



PATIENT

Boo Herb

PRESENTING CLINICAL SIGNS

History: Newly dx heart murmur (3/6). Coughing. Recheck Abd from 4/22 (Adrenal nodules/hepatopathy). Current meds: Furosemide 6.25mg q 12h
Abnormal PE/Chem/CBC/UA Results: Alk Phos 755

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Mix

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.

SEX

Spayed female

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. Slight cortical mineralization was noted. Cortical cyst was noted in both kidneys. The left kidney measured 5.28 cm. The right kidney measured 5.45 cm.

AGE

12 years

WEIGHT

16 lbs

Adrenal Glands

The left adrenal gland has grown and now measures 2.97 x 1.92 cm at the caudal and 0.86 cm at the cranial pole. The left adrenal gland has increased in size. The right adrenal gland has also increased in size and measures 2.64 x 2.23 cm at the cranial pole and 1.33 cm at the caudal pole. Heterogenous, parenchymal changes were noted with capsular expansion without capsular escape was noted. The vena cava was free of evident pathology.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 was noted.

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Tranquility VC

REFERRING VET

Dr. C

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

INVOICE

42261

DATE

11/1/22



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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.

SPECIES

Canine

BREED

Mix

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.

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

AGE

12 years

Bilateral, progressively enlarged adrenal glands depending upon adrenal panel bilateral adenomas, hyperplasia, pheochromocytoma and adenocarcinoma are all possible.

WEIGHT

16 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Blood pressure measurements are recommended as well as complete adrenal work-up at University of Tennessee panel. If hypertension is present with systolic pressure of > 160, then urine catecholamine is indicated.

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DABVP, Cert. IVUSS

IMAGING PERFORMED BY

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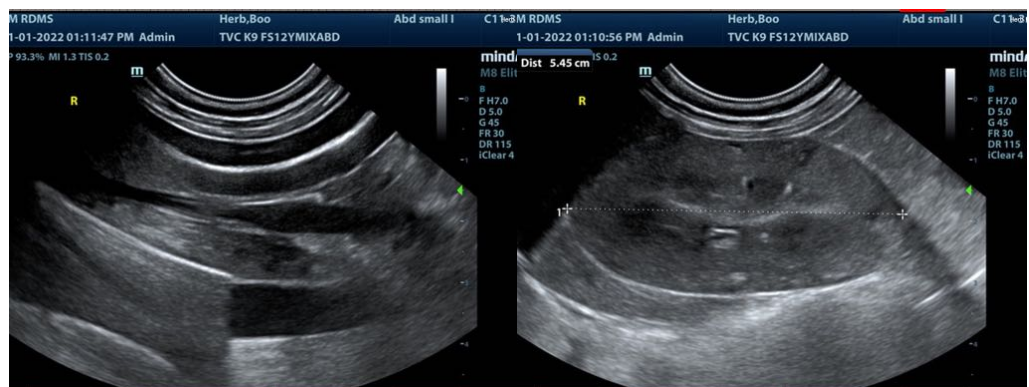
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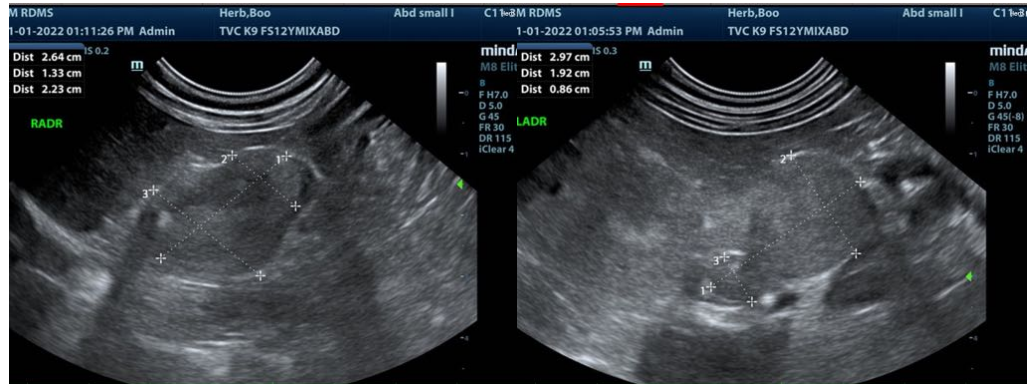
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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