



PATIENT

PRESENTING CLINICAL SIGNS

Charlie Herrera

Elevated liver enzymes and bile acids.

SPECIES

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

The **urinary bladder** presented a relatively uniform thickening of the cranioventral and craniodorsal mucosae with micropolypoid mucosal changes without involvement of the submucosae. The urine presented some echogenicity consistent with suspended debris. No evidence of urethral pathology was present. This presentation is most consistent with chronic cystitis. Technically transitional cell carcinoma cannot be ruled out without histopathological review but is not overtly suspected based on this pattern. Cystocentesis and urine culture +/- pathological review of urine cytology would be warranted. No overt calculi were present at this time.

Jack Russell mix

SEX

Spayed Female

AGE

10 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 right kidney measured 5.63 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Eric Lindquist, DMV
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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 2.62 x 0.66 cm. The right adrenal gland measured 2.65 x 1.1 cm at the cranial pole and 0.84 cm at the caudal pole.

HOSPITAL NAME

Greenwood Lake AH

Spleen

REFERRING VET

Dr. Price

The **spleen** is enlarged and mildly congested. Swollen, enhanced mesentery was noted in the cranial abdomen.

Invoice

97050

Liver

The **liver** was diffusely nodular, enlarged and irregular. The portal vein was congested and enlarged. The gallbladder and common bile duct were unremarkable. Mild hepatic lymphadenopathy was noted.

DATE

3/22/22

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. The colonic wall is slightly thickened.



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Pancreas

SPECIES

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

BREED

Jack Russell mix

Free Abdomen

SEX

Spayed Female

The iliac lymph nodes were enlarged, hypoechoic and irregular measuring up to 2.2 cm. A minor amount of free fluid was noted. Left inguinal lymph node mass was noted and measured 3.0 x 2.5 cm. The lymph node was hypoechoic and ill-defined. This is strongly suggestive for round cell neoplasia or other neoplastic event.

AGE

10 years

ULTRASONOGRAPHIC FINDINGS

Inguinal lymph node mass.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

Iliac lymph node enlargement.

Chronic cystitis. Hepatic cirrhosis pattern with hepatic lymphadenopathy and congested spleen.

Chronic cystitis bladder pattern.

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the inguinal lymph node mass, iliac lymph node, spleen and liver are all valid in this patient. Urinary work-up is indicated.

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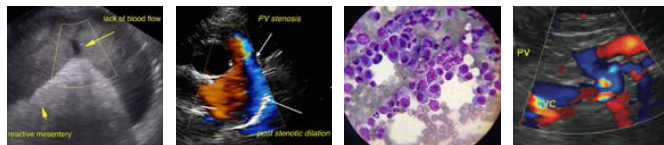
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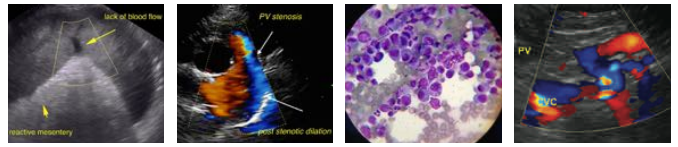
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Jack Russell mix

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SEX

Spayed Female

AGE

10 years

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