



PATIENT

Bear Galarza

PRESENTING CLINICAL SIGNS

hx of liver mass from prev u/s, diagnosed with lymphoma lesion 5/2021

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED

Pomeranian

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.0 cm x 2.8 cm. Anechoic, thinly walled parenchyma cysts were present.

SEX

Male

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.4 cm. The right kidney measured 4.8 cm.

AGE

12 Years

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.35 cm at the caudal pole. No overt pathology in the area of the right adrenal gland, although not definitively visualized.

WEIGHT

19 Pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

Spleen

The spleen was normal in size and contour with generalized mild splenic parenchyma heterogeneity with multifocal pinpoint hyperechoic parenchymal foci. These foci are consistent with benign changes and may indicate pinpoint areas of mineralization, fibrosis, or microinfarction.

IMAGING PERFORMED BY

Megan Larson

Liver

The liver exhibited mild to potential mild to moderate generalized enlargement with maintained symmetrical capsule contour. Overall normal subjective hepatic parenchyma echogenicity exhibiting mild to moderate coarse echotexture. Previously noted heterogeneous nodule in the left liver was present, measuring 3.1 cm in diameter. The nodule appeared to be mildly progressive compared to previous measurement. Additional separate intermittent, non-expansive, similar appearing parenchymal nodules were present in the mid ventral liver. Example of smaller nodule measured 0.72 cm in diameter. The gallbladder was non distended in size with mild, non-dependent echogenic biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

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Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

DATE

12/15/21

Normal visible colon wall layers were present with apparent formed feces in lumen.



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Pancreas

Bear Galarza

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SPECIES

Free Abdomen

Canine

No omental masses, lymphadenopathy or peritoneal effusion.

BREED

PRIMARY FINDINGS

Pomeranian

- Moderate prostatomegaly with benign cystic parenchymal changes – consistent with benign prostatic hyperplasia with multiple small parenchymal cysts, minor potential for prostatitis.

SEX

- Persistent hepatomegaly with previously noted left liver non-homogeneous nodule, concurrent intermittent similar appearing mid and ventral non-expansive parenchymal nodules.

Male

- Mild gallbladder debris (non-mucocele)

AGE

SECONDARY FINDINGS

12 Years

- Benign pinpoint hyperechoic splenic parenchymal foci

WEIGHT

- Bilateral mild chronic renal changes

19 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

The persistent mild to moderate hepatomegaly along with previously noted to multiple heterogeneous nodules may indicate benign parenchymal or nodular changes such as nodular hyperplasia, lipogranuloma or similar, while the possibility of primary versus metastatic neoplastic nodules cannot be excluded.

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DVM, DABVP
(Canine and Feline)

Assuming normal clotting status, ultrasound guided FNA of the hepatic parenchyma and larger left liver nodule for screening cytology is recommended given the subjective mild progressive increased size of the left liver nodule. Continued sonographic monitoring of the liver nodules would be a more conservative approach. Hepatosupportive medications including Ursodiol may be considered if elevated liver enzymes or evidence of cholestasis.

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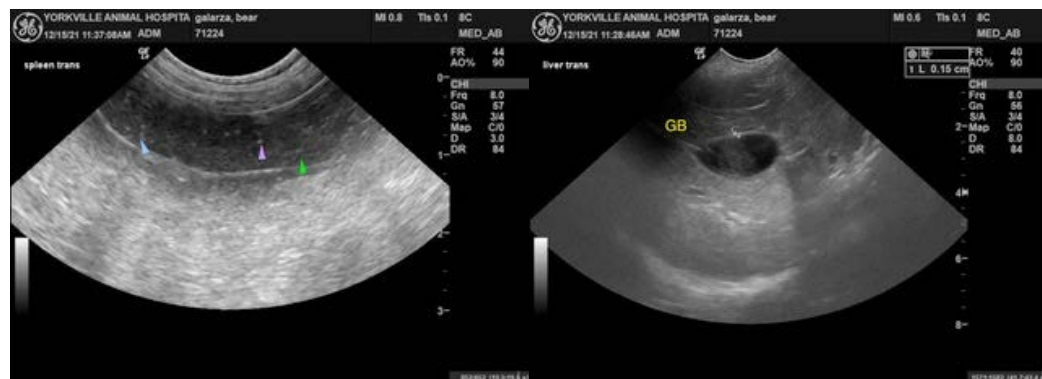
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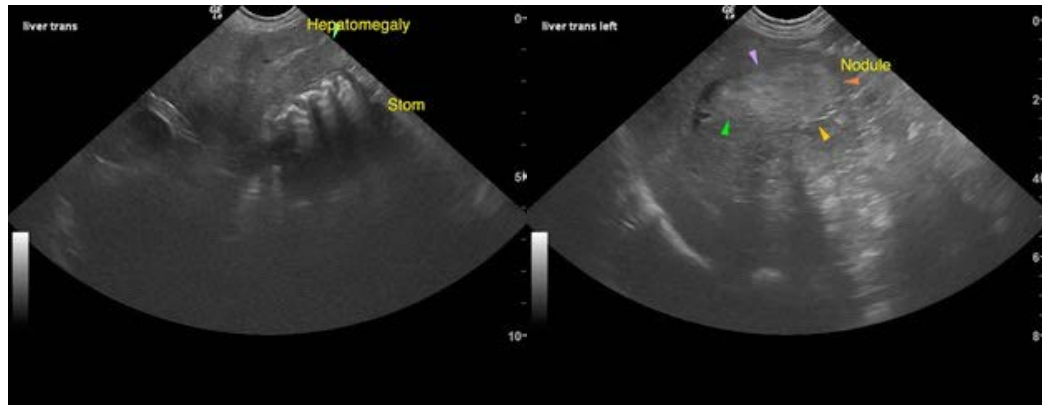
Bear Galarza

SPECIES

Canine

BREED

Pomeranian



SEX

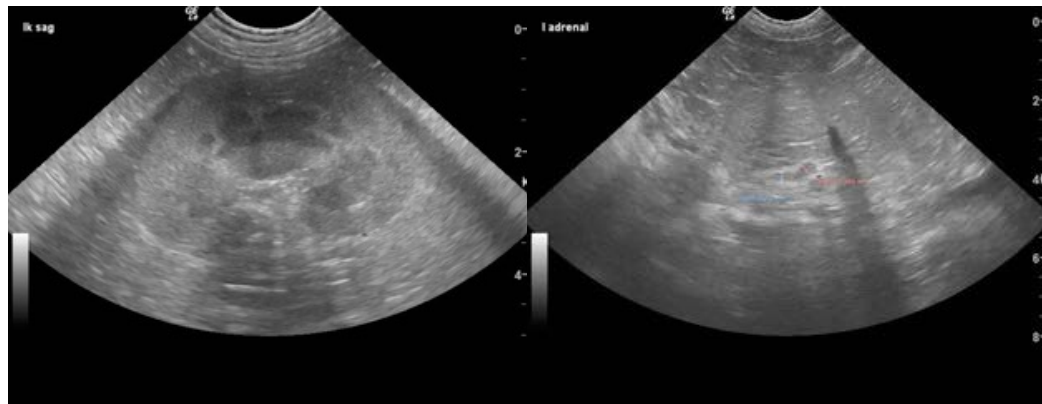
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WEIGHT

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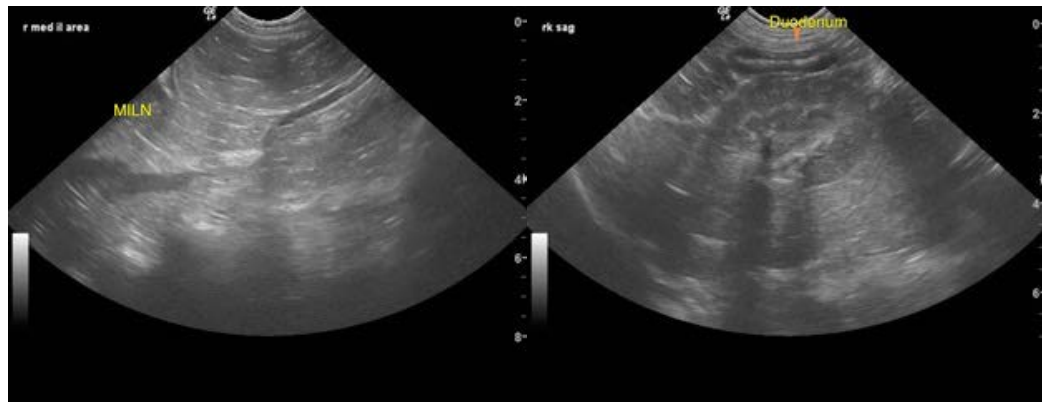
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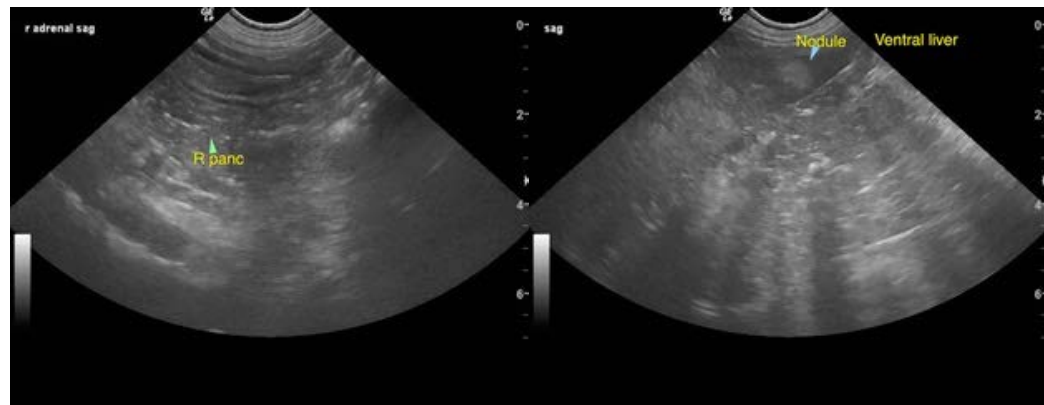
Male

AGE

12 Years

WEIGHT

19 Pounds



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.

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