



PATIENT

Boo Bristow

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

9 Years 5 Months

WEIGHT

14.7 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kristen Carpenter

HOSPITAL NAME

Penridge AH

REFERRING VET

Dr. Jen Makem

INVOICE

47257

DATE

5/9/23

PRESENTING CLINICAL SIGNS

Sedated with butorphanol April of 2022 - O noted signs of nausea at home/burping. Rads - NSF except hepatomegaly. B/w normal. Snap CPL abnormal. O switched to GI LF and pepcid/cerenia trial and patient responded well. Jan of 2023 re-presented for intermittently vomiting bile. O started probiotics and improved. April of 2023 presented for UR congestion (already on apoquel) - recheck b/w showed NEW liver enzyme elevations - ALT 233 (was 50), ALP 148, BUN 33 Creat 0.6 tbili 0.1. O elected medical mgt in case of bacterial hepatitis - treated with 4 weeks baytril, hepatosupport and O discontinued apoquel. Recheck b/w May of 2023 ALT 260, ALP 176, tbili 0.3. Current meds cerenia PRN, pepcid, hepatosupport.

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 measures 4.6 cm with slight pinpoint mineralizations noted. The left kidney measures 3.68 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 left adrenal gland measured 1.6 cm x 0.47 cm at the caudal pole and 0.49 cm at the cranial pole. The right adrenal gland measured 1.18 cm x 0.32 cm at the caudal pole and 0.40 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** 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.



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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.

Pancreas

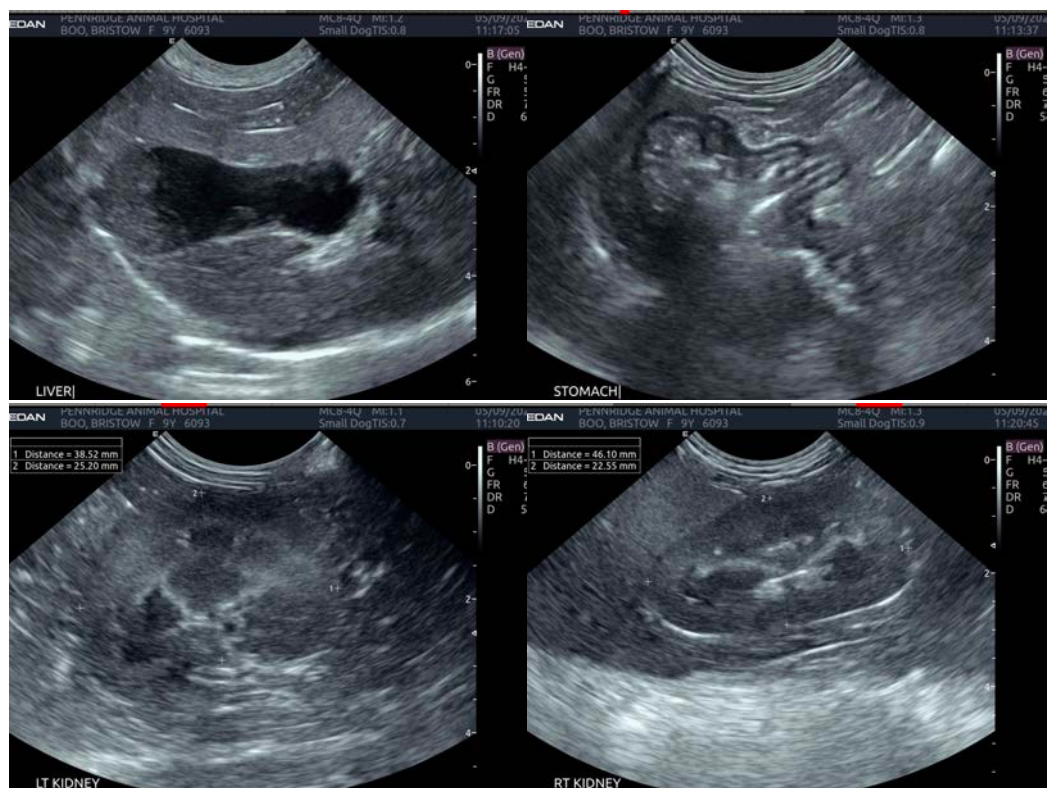
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Minor pinpoint renal mineralizations
- Minor age related abdominal changes otherwise
- Low-grade inflammatory hepatopathy/reactive hepatopathy

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of significant disease. FNA of the liver could be considered for further definition.





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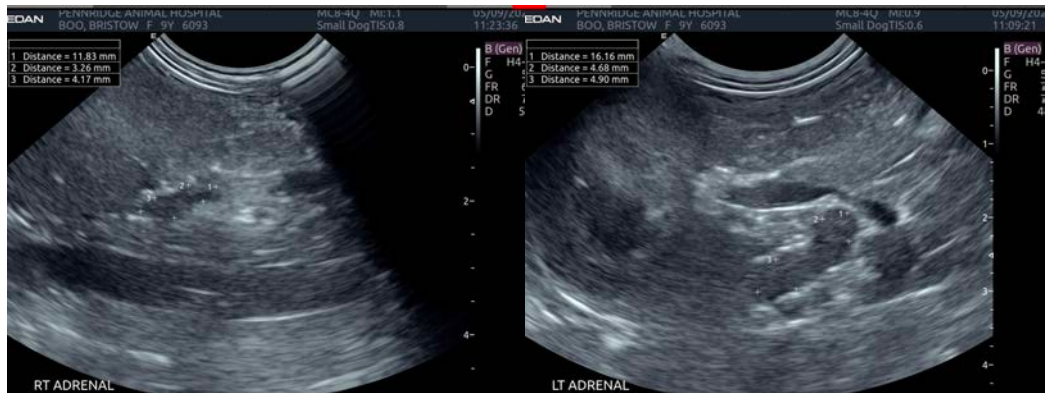
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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