



PATIENT

Remington Percell

SPECIES

Canine

BREED

Beagle

SEX

Neutered Male

AGE

13 Years

WEIGHT

38

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Cathy Carter

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Gary Jimmerson

INVOICE

25955

DATE

9/30/21

PRESENTING CLINICAL SIGNS

Hx elevated liver enzymes (ALP) - r/o HAC, cholangitis, other, Hx splenic mass per owner. Presenting today for ataxia, extreme lethargy and abdominal pain. PE = hunched stance, stilted gait, resistant to neck manipulation, reactive to palpation over T/L spine. No pain on long bone, stifle, or elbow manipulation/palpation

Abnormal PE/Chem/CBC/UA Results: CBC = HCT 58%, WBCs wnl 14.5, stress leukogram. Neuts 13.3k chem17 = low TP 4.2, low Glob 0.6, ALP 787 (was 817 last year). all other wnl. ALT 48, GGT 0 EPOC = hypokalemia 3.0, Glu 125, Na 155, elevated lactate 8.02 UA = USG 1.047, pH 8.0, protein 100, quiet sediment. A-fast = left cystic kidney, no free fluid, no uroliths, gas in colon, unable to visualize right kidney, mild heterogenous liver, no splenic mass noted ear cytology = few yeast AU, no bacteria

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 were noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. An anechoic cyst was noted at the cranial pole of the right kidney measuring 3.75 cm. The right kidney measured 5.54 cm. The left kidney measured 5.0 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The left adrenal gland measured 2.04 cm x 0.82 cm at the caudal pole and 0.37 cm at the cranial pole.

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** presented heterogenous parenchyma with increased portal markings and coarse architecture. Slight undulating capsular contour was noted. The gallbladder and common bile duct were unremarkable. This is consistent with chronic inflammatory hepatopathy.

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.



PATIENT

Remington Percell

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Non-specific chronic inflammatory hepatopathy
- Age related renal and adrenal changes right right renal cyst

BREED

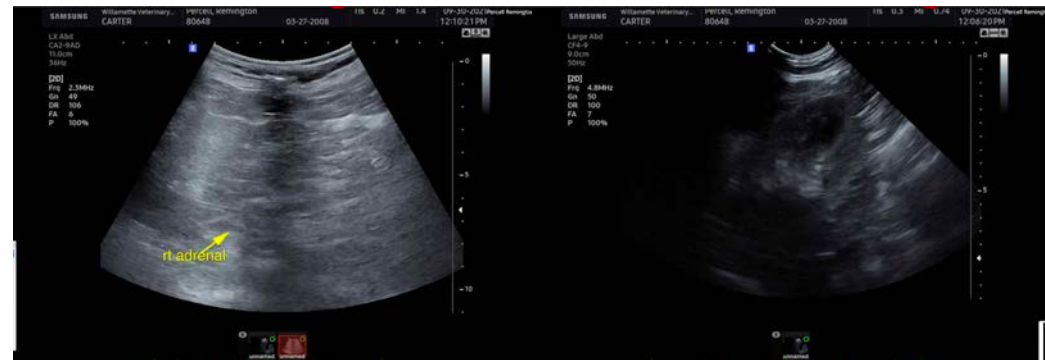
Beagle

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver indicated. No evidence of neoplasia.

SEX

Neutered Male



AGE

13 Years

WEIGHT

38

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Dr. Cathy Carter

HOSPITAL NAME

Willamette VH



REFERRING VET

Dr. Gary Jimmerson

INVOICE

25955

DATE

9/30/21



PATIENT

Remington Percell

SPECIES

Canine

BREED

Beagle

SEX

Neutered Male

AGE

13 Years

WEIGHT

38

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Cathy Carter

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Gary Jimmerson

INVOICE

25955

DATE

9/30/21



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
info@SonoPath.com