



PATIENT

Ray Ray Shanaman

SPECIES

Canine

BREED

Mix

SEX

Spayed female

AGE

13 years

WEIGHT

55 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Blairstown AH

REFERRING VET

Dr. Leal

INVOICE

39870

DATE

10/3/22

PRESENTING CLINICAL SIGNS

History: Dog presented for chronic urinary infections. Responsive to Amoxicillin. UA showed blood 2+, recent culture was negative. Ultrasound done for further diagnostics. Ultrasound done with no sedation

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 right kidney measured 5.62 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 0.6 cm. The left adrenal gland measured 0.6 cm in width.

Spleen

The **spleen** revealed multi-focal, hypoechoic and hyperechoic nodular changes were noted throughout the spleen.

Liver

The **liver** revealed swollen, irregular lobar contour noted in the left liver with multi-focal, hyperechoic nodular changes. The gallbladder presented some dependent debris with essentially normal contour. 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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ULTRASONOGRAPHIC FINDINGS

BREED

Mix

Undefined splenic nodules. Hyperplasia versus round cell neoplasia or most likely lipogranulomatous changes.

SEX

Spayed female

Swollen, irregular liver with multi-focal, hyperechoic nodular changes. Pronounced nodular hyperplasia versus underlying carcinoma.

Trace amount of biliary sand was noted.

AGE

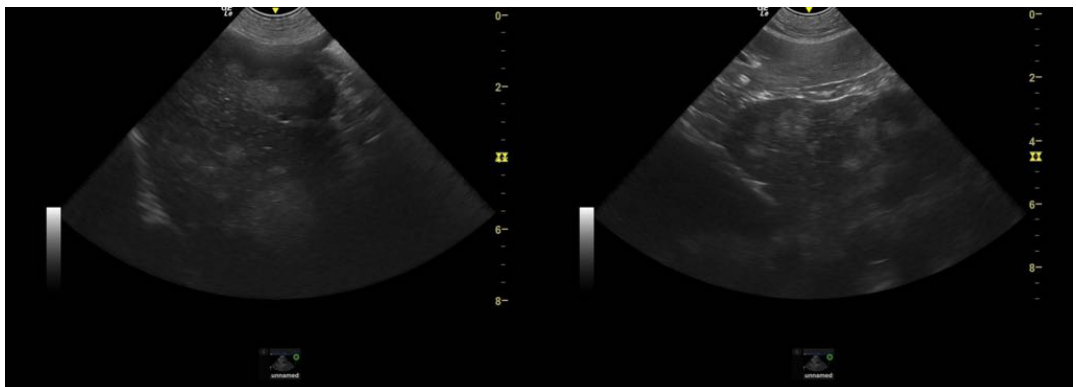
13 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen and liver is recommended. Multi-focal, hyperechoic nodular changes were noted throughout the liver.

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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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