECIES

Canine

BREED

Labrador Retriever Mix

SEX

Neutered Male

AGE

6 Years

WEIGHT

46 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Jennifer Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Laura Campbell

INVOICE

13231

DATE

12/30/21

PRESENTING CLINICAL SIGNS

History: Auzzie is a 6.5-year-old MN lab mix. His owner presented him on 12/14/21 for increased appetite with weight loss. In addition, his owner noted he was drinking and urinating more. Owner reported he acted this way when he had Giardia over the summer, improved with deworming per owner. Auzzie had lost 6 pounds in 1 month, and he was highly food motivated for his appointment on 12/14/21. Otherwise, his exam was unremarkable. Fecal showed NPS but we still dewormed him with 5-day course of Panacur. Blood work was fairly unremarkable with a mildly elevated AST (64, range 16-55) and potassium (6.0, range 4.0-5.4). A maldigestion profile, UA with UPC and recheck lytes and liver values were recommended. Electrolytes were WNL on 12/23, but liver values were significantly higher than on 12/14/21 - ALT 2761 (18-121), AST 340 (16-55), ALP 1582 (5-160), Tbil 2.1 (0-0.3). Recheck labs on 12/29/21 are attached as a pdf: Auzzie is now icteric on exam. ALT=2192, AST=196, ALP=1860, GGT=328, T. bili=10, Chol=492, Lipase=477, cortisol=8.0. Started denamarin. starting enrofloxacin and metronidazole today

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented a minimal amount of urine present with minor concentric thickening and minor micropolypoid changes.

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. Slight pinpoint mineralization was noted. The right kidney measured 4.75 cm. The left kidney measured 4.75cm.

Adrenal Glands

The **left adrenal gland** was 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 2.08 cm x 0.39 cm at the cranial pole and 0.48 cm at the caudal pole.

The region of the **right adrenal gland** revealed no evident pathology.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** revealed nonspecific coarse architecture and increased portal markings. The gallbladder was mildly turgid yet not obstructed. This change is most consistent with cholangiohepatitis, however, conversion to round cell neoplasia is a potential given the mesenteric lymphadenopathy.

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.

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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.

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Free Abdomen

Multifocal rounded hypoechoic mesenteric **lymph nodes** were enlarged in this patient. A grouping of lymph nodes measured 3.0 cm x 2.0 cm. Free fluid noted around the mesenteric lymph nodes, likely owing to lymphatic congestion.

SEX

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ULTRASONOGRAPHIC FINDINGS

- Mesenteric lymphadenopathy
- Cholangiohepatitis liver pattern

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

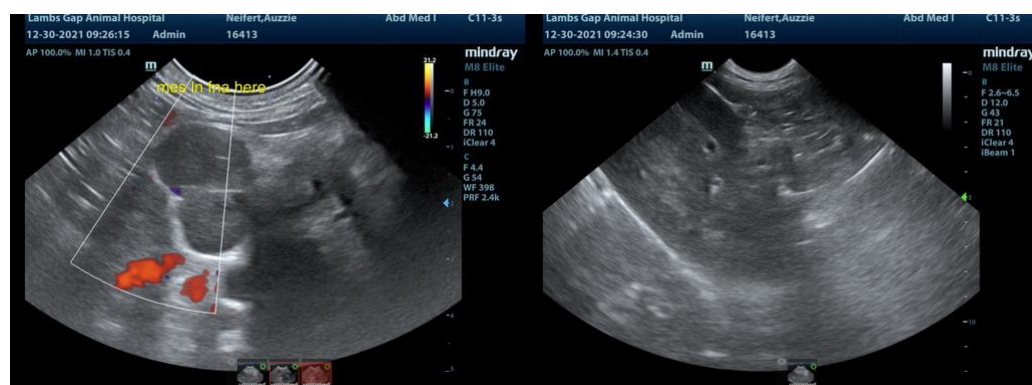
FNA of the lymph nodes, liver and spleen warranted in this patient. Lymphadenitis, cholangiohepatitis owing to leptospirosis or other acute on chronic insult versus emerging round cell neoplasia. Ampicillin, metronidazole, nutraceuticals and FNAs all indicated. Guarded prognosis.

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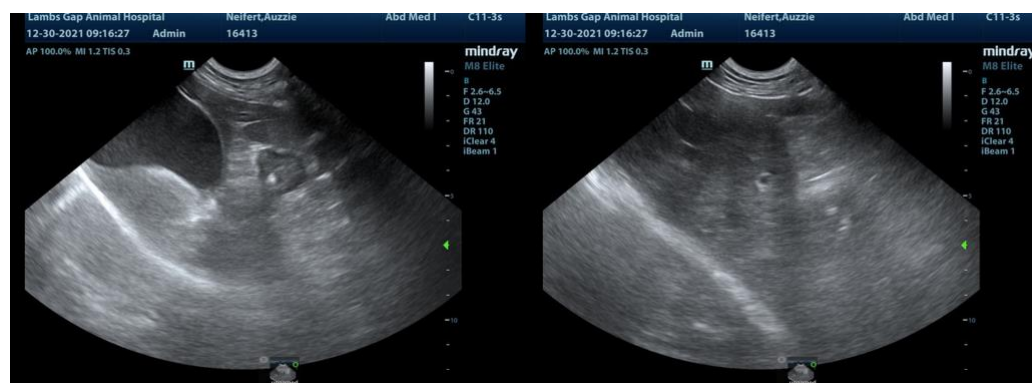


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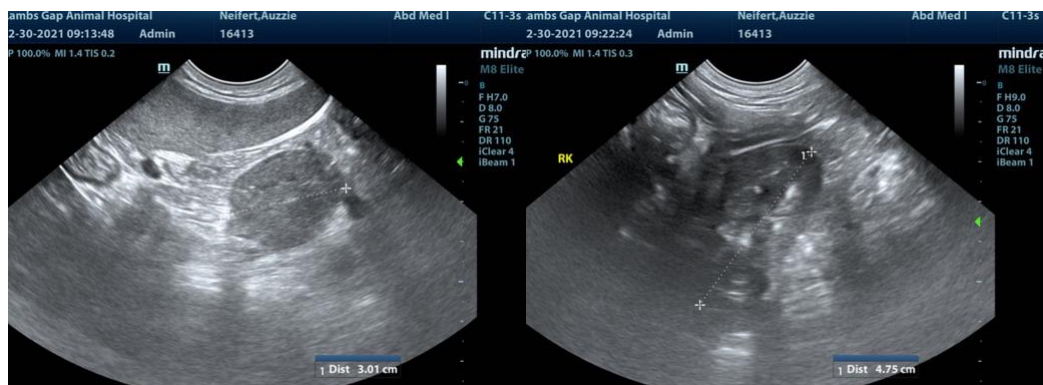
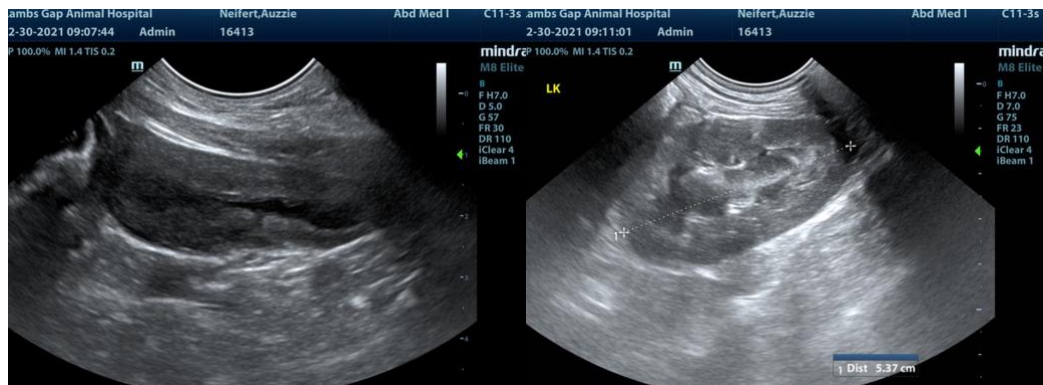
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@SonoPath.com

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