



PATIENT PRESENTING CLINICAL SIGNS

Andy Hyland History: Patient presented for annual exam and owner wanted to run senior bloodwork
Abnormal PE/Chem/CBC/UA Results: ALKP 1781 ALT was normal Unremarkable PE

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Shih Tzu

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. 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

Neutered male

AGE

8 years

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. A cortical infarct was noted at the cranial pole of the left kidney. There is no evidence of active inflammation. The right kidney revealed slight cortical infarcts. The left kidney measured 4.53 cm. The right kidney measured 4.5 cm. Blood flow appeared adequate on Power Doppler assessment.

WEIGHT

19.4 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Dr. Mack

Spleen

HOSPITAL NAME

Northside VC

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.

REFERRING VET

Dr. Mack

Liver

INVOICE

97801

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.

DATE

3/25/22



PATIENT

Gastrointestinal

Andy Hyland

The **stomach** presented progressively shadowing luminal material. This is likely hairball accumulation. The small intestines and colon were unremarkable.

SPECIES

Canine

Pancreas

BREED

Shih Tzu

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

ULTRASONOGRAPHIC FINDINGS

Neutered male

Renal infarcts, appears stable.

Hairball density in the stomach.

AGE

8 years

Age related abdominal changes otherwise.

WEIGHT

19.4 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of neoplasia.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

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HOSPITAL NAME

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REFERRING VET

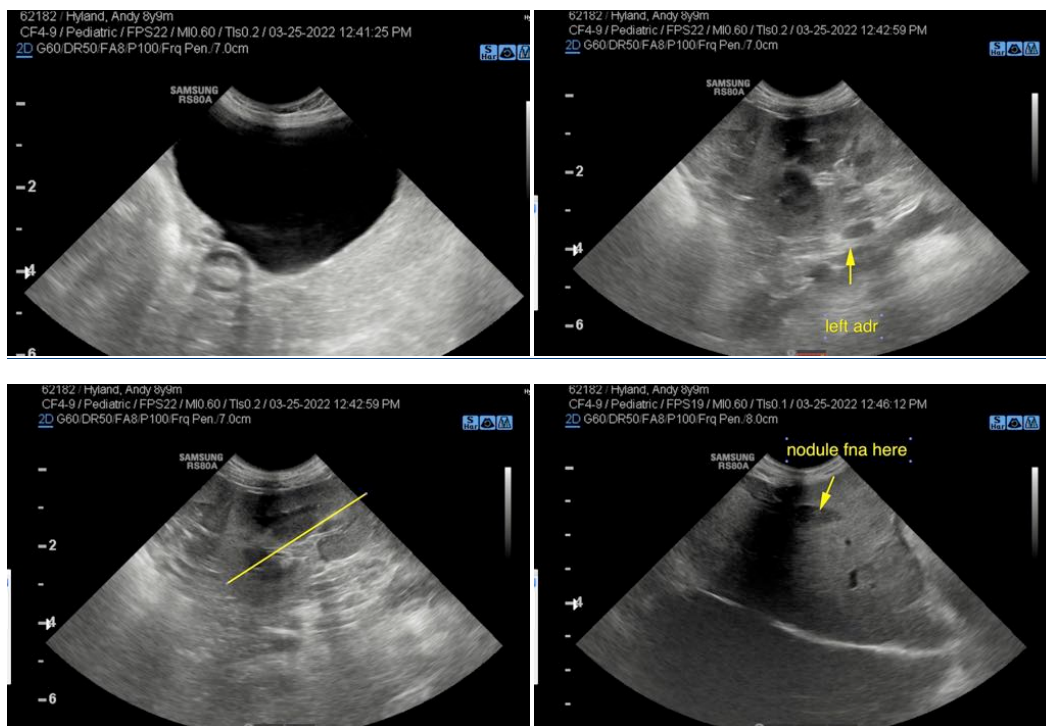
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PATIENT

Andy Hyland

SPECIES

Canine

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Neutered male

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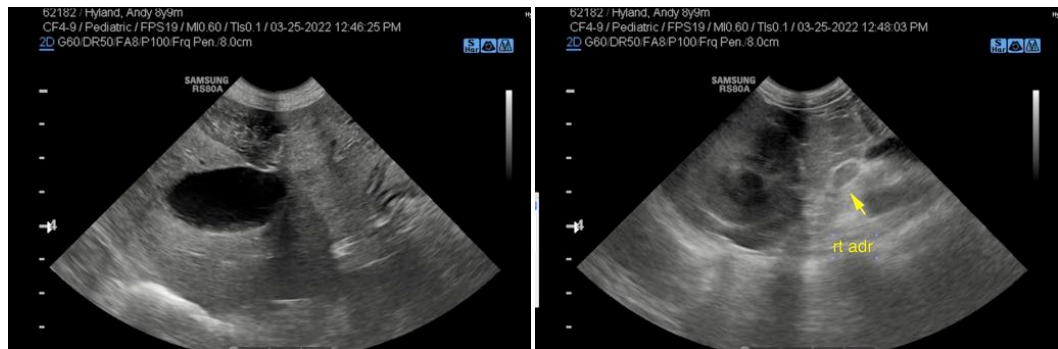
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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