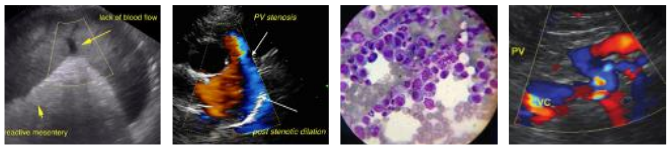
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Dexter Allardyce

SPECIES

Canine

BREED

Lhasa Apso Mix

SEX

Neutered Male

AGE

11 Years

WEIGHT

21.1 Pounds

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Heather Brenner

HOSPITAL NAME

Riverside AC

REFERRING VET

Dr. Heather Brenner

INVOICE

17429

DATE

9/23/22

PRESENTING CLINICAL SIGNS

History: Partially torn bilateral cruciates, lame front. Adequan series completed. Uses Rimadyl 25mg 1 to 1/2 tablet twice daily prn. February 2021 Started Denamarin 225mg once daily for 1 month. Restarted Denamarin October 2021 used for 2 months only. July 2022 off Adequan and Rimadyl. July 2022 restarted Denamarin. Uses Prednisone 2.5mg SID for itching, used twice in last few weeks.

Abnormal PE/Chem/CBC/UA Results: November 2019 ALK 726 (-212). July 2020 ALT 121 (-125), ALK 569 (-212). February 2021 ALT 187 (-125), ALKP 1081 (-212) started Denamarin. March 2021 on Denamarin ALKP 630 (-212). October 2021 off Denamarin ALT 179 (-125) ALKP 719 (-212) restarted Denamarin for 2 months. July 2022 BUN 30 (-27), ALT 274 (-125), ALKP 1748 (-212) restarted Denamarin. August 2022 on Denamarin ALT 202 (-125), ALKP 1820 (-212). Urine cortisol:creatinine 30 (<34).

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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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. The left kidney measured 4.9 cm. The right kidney measured 5.1 cm.

Adrenal Glands

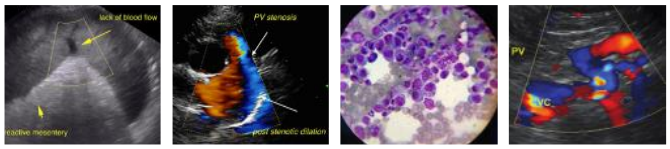
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.0 cm x 0.53 cm at the cranial pole and 0.68 cm at the caudal pole. The left adrenal gland measured 1.24 cm x 0.39 cm at the cranial pole and 0.32 cm at the caudal 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 mild 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. A hypoechoic nodule was noted in



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the right cranial liver, measuring 1.5 cm x 1.0 cm, appears nondisruptive. Other subtle hypoechoic nodular changes were noted in the liver.

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

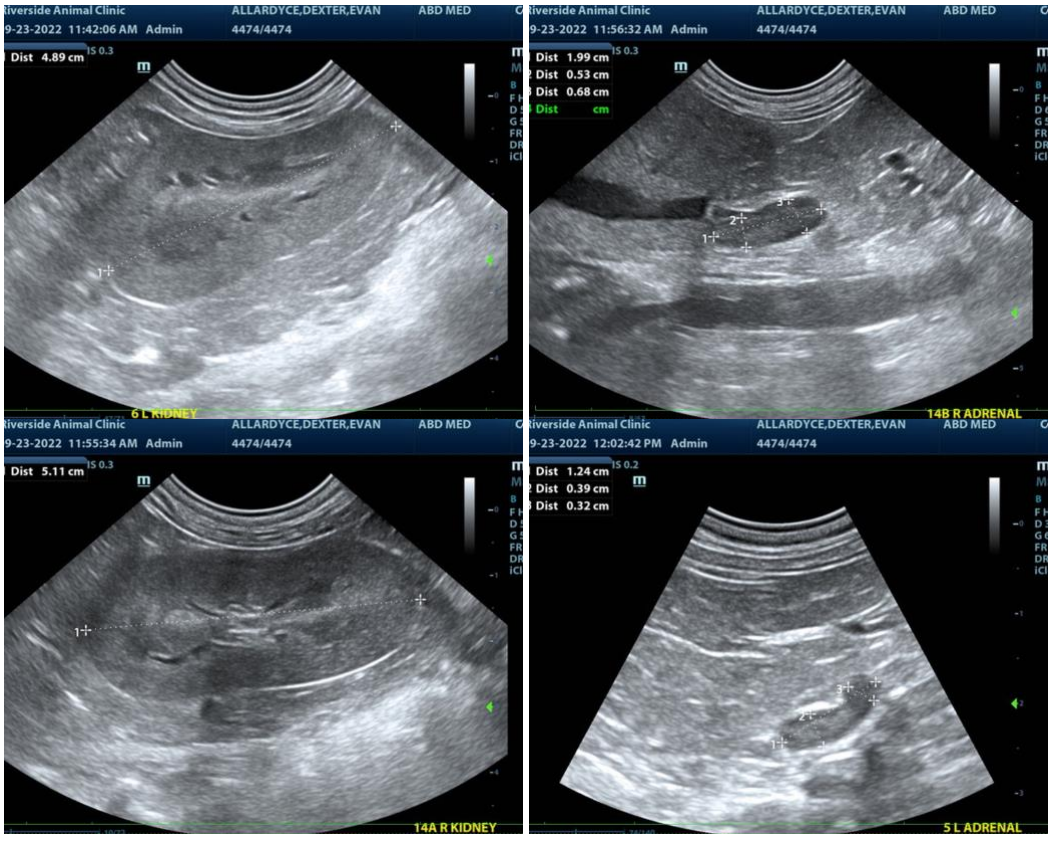
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Nodular hyperplasia liver pattern- FNA indicated for further definition
- Age-related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No other evidence of pathology.



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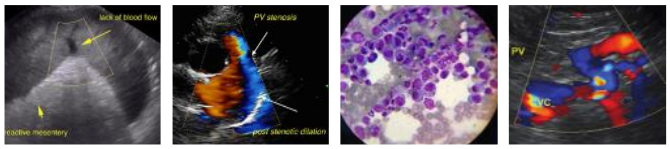

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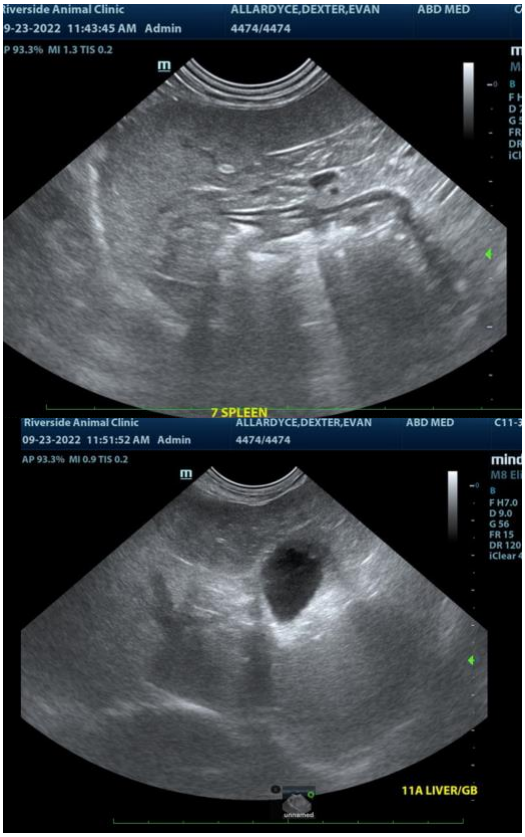

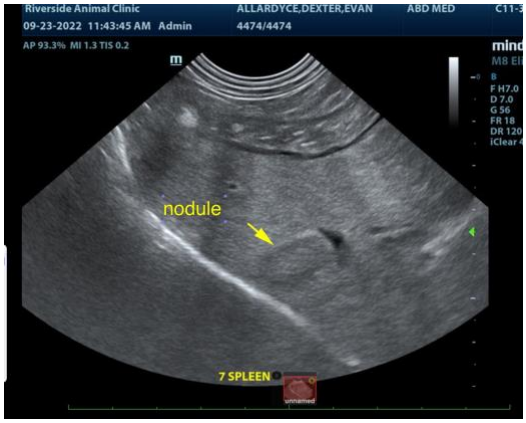

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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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