



PATIENT PRESENTING CLINICAL SIGNS

Annie Logan History: First seizure today, history of IBD and elevated ALP

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED

Lhasa Apso Mix

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

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left and right kidney measured 4.0 cm.

AGE

11 years

Adrenal Glands

WEIGHT

13 lbs

The left **adrenal gland** was 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 0.5 cm. The right adrenal gland was not visualized.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Dr. Buss

The **spleen** revealed minor, heterogenous parenchymal changes. This is consistent with hemosiderin and lipogranuloma deposits.

HOSPITAL NAME

Kings VH

Liver

REFERRING VET

Dr. Buss

Exam of the cranial abdomen demonstrated excessive **liver** size and swollen contour. Mild, coarse architecture was noted with increased portal markings and minor parenchymal remodeling is suggestive of an inflammatory component. Minor excessive GB debris was noted with the presence gall bladder dilation and precipitate without the overt formation of mucocele but this may be an issue in the future. This type of liver presentation typically is associated with slow and gradual SAP elevations with low-grade ALT rise. USG-FNA sampling is encouraged if more aggressive LE profiles are present such as ALT > 200 or rapid rise in SAP. These presentations are usually reactive hepatopathies owing to other disease processes either endocrine (Diabetes, Hypothyroidism, Cushing's disease), "antigen surveillance" from the gut/pancreas, or idiopathic breed predisposed progressions.

INVOICE

30180

Gastrointestinal

DATE

5/5/22

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



PATIENT

Annie Logan

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

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.

BREED

Lhasa Apso Mix

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

Unremarkable abdomen.

Benign hepatopathy.

AGE

11 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

13 lbs

If adrenal disease is suspected then further imaging of the right adrenal gland is indicated. There was no evident abdominal disease directly related to the seizure activity; however, if hypertension is an issue then further imaging of the right adrenal gland is indicated to rule out potential adrenal tumor. However, the region of the right adrenal gland was largely unremarkable. CT with contrast of the CNS is recommended given the patient's history and age.

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Eric Lindquist, DMV
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IMAGING PERFORMED BY

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HOSPITAL NAME

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REFERRING VET

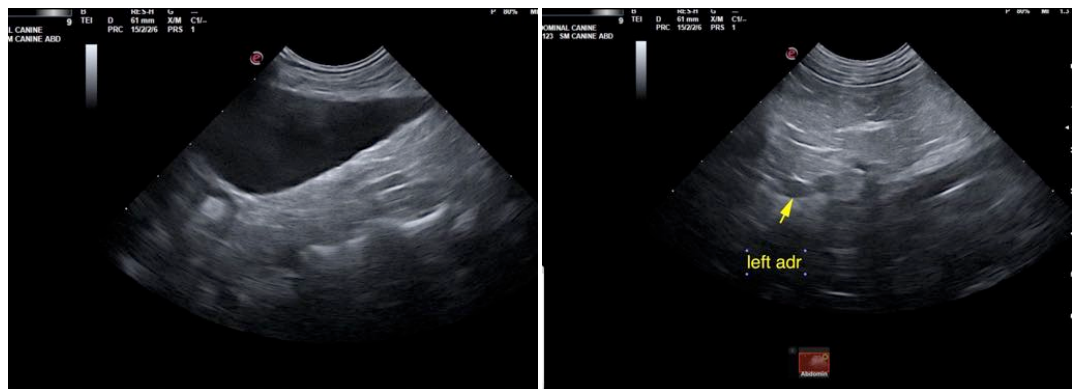
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PATIENT

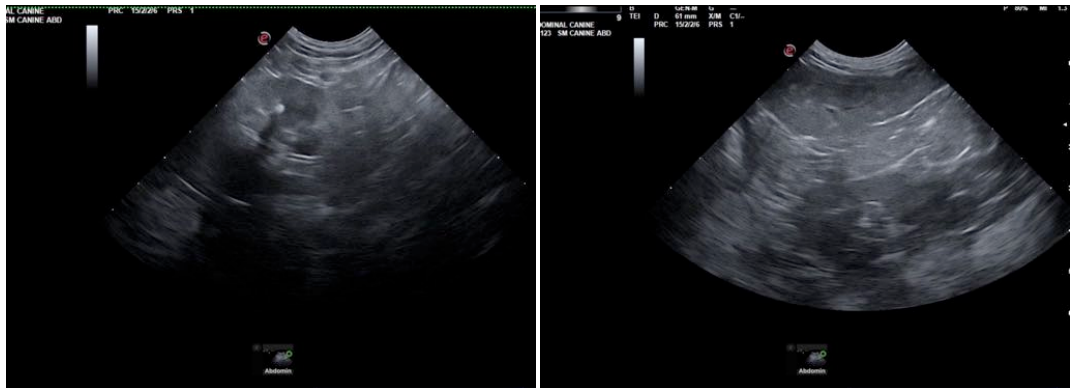
Annie Logan

SPECIES

Canine

BREED

Lhasa Apso Mix



SEX

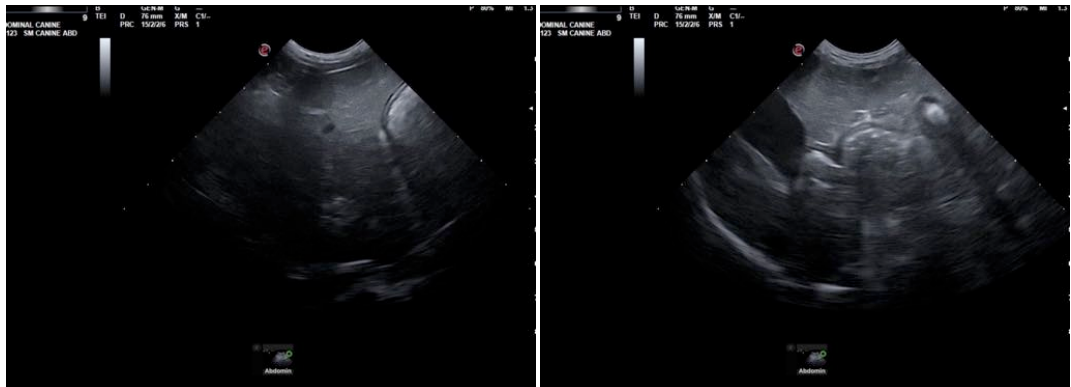
Spayed Female

AGE

11 years

WEIGHT

13 lbs



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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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