



PATIENT

Rocky Murphy

SPECIES

Canine

BREED

Cattle Dog Mix

SEX

MN

AGE

5 years

WEIGHT

61 lbs.

INTERPRETED BY

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

IMAGING

PERFORMED BY

Karen Ebersole, DVM,
DABVP (Canine/Feline
Practice)

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Norman

INVOICE

16394

DATE

3/15/23

PRESENTING CLINICAL SIGNS

History of on and off inappetence, soft stool and lethargy.

Abnormal PE/Chem/CBC/UA Results: 2/25/23: ALT 956, ALP 360. 2/14/23: ALT 1042, ALP 378. 6/7/22 : All liver enzymes normal.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No mineral or calculi was noted. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

No overt pathology is associated with the residual prostate.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.0 cm in length. The right kidney measured 5.4 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.64 cm width at the cranial pole. The right adrenal gland was overtly normal in size, position, and shape subjectively measuring 0.76 cm width at the caudal pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. Normal hepatic vascular volume was noted. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.



PATIENT

Rocky Murphy

Gastrointestinal

SPECIES

Canine

The stomach presented sonographically normal visualized gastric walls. The lumen of the stomach contained mild ingesta exhibiting subtle progressive distal acoustic shadowing. No overt evidence of mechanical pyloric outflow obstruction was noted.

BREED

Cattle Dog Mix

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical / metabolic ileus, obstruction, or foreign material.

SEX

MN

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

AGE

5 years

Pancreas

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

WEIGHT

61 lbs.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable gastrointestinal tract with mild gastric ingesta
- Nonspecific yet subjective benign hepatopathy, sonographically unremarkable gallbladder

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically, no evidence of significant visceral pathology was noted.

IMAGING PERFORMED BY

Karen Ebersole, DVM,
DABVP (Canine/Feline
Practice)

The liver was sonographically normal with considerations including; suspected nonspecific inflammatory hepatopathy, given the primarily elevated ALT, with possible primary or concurrent vacuolar hepatic changes, hepatic cholestasis, given the elevated ALP, or other hepatopathy without overt evidence of vascular anomaly or neoplastic criteria. Further assessment of the liver may include, assuming normal clotting status, FNA cytology primarily to assess for or possibly identify inflammatory cells if present +/- Leptospiriosis titers / PCR. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Norman

Given the nonspecific to vague clinical signs in this patient, a resting cortisol level to rule assess for occult Addison's Disease could be considered, yet is thought less likely given the overly normal adrenal presentation. Some degree of possible minor metabolic or functional gastric stasis could be possible if documented NPO.

INVOICE

16394

DATE

3/15/23

Empirically, a hydrolyzed diet trial, high colony count probiotic, empirical deworming, and hepatosupportive medications with an assessment of gastrointestinal and hepatic response pending additional diagnostics may prove beneficial. Hepatic core surgical biopsy may be required for a definitive diagnosis.



PATIENT

Rocky Murphy

SPECIES

Canine

BREED

Cattle Dog Mix

SEX

MN

AGE

5 years

WEIGHT

61 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Karen Ebersole, DVM,
DABVP (Canine/Feline
Practice)

HOSPITAL NAME

Scanvet

REFERRING VET

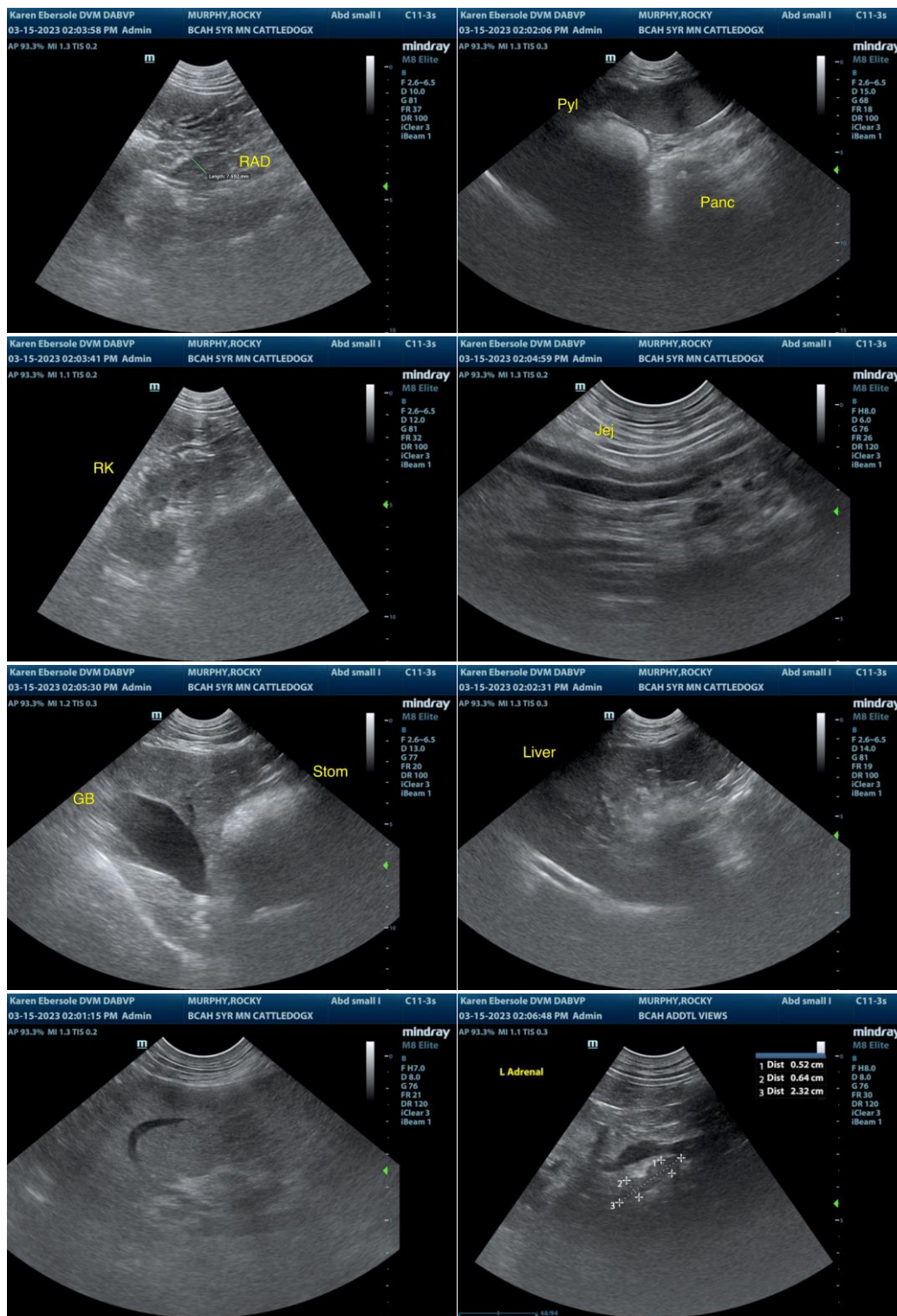
Dr. Norman

INVOICE

16394

DATE

3/15/23





PATIENT

Rocky Murphy

SPECIES

Canine

BREED

Cattle Dog Mix

SEX

MN

AGE

5 years

WEIGHT

61 lbs.

INTERPRETED BY

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

IMAGING

PERFORMED BY

Karen Ebersole, DVM,
DABVP (Canine/Feline
Practice)

HOSPITAL NAME

Scanvet

REFERRING VET

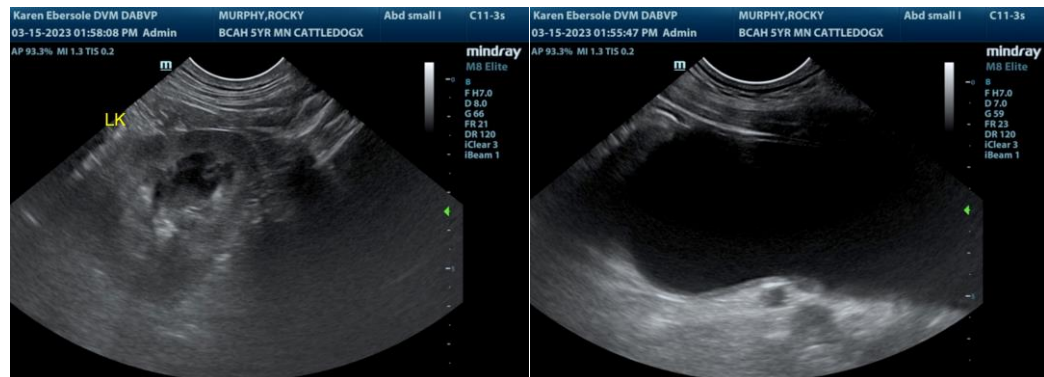
Dr. Norman

INVOICE

16394

DATE

3/15/23



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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com