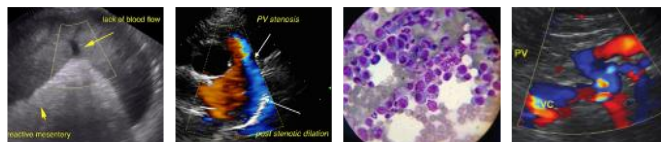




PATIENT	PRESENTING CLINICAL SIGNS
Knox Carter	Proteinuria. Suspect early renal disease. Current medications: Tamaril P and Telmisartan 20mg.
SPECIES	Abnormal PE/Chem/CBC/UA Results: BW: WNL including SDMA. HW4Dx: Lyme + (historical), QC6 <10. UA: SG 1.028, Prot 3+, Bld trace, RBC 2-5/HPF, Epi cells 2+. UPC 0.8 H.
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
West Highland White	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.
SEX	
MN	The right kidney was mildly subnormal in size compared to the left. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Bilateral cortical cysts were present. Discrete hyperechoic cortical foci suggestive of cortical microinfarction or fibrosis were present with definitive left kidney cortical infarct. Minor right kidney pyelectasia was present. The left kidney measured 5.5 cm in length. The right kidney measured 4.1 cm in length.
AGE	
13yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
22lb	Adrenal Glands
INTERPRETED BY	The adrenal glands were uniform in size with mild capsule asymmetry and discrete cranial right adrenal nodule measuring 0.65 cm x 0.3 cm. Concurrent discrete cranial and caudal pole left adrenal nodules were present. Caudal left adrenal nodule measured 0.47 cm x 0.45 cm. Overall the left adrenal gland measured 0.55 cm width at the caudal pole and 1.8 cm length. The right adrenal gland measured 0.47 cm width at the caudal pole and 1.9 cm length.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Spleen
IMAGING PERFORMED BY	The spleen exhibited normal size with areas of mild capsule asymmetry. Coalescing to indistinct hyperechoic medial nodules were present consistent with benign myelolipomas. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.
Dr. Ebersole	Liver/Gallbladder
HOSPITAL NAME	The liver presented borderline to mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and minor non-organized echogenic debris. The cystic and common bile ducts were normal.
Scanvet	Gastrointestinal
REFERRING VET	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.
Dr. McGarvey	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 ileus, obstruction or foreign material.
INVOICE	
13517ag	
DATE	
04/17/2023	



PATIENT

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

Knox Carter

Pancreas

SPECIES

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 was evident.

Canine

Free Abdomen

BREED

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

West Highland White

ULTRASONOGRAPHIC FINDINGS

SEX

- Bilateral mild to moderate chronic renal changes with cortical cysts, suspect cortical microinfarction vs fibrosis and definitive lateral left kidney infarct.
- Bilateral subtle adrenal nodules-suspect emerging adenomas.
- Coalescing hyperechoic medial splenic nodules vs medial capsule fibrosis benign.

MN

AGE

Secondary findings

13yr

- Subjective mild hepatomegaly- benign.
- Gallbladder debris (non-mucocele).

WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

22lb

The bilateral kidneys were non-specific with expected mild to moderate chronic renal changes given the patient's age. Potential for non-specific glomerulopathy given proteinuria with increased UPC likely. No evidence of intra-abdominal neoplastic criteria.

INTERPRETED BY

CKD therapy with as needed PLN therapy with monitoring of UPC level, renal values and systemic BP would be reasonable.

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

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

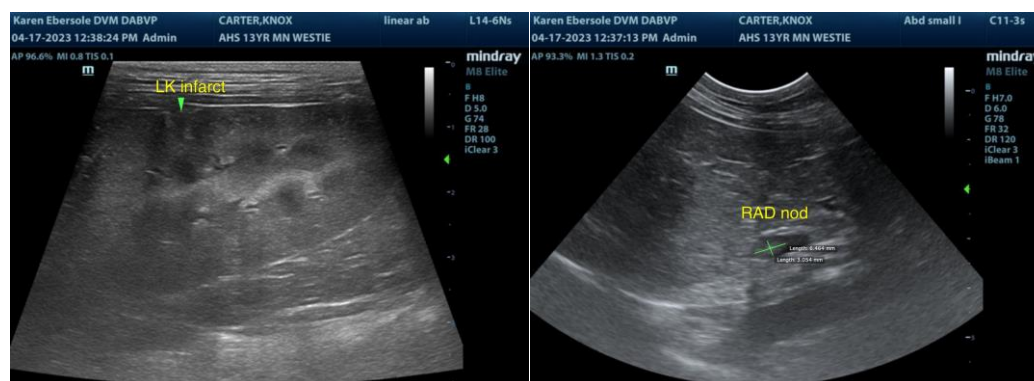
Dr. McGarvey

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DATE

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PATIENT

Knox Carter

SPECIES

Canine

BREED

West Highland White

SEX

MN

AGE

13yr

WEIGHT

22lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

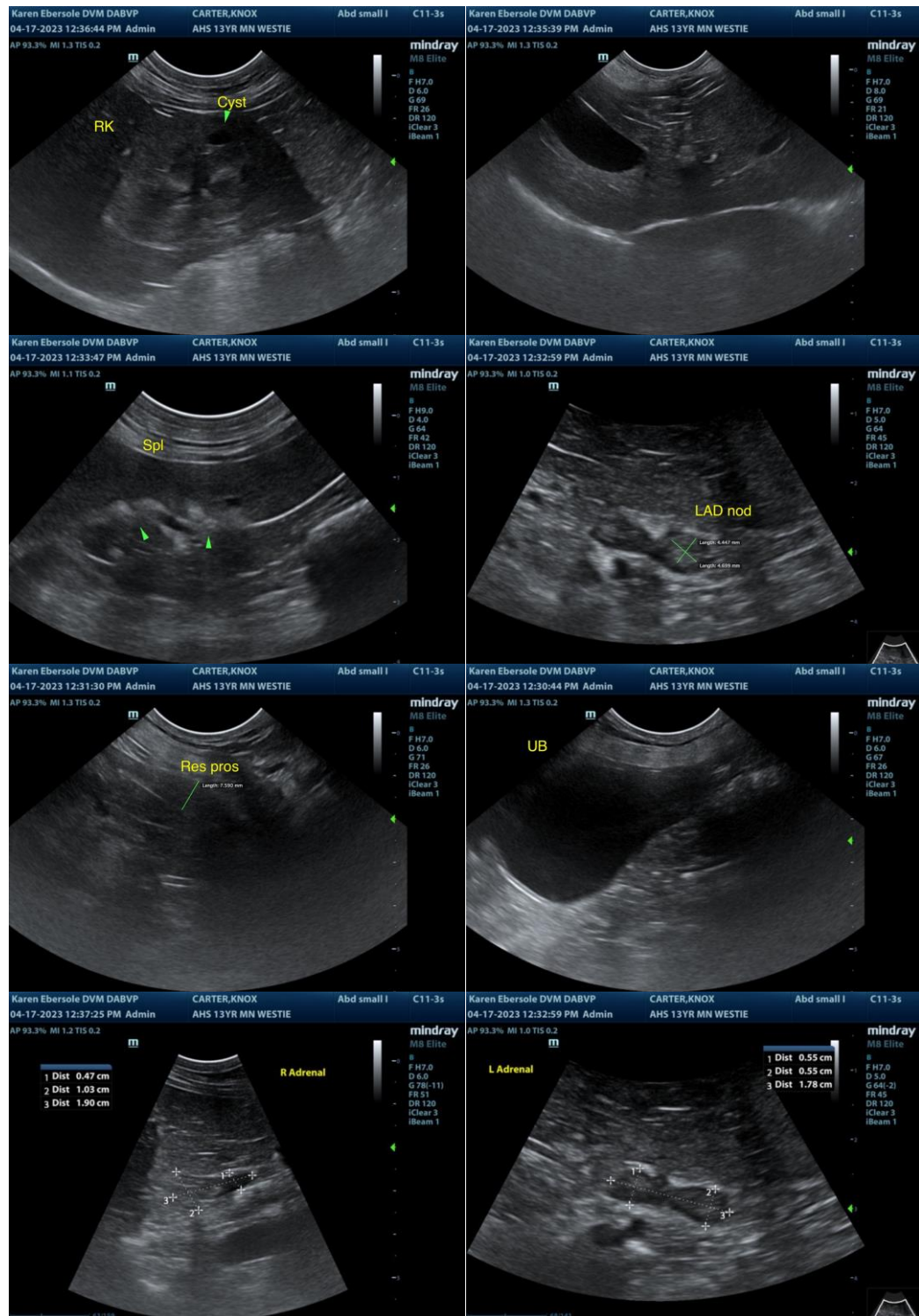
Dr. McGarvey

INVOICE

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DATE

04/17/2023



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



PATIENT

can be of any further assistance, please contact me.

Knox Carter

SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

Canine

BREED

West Highland White

SEX

MN

AGE

13yr

WEIGHT

22lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

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