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| PATIENT | PRESENTING CLINICAL SIGNS |
| Reggie Horn | -Re-aspirate spleen for immunophenotyping. |
| SPECIES | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| Canine | Urinary System |
| BREED | The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm 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 was noted. |
| Pomeranian | |
| SEX | The residual prostate was normal in size and contour. Subtle subjective hypoechoic parenchyma was present with pinpoint hyperechoic foci in the prostate. The prostate measured 0.8 cm in diameter. |
| Neutered Male | |
| AGE | The area of the aortic trifurcation was free of pathology. |
| 14 years | |
| WEIGHT | 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 mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Nonobstructive medullary mineral was present in both kidneys. No evidence of pelvic dilation was present. The left kidney measured 4.1 cm in length. The right kidney measured 3.6 cm in length. |
| 8.5 lbs | |
| INTERPRETED BY | Adrenal Glands |
| R. McKenzie Daniel, DVM, DABVP (Canine and Feline) | The bilateral adrenal glands were mild prominent in size yet symmetrical in contour with subtle nonhomogeneous, hypoechoic parenchyma. No parenchymal mineralization was noted. The left adrenal gland measured 1.7 cm length x 0.68 cm width at the caudal pole. The right adrenal gland measured 1.7 cm length x 0.38 cm width at the caudal pole |
| IMAGING PERFORMED BY | Spleen |
| Jessica Miller | The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. Previously noted, mildly expansive, nonhomogeneous to hypoechoic nodules were present in the mid and caudal aspects of the spleen, measuring 1.4 cm and 1.3 cm in diameter respectively. 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 | Liver/ Gallbladder |
| Newton VH | The liver exhibited potential for mild generalized enlargement. 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. Mild symmetrical lobar swelling exhibiting essential isoechoic parenchyma compared to adjacent hepatic parenchyma present in the right lateral to caudate liver lobe, measuring approximately 3.8 cm x 3.6 cm. The hepatic and portal vasculature were normal in appearance without signs of congestion. Previously noted, mild congealed gallbladder debris was present. The gallbladder was otherwise normal. The cystic and common bile ducts were normal. |
| REFERRING VET | |
| Dr. Leyman-Greenwald | |
| INVOICE | |
| 12302 | |
| DATE | |
| 9/27/21 | |



PATIENT

Gastrointestinal

Reggie Horn

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. The pylorus wall width measured 0.45 cm.

SPECIES

Canine

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. The jejunum wall width measured 0.32 cm.

BREED

Pomeranian

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

SEX

Neutered Male

Pancreas

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

AGE

14 years

Free Abdomen

No evidence of previously noted peritonitis. No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

8.5 lbs

ULTRASONOGRAPHIC FINDINGS

Primary Findings

INTERPRETED BY

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

- Normal residual prostate size with hyperechoic parenchyma foci
- Chronic renal changes with nonobstructive medullary mineralization
- Previously noted, subjectively static splenic nodules
- Mild right lateral or caudate hepatic lobar swelling - hematopoiesis, hyperplasia, hepatoma, or adenoma suspected, minor potential for emerging primary or less likely metastatic neoplasia cannot be excluded
- Sonographically unremarkable gastrointestinal tract - potential resolved or resolving gastroenteritis or inflammatory bowel
- Static mild gallbladder debris

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton VH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Dr. Leyman-Greenwald

The hyperechoic parenchyma foci are nonspecific and may indicate benign or age-related residual prostatic parenchyma changes. The potential for an emerging inflammatory or neoplastic process is considered less likely given the normal prostatic size yet cannot be definitively excluded.

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Screening right lateral to caudate liver FNA, assuming normal clotting status and pending spleen immunophenotyping, may be considered for further clarification. Sonographic monitoring of both the splenic nodules and right lateral to caudate lobar swelling would be a more conservative approach.

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Additionally, sonographic monitoring of the prostate is recommended.



PATIENT

Reggie Horn

SPECIES

Canine

BREED

Pomeranian

SEX

Neutered Male

AGE

14 years

WEIGHT

8.5 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton VH

REFERRING VET

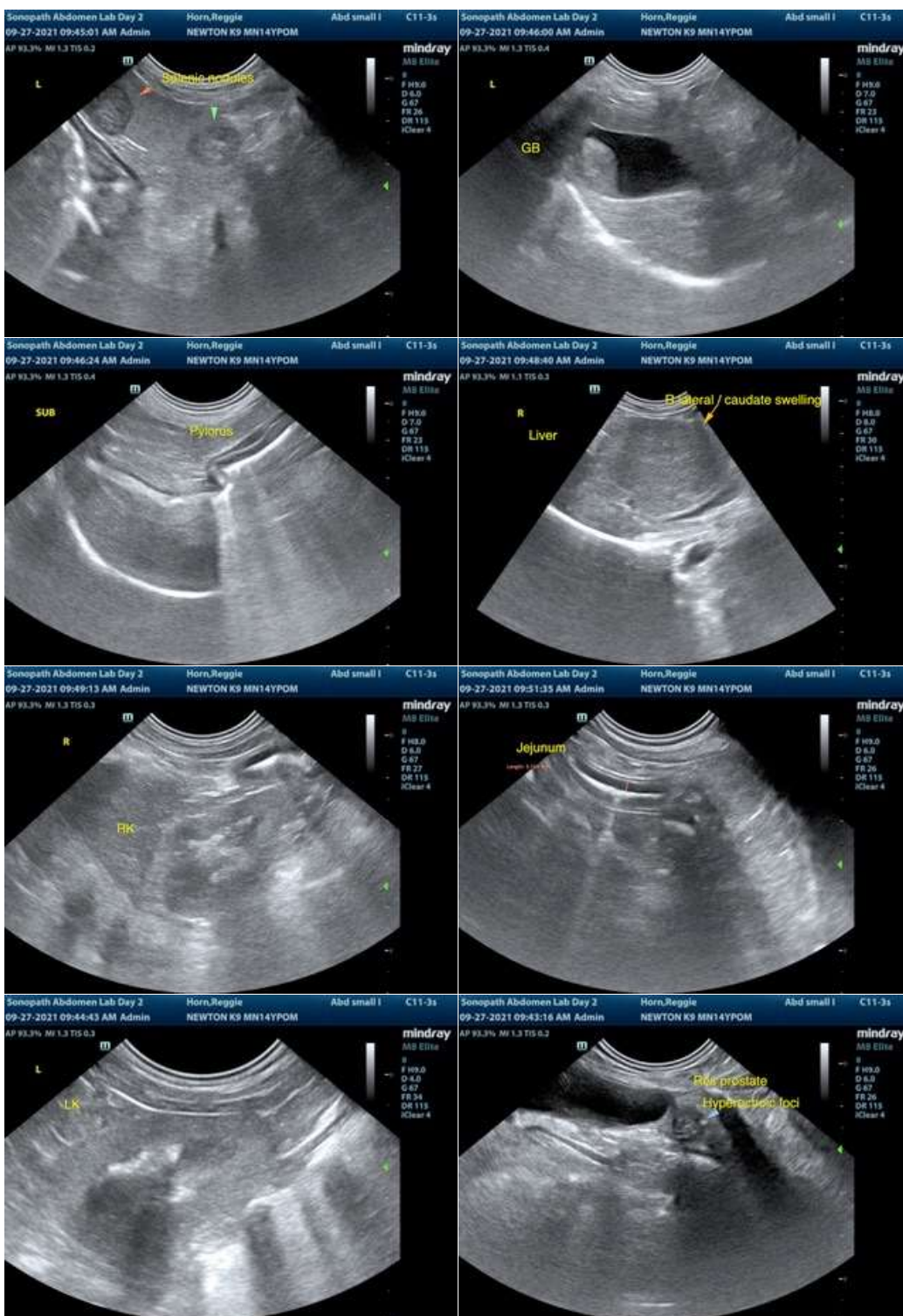
Dr. Leyman-Greenwald

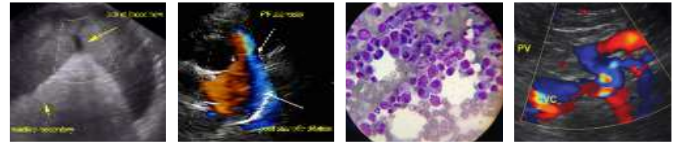
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PATIENT

Reggie Horn

SPECIES

Canine

BREED

Pomeranian

SEX

Neutered Male

AGE

14 years

WEIGHT

8.5 lbs

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Greenwald

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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.

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