



PATIENT

Ellie Kale

PRESENTING CLINICAL SIGNS

History: AST-563 ALT-2683 alkphos-1058 GGT-22

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Mix

Urinary System

The urinary bladder is full with a normal thickness and smooth appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

SEX

Spayed female

Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.

Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

AGE

15 years

Normal renal size (left measured 4.5 cm, right measured 5.6 cm), increased echogenic appearance, some loss of cortico-medullary differentiation and normal pelvis and capsule. No infarcts, mineralization or renoliths evident. Normal color flow pattern is evident in both kidneys.

WEIGHT

40 lbs

Adrenal Glands

Normal shape, echogenic appearance, size, position, and appearance of the visible peri-adrenal vasculature. Left adrenal gland measured 2.03 cm in length x 0.72 cm and 0.47 cm in width. The right adrenal gland measured 2.95 cm in length x 0.7 cm in width.

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med),
PhD, Dipl. ECVIM

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident. The spleen measured 2.2 cm in width.

IMAGING PERFORMED BY

Kerri Becker

HOSPITAL NAME

Companion AH
Parsippany

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Normal appearance of the hepatic and portal vasculature.

REFERRING VET

Dr. Tsai

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Gallbladder

The gallbladder is small containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.

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Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen.

Pancreas

The visible sections of the pancreas are of normal size and echogenic appearance with a regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Normal mesenteric lymph nodes.

No ascites evident.

ULTRASONOGRAPHIC FINDINGS

- Age related renal changes versus early chronic kidney disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

On this ultrasound there is no obvious etiology for the severely elevated liver enzyme activity.

Although the liver appears ultrasonographically normal, with the severely elevated liver enzyme activity, an underlying hepatopathy should still be considered.

If the clinical presentation is of an acute nature then etiologies to consider would be acute hepatitis such as toxins, viral, bacterial and possibly Leptospirosis. If the presentation is more of a chronic nature, then etiologies to consider would be chronic active hepatitis and infiltrative neoplasia with reactive hyperplasia, vacuolar and metabolic less likely differential diagnosis.

Further assessment of an acute nature would be Leptospirosis PCR and FNA cytology.

If the presentation is more of a chronic nature then further assessment would be FNA cytology of the liver; however, a tru cut or wedge biopsy may be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis.



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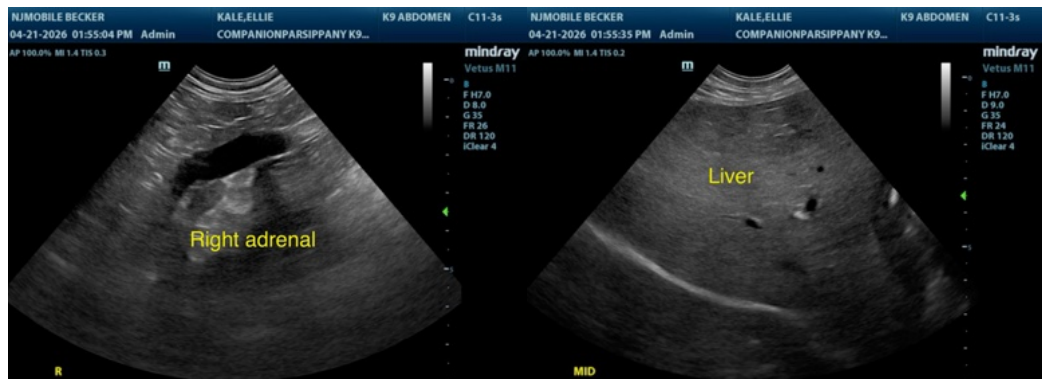
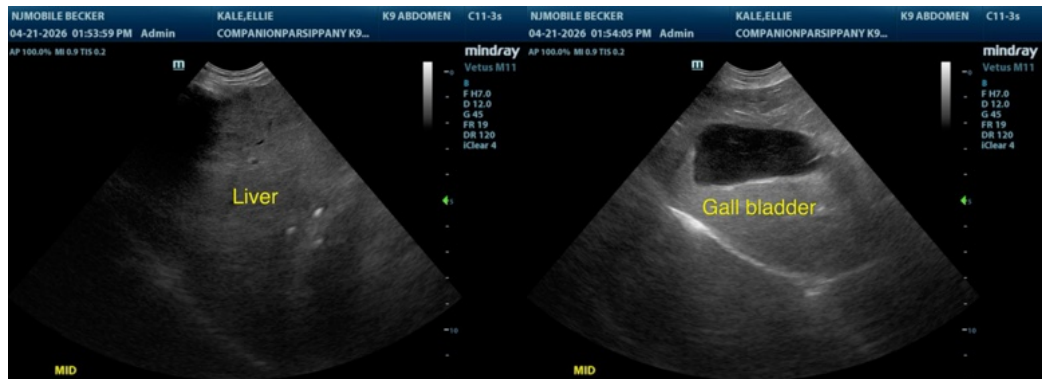
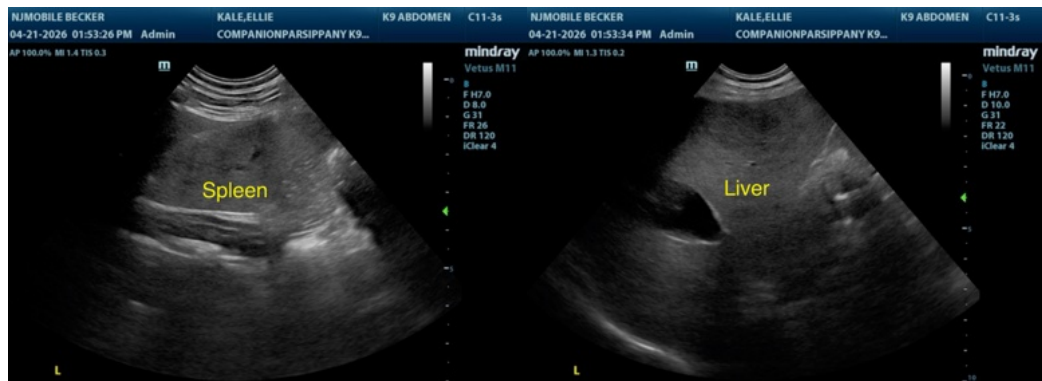
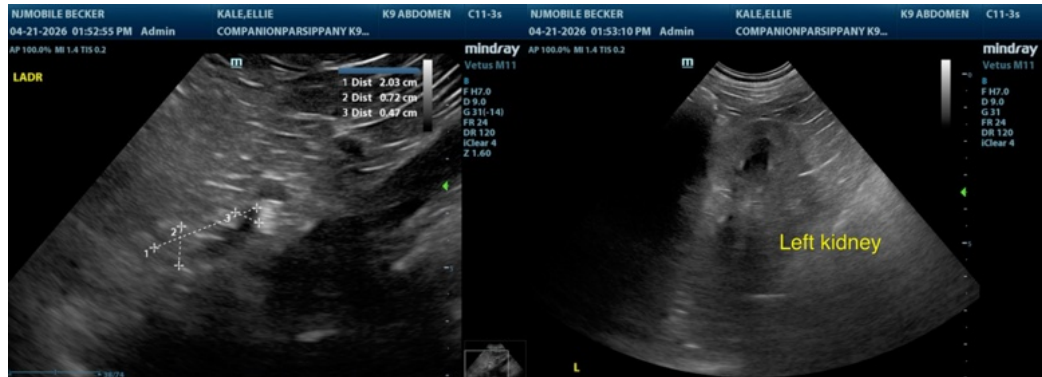
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)

info@sonopath.com