



PATIENT PRESENTING CLINICAL SIGNS

Ellie May Oppenheimer

Presented for AUS for increasing tBili (0.5 in in May, 1.4 7/19/23) and moderately elevated PSL (337). E/D normally, no PU/PD or other symptoms at home. P has experienced slight weight loss (20.3 in May), and low T4 (0.6).

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: tBili - 1.4 (7/19) PSL (337) T4 0.6

BREED

Shetland Sheepdog

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

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.

AGE

11 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 4.85 cm. The left kidney measured 4.4 cm.

WEIGHT

19.3 Pounds

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV

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 0.47 cm. The right adrenal gland measured 0.72 cm at the cranial pole and 0.48 cm at the caudal pole.

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Meg Walker

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.

HOSPITAL NAME

Weddington AH

REFERRING VET

Dr. Meg Walker

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. Minor gallbladder polyps noted, polypoid hyperplasia likely. 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. No evidence of significant disease, expected changes for this age patient.

INVOICE

44249

DATE

7/21/23



PATIENT

Gastrointestinal

Ellie May Oppenheimer

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Soft stool noted in the colon.

SPECIES

Pancreas

Canine

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.

BREED

Shetland Sheepdog

ULTRASONOGRAPHIC FINDINGS

SEX

- Age related hepatic changes and gallbladder polyps

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

Recommend reassessment of the bilirubin value as to potential lab error or artifact related elevated bilirubin, as there is no structural evidence of clinically significant liver disease, and I would expect other liver enzymes to be elevated.

WEIGHT

19.3 Pounds

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Eric Lindquist, DMV
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IMAGING PERFORMED BY

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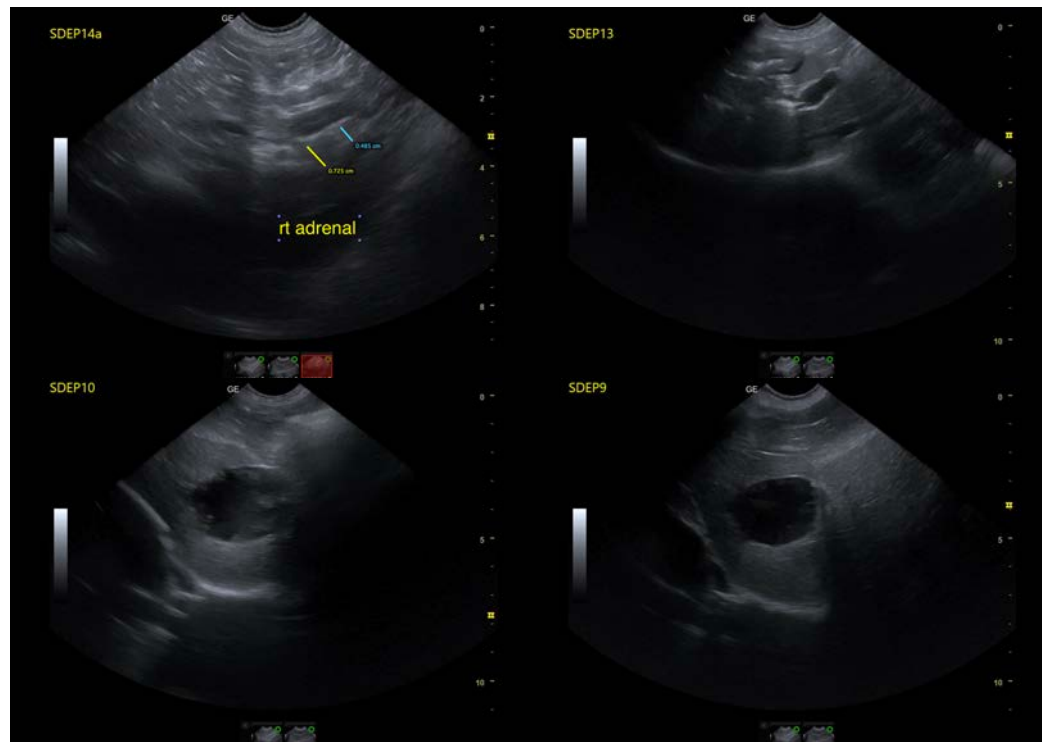
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Canine

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Spayed Female

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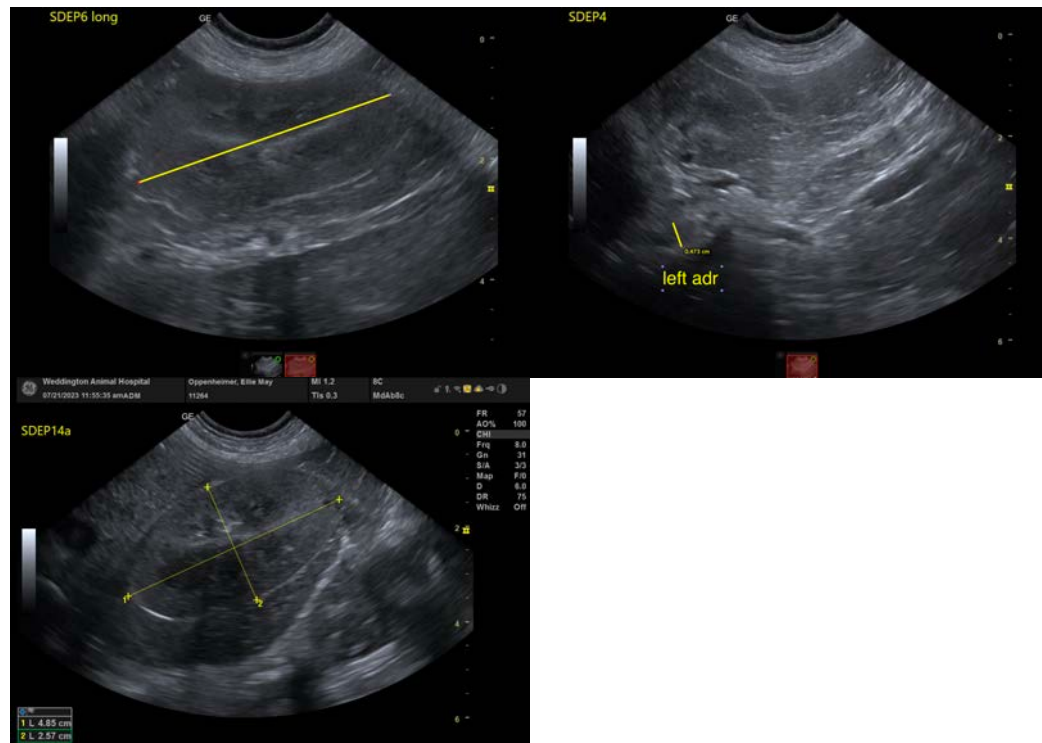
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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