



PATIENT	PRESENTING CLINICAL SIGNS
Riker Davidson	History: Non clinical for renal disease but recent changes in chemistry profile and UA Abnormal PE/Chem/CBC/UA Results: Recent elevation of SDMA and decrease in USG BUN Stable
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 were noted. Aortic trifurcation was normal.
Bernese Mtn. Dog	
SEX	The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.9 cm in diameter.
Neutered Male	
AGE	Normal size and margination was 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 6.2 cm in length. The right kidney measured 6.0 cm in length.
6 Years	
WEIGHT	Adrenal Glands
47 kg	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.87 cm width at the caudal pole and 0.66 cm width at the cranial pole.
INTERPRETED BY	The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.54 cm width at the caudal pole and 0.51 cm width at the cranial pole.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Spleen
IMAGING PERFORMED BY	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.
Dr. Belan	Liver
HOSPITAL NAME	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.
Aspen AC	
REFERRING VET	The gallbladder was non distended in size with mild congealed yet nonorganized mildly hyperechoic debris, primarily in the area of the caudal lumen and gallbladder neck. The cystic duct and common bile ducts were normal without evidence of dilation.
Dr. Ross	
INVOICE	Gastrointestinal
16249	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.
DATE	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.
6/23/22	



PATIENT

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

Riker Davidson

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 overt lymphadenopathy or peritoneal effusion was present.

Bernese Mtn. Dog

ULTRASONOGRAPHIC FINDINGS

SEX

Primary Findings

Neutered Male

- Sonographically normal kidneys
- Sonographically unremarkable urinary bladder- no sediment or calculi

AGE

Secondary Findings

6 Years

- Mild gallbladder debris

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

No sonographic evidence of overt renal or lower urinary tract pathology was present. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Conservative monitoring of renal parameters and urinalysis, at this stage, would be reasonable.

47 kg

INTERPRETED BY

Initiation of conservative support for early renal insufficiency may be considered, if persistent/progressive SDMA elevations and decrease in urine specific gravity.

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Aspen AC

REFERRING VET

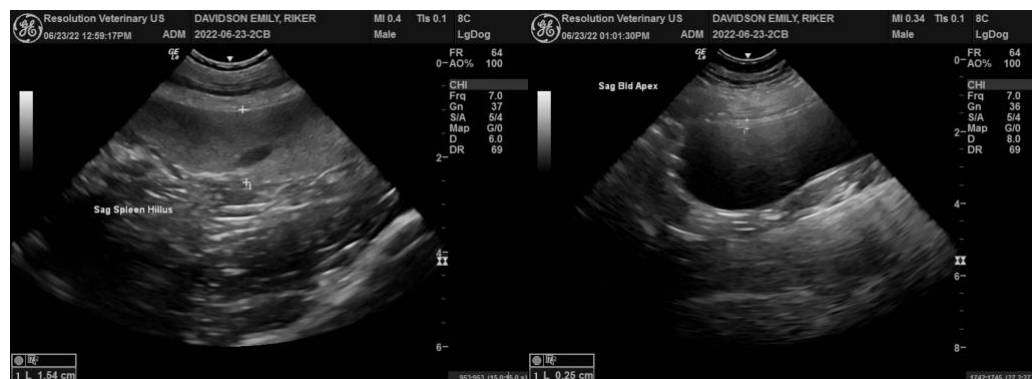
Dr. Ross

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DATE

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PATIENT

Riker Davidson

SPECIES

Canine

BREED

Bernese Mtn. Dog

SEX

Neutered Male

AGE

6 Years

WEIGHT

47 kg

INTERPRETED BY

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HOSPITAL NAME

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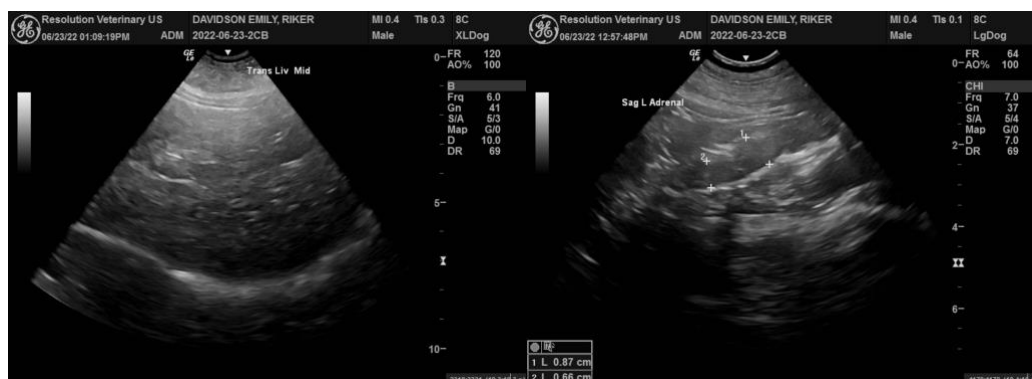
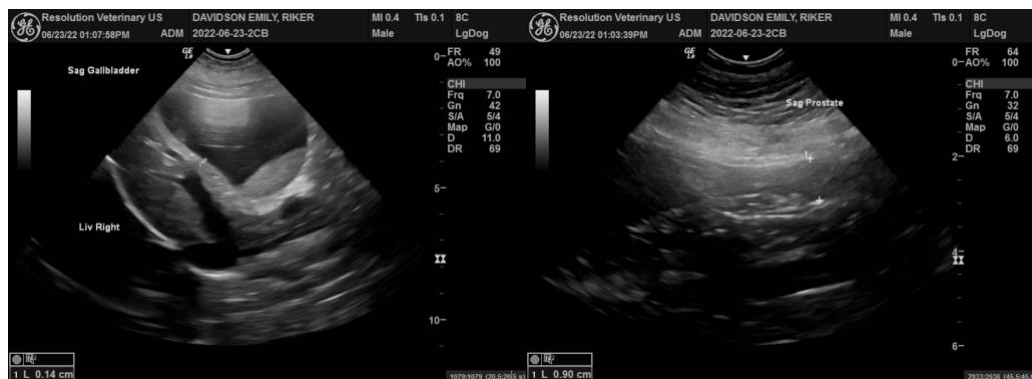
Dr. Ross

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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.



PATIENT

Riker Davidson

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.

SPECIES

Canine

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

BREED

Bernese Mtn. Dog

SEX

Neutered Male

AGE

6 Years

WEIGHT

47 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Belan

HOSPITAL NAME

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