

PATIENT PRESENTING CLINICAL SIGNS

Enzo Held Recheck, worsening liver values FNA of liver performed. currently on ursodiol, aventi liver complete
Abnormal PE/Chem/CBC/UA Results: Chloride - 101, ALT - 330, ALP - 1345, GGT - 42, Chol - 13.7,
Lipase - 969

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Poodle

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild particulate, primarily non-dependent sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

SEX

Neutered Male

The residual prostate was free of pathology.

AGE

11 Years

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Mild non-uniform increased cortex echogenicity was noted with pinpoint medullary mineral present in both kidneys. No overt pyelonephritis. The left kidney measured 6.4 cm. The right kidney measured 6.1 cm.

WEIGHT

18.4 Pounds

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. No evidence of hyperplasia. No adrenal tumors. The left adrenal gland measured 2.6 cm length x 0.66 cm at the caudal pole. The right adrenal gland measured 2.7 cm length x 0.59 cm at the caudal pole.

Spleen

IMAGING PERFORMED BY

Kelly Reschny

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

HOSPITAL NAME

Norwich VS

Liver

REFERRING VET

Dr. Kungl

The liver exhibited subjective static generalized enlargement compared to the previous study. Primarily uniform mild increased parenchyma echogenicity noted with mild to moderate coarse echotexture. No hepatic masses or nodules. The capsule of the liver was symmetrical in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild gallbladder debris (subjectively improved since previous ultrasound). The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE

25697

Gastrointestinal

DATE

9/21/21

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic ingesta with subtle progressive distal acoustic shadowing, most consistent with post



PATIENT prandial presentation without signs of ileus, obstruction or foreign material. Gastric body wall measured 0.34 cm.

Enzo Held

SPECIES

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained echogenic, nonshadowing ingesta consistent with normal food without signs of ileus, obstruction or foreign material. Duodenum wall measured 0.36 cm.

Canine

Normal visible colon wall layers were present with apparent formed feces in lumen.

BREED

Pancreas

Poodle

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

SEX

Free Abdomen

Neutered Male

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

11 Years

- Chronic hepatopathy
- Mildly improved gallbladder debris
- Static bilateral chronic renal changes
- Heterogeneous pancreas – patient or age related variant, parenchymal remodeling owing to previous inflammation or chronic inflammation possible.

WEIGHT

18.4 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.

IMAGING PERFORMED BY

Kelly Reschny

The overall appearance of the liver was similar to the previous ultrasound without evidence of progressive parenchymal changes or enlargement. Although not definitive, the overall liver continues to suggest chronic benign hepatopathy with cholangiohepatitis considered a primary differential diagnosis with potential for metabolic/reactive/vacuolar hepatopathy (diabetic hepatopathy), lipidosis, with hepatic neoplasia considered an unlikely differential diagnosis.

HOSPITAL NAME

Norwich VS

Hepatic core biopsy +/- bile culture and sensitivity is likely required for definitive diagnosis. Continued hepatosupportive medications are recommended. If not previously done, antibiotic trial such as Amoxicillin/Metronidazole initially for two weeks with reassessment of hepatic enzymes may be considered. Potentially 4-6 week antibiotic protocol may be indicated if improvement in hepatic enzymes are noted. Alternatively, discontinuation of antibiotics recommended if no improvement.

REFERRING VET

Dr. Kungl

ACTH stim may be considered if clinical suspicion of adrenal disease or USG <1.020.

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**IMAGING
PERFORMED BY**

Kelly Reschny

HOSPITAL NAME

Norwich VS

REFERRING VET

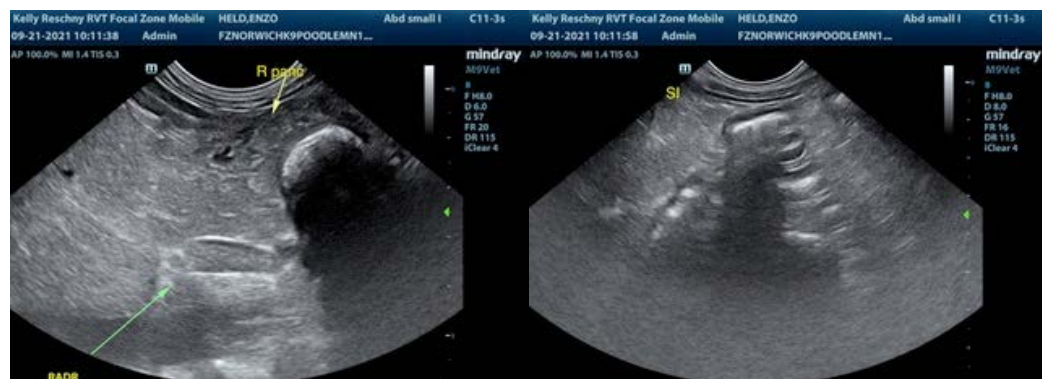
Dr. Kungl

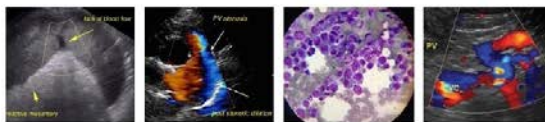
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PATIENT

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SPECIES

Canine

BREED

Poodle



SEX

Neutered Male

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

AGE

11 Years

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.

WEIGHT

18.4 Pounds

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