



PATIENT PRESENTING CLINICAL SIGNS

Doug Adam vomiting, anorexia, elevated liver values. On cerenia and ampicillin
Abnormal PE/Chem/CBC/UA Results: ALT 696, ALKP 251

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

Lab X

Prostate (neutered) is normal in size, echotexture and echogenicity for a neutered male.

SEX

Neutered Male

The right kidney is normal in size (7.74 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed. Cortical cysts are noted.

AGE

10.5 Pounds

The left kidney is normal in size (7.86 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed. Cortical cysts are noted.

Adrenal Glands

WEIGHT

98.6 Pounds

The right adrenal gland is normal in size (3.89 cm long x 1.44 cm at the cranial pole and 0.63 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

The left adrenal gland is normal in size (2.46 cm long x 0.71 cm at the cranial pole and 0.76 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

Spleen

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The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

HOSPITAL NAME

Newton Vet Hospital

The liver is subjectively small in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

REFERRING VET

Dr.

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

Gastrointestinal

INVOICE

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The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is mildly fluid distended combined with some echogenic debris consistent with normal ingesta. Pyloric outflow tract appears patent.

DATE

2/15/22

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions



PATIENT

Doug Adam

per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

SPECIES

Canine

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Pancreas

BREED

Lab X

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

SEX

Neutered Male

Free Abdomen

There is no evidence of peritoneal effusion. There is no apparent lymphadenopathy.

PRIMARY FINDINGS

- Subjectively mild microhepatica – Differentials include normal anatomic variant versus chronic active hepatitis versus less likely (and not present in these images) but possible vascular anomaly.

AGE

10.5 Pounds

SECONDARY FINDINGS

- Incidental bilateral cortical cysts

WEIGHT

98.6 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommendations include bile acids if not recently evaluated, given the subjective microhepatica, to further assess liver function. Testing for Leptospirosis is also recommended in the form of serology if this patient is already receiving antibiotics versus PCR. In the meantime, medical management is recommended with broad-spectrum antibiotics and liver protectants such as Denamarin with monitoring of liver enzymes for improvement. If a diagnosis is not obtained from the aforementioned diagnostics, and liver enzymes do not improve with antibiotic therapy, a liver biopsy is recommended.

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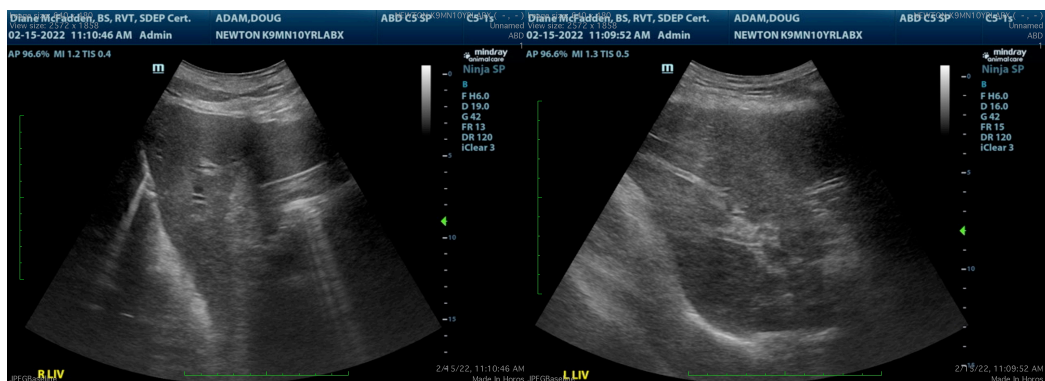
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SPECIES

Canine

BREED

Lab X

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Neutered Male

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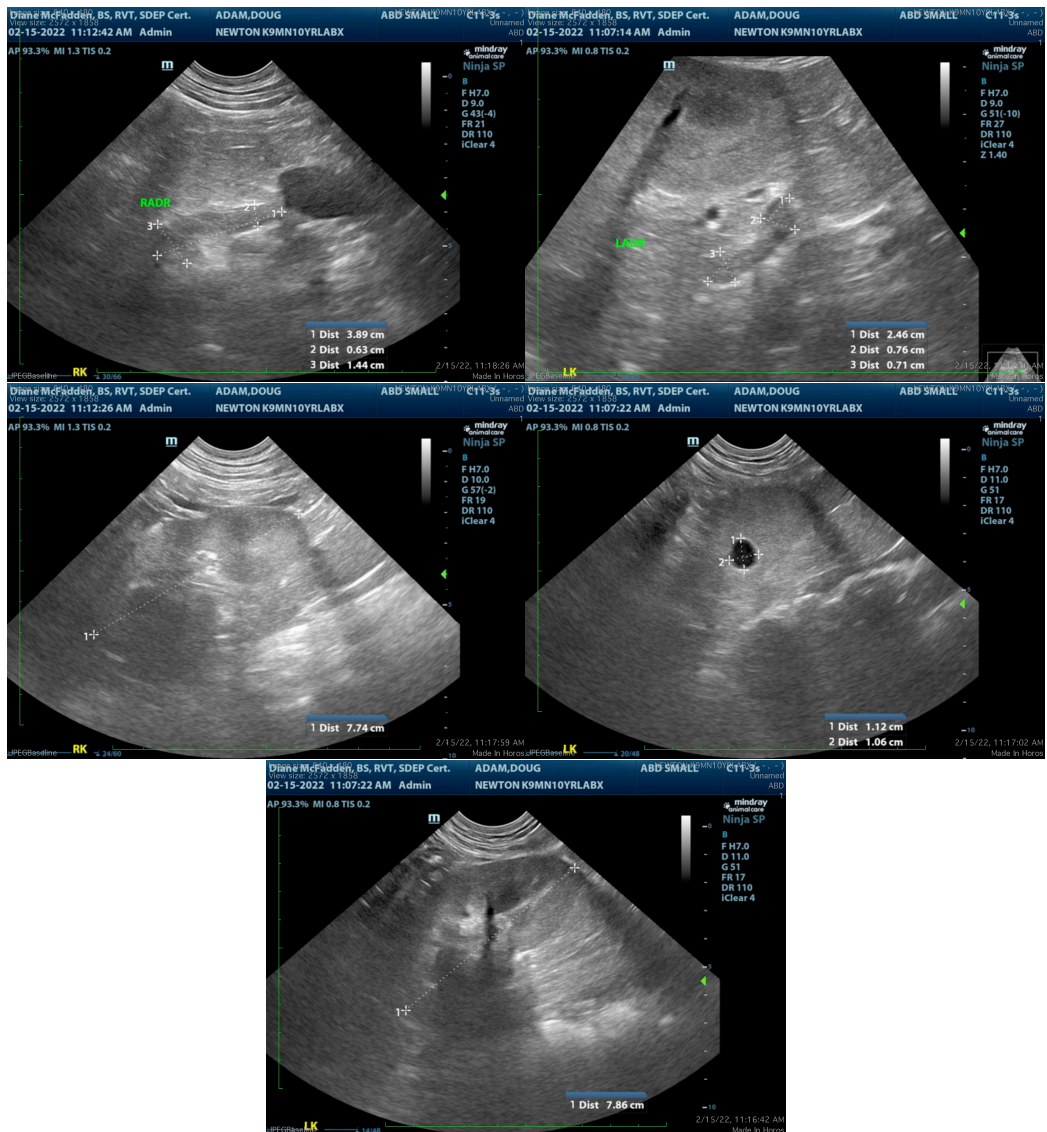
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com