



PATIENT

Simba Voutsara

PRESENTING CLINICAL SIGNS

PU/PD

Elevated ALP 808, ALT 161

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Shepherd Mix

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction and appeared normal. 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

AGE

12 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.0 cm. The right kidney measured 6.8 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Eric Lindquist, DMV
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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 2.22 x 0.73 cm at the cranial pole and 0.7 cm at the caudal pole. The right adrenal gland was at the upper limits of normal and measured 2.37 x 1.0 cm at the caudal pole and 1.72 cm at the cranial pole.

HOSPITAL NAME

Greenwood Lake AH

Spleen

REFERRING VET

Dr. Louer

The **spleen** was mildly enlarged and folded upon itself. The spleen revealed uniform parenchyma with no evidence of pathology.

INVOICE

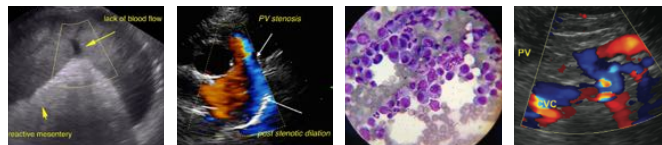
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Liver

DATE

3/21/23

Exam of the cranial abdomen demonstrated excessive **liver** size, swollen contour, with conserved uniform architecture. Parenchymal echogenicity was diffusely isoechoic to the spleen and falciform fat. Multi-focal, non-disruptive nodules were noted. The largest measured up to 1.7 cm. No significant progression from the prior sonogram. 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.



PATIENT

Gastrointestinal

Simba Voutsara

The pylorus was mildly thickened in this patient without loss of mural detail. The wall thickness measured up to 0.8 cm. The lumen was empty. The small intestine and colon were unremarkable.

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

Shepherd Mix

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

Benign hepatopathy, nodular hyperplasia pattern.

Age related abdominal changes with minor, prominent right adrenal gland.

AGE

12 years

Subjectively benign abdomen for this age patient.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No specific therapy is recommended.

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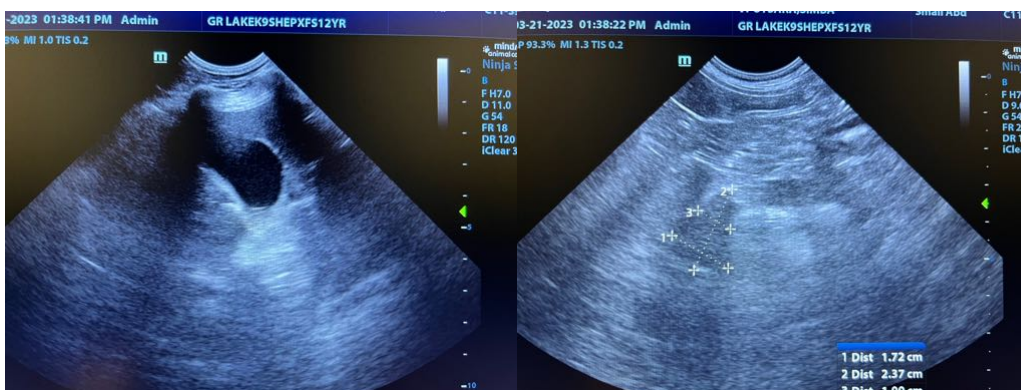
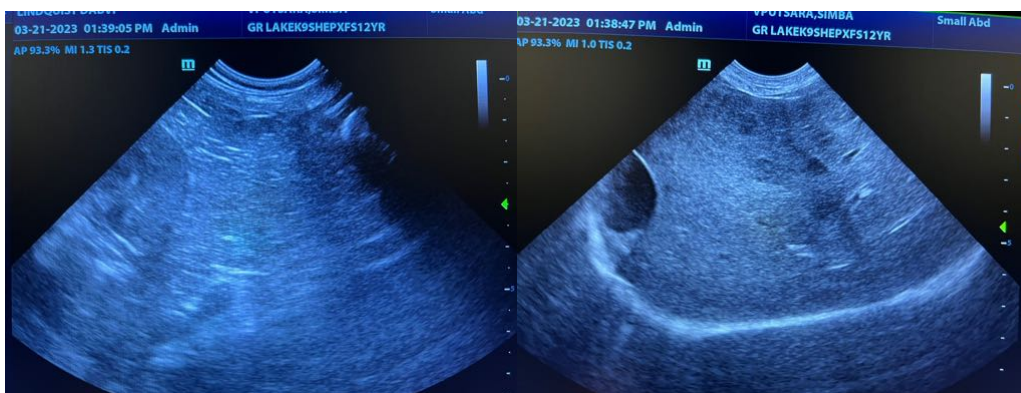
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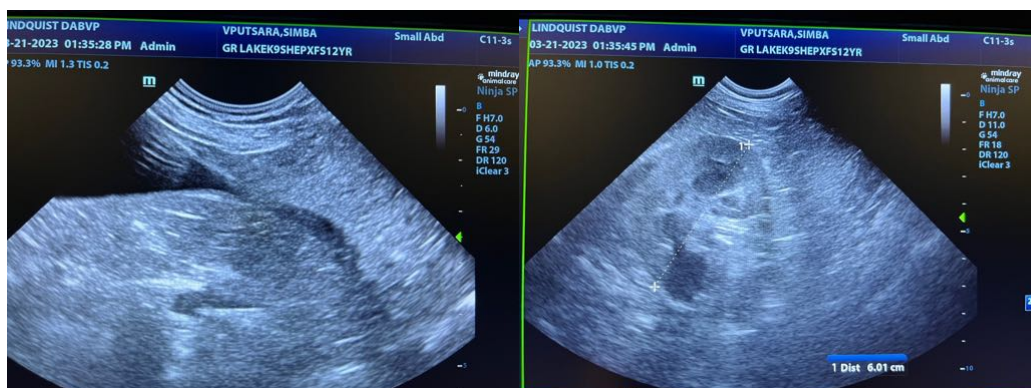
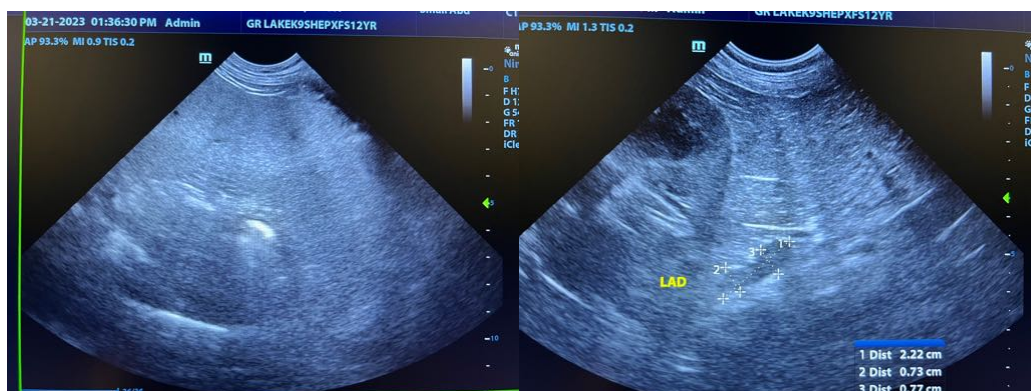
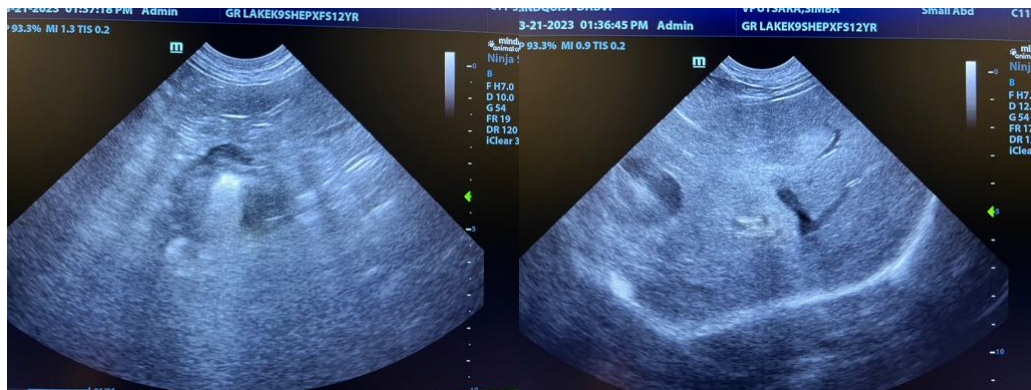
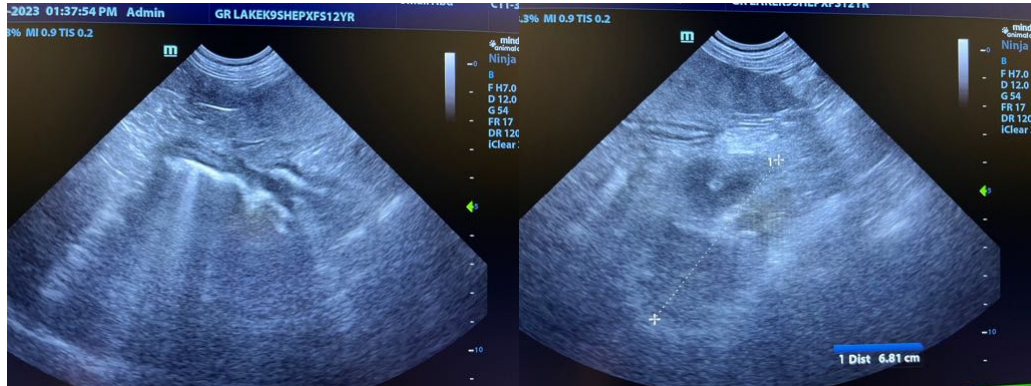
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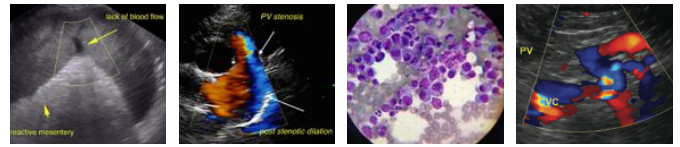
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PATIENT

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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.

SPECIES

Canine

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.

BREED

Shepherd Mix

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Info@SonoPath.com

SEX

Spayed female

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