**PATIENT**

Ryder Sirko

SPECIES

Canine

BREED

German Shepherd

SEX

Spayed female

AGE

3 years

WEIGHT

63 pounds

INTERPRETED BY
 R. McKenzie Daniel,
 DVM, DABVP
 (Canine and Feline)
IMAGING PERFORMED BY

Sarah Pender CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Adam White

INVOICE

10047ag

DATE

02/16/2022

PRESENTING CLINICAL SIGNS

History: 12/7/21 Increased urination, Red urine

Abnormal PE/Chem/CBC/UA Results: Exam findings and abnormal lab values: 12/7/21 free catch UA SG1.045, pH9, protein 500mg/dl ket 15mg/dl, WBC & RBC > 50/hpf non-squamous 3-5/hpf struvite 21-50/hpf RX Clavamox 10 days. Recheck free catch UA 1/13/22 Too much debris machine could not read RADS NSF, RX Clavamox 10days. ReCheck free catch UA 1/25/22 SG 1.031 pH 6.5, Pro 500mg/dl, UBG 1mg/dl, BIL 3mg/dl, BLD 250 WBC 6/HPF RBC >50/hpf.

Bloodwork 1/26/22 CBC WNL nRBC suspected, Chem 17 ALT 143 GGT 25 rest WNL. Rads NSF, Clavamox 10 days. Recheck free catch UA 2/9/22 SG1.46, pH 5, Pro trace, UBG 1mg/dl, Bil 1mg/dl, BLD 250, WBC 2/hpf, RBC 35/hpf. 2/16/21 ultrasound guided cysto: dark yellow, slightly cloudy, SpGr 1.040, pH 7.0, pro 30mg/dl, WBC 3/hpf, RBC 48/hpf, no bacteria. Urine sent for C/S

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder exhibited overall normal structure yet potential for mild decreased urethral tone to a depth of approximately 2-3 cm. 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.

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 pyelectasia. The right kidney measured 8.0 cm in length. The left kidney measured 8.5 cm in length.

No overt pathology noted in the area of the uterine remnant.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

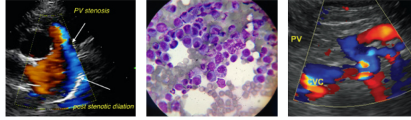
The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.79 cm width at the caudal pole and 3.8 cm at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.66 cm width at the caudal pole and 3.1 cm at the cranial 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

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. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**PATIENT*****Gastrointestinal***

Ryder Sirko

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.

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.

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

BREED***Pancreas***

German Shepherd

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.

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder.
- Structurally normal proximal urethra with potential for mild decreased proximal urethral tone.
- Normal bilateral kidneys-no evidence of pyelonephritis.

AGE

3 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**WEIGHT**

63 pounds

The potential for mild decreased proximal urethral tone is nonspecific if the patient is not exhibiting incontinence or urine dribbling. Overt evidence of congenital pathology such as urachal remnant or ectopic ureter was not overtly evident. Pending urine C/S on sterile urine sample, a higher dose shorter frequency antibiotic protocol i.e. Enrofloxacin or Clavamox 20mg/kg PO SID for 3-5 days may prove more effective at eliminating recurrent infection if confirmed on C/S results.

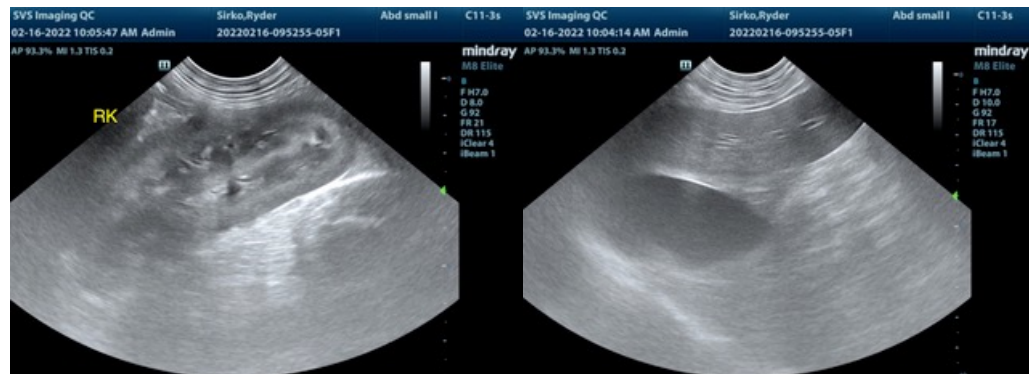
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If recurrent documented infection persists, cystoscopy likely indicated for evaluation of the non-visualized urethra, vaginal vault as well as further assessment of the proximal urethra.

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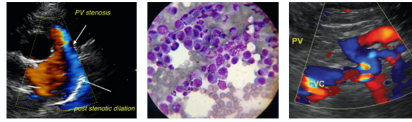
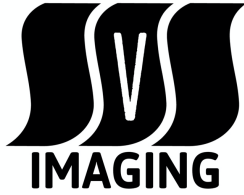
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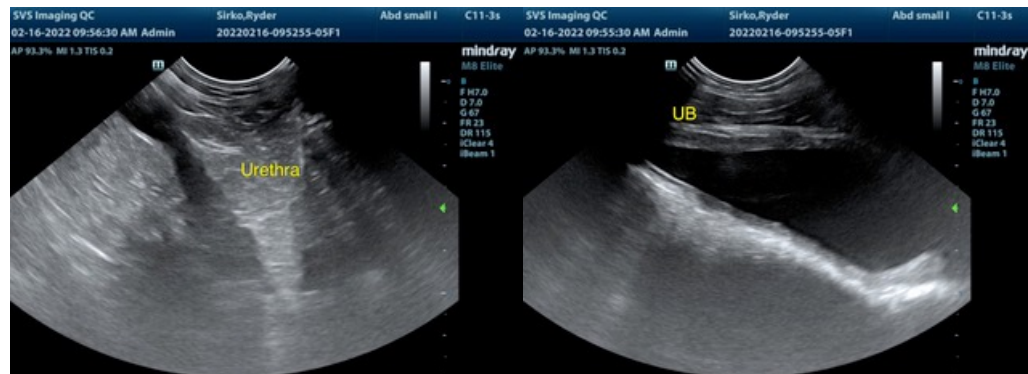
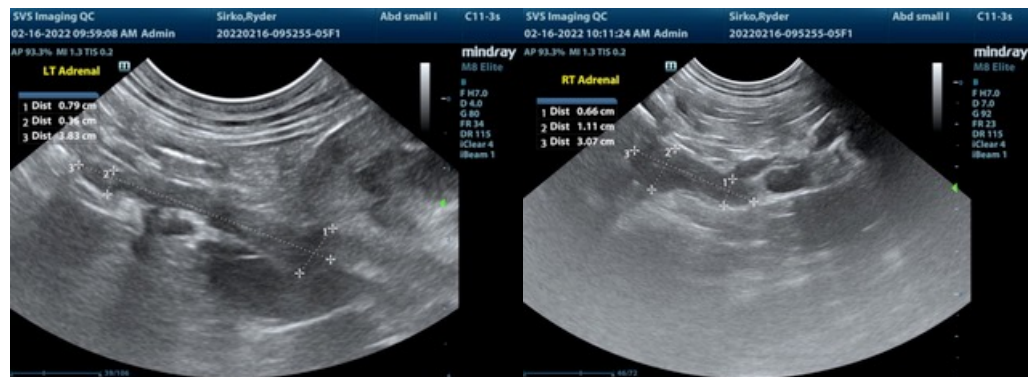
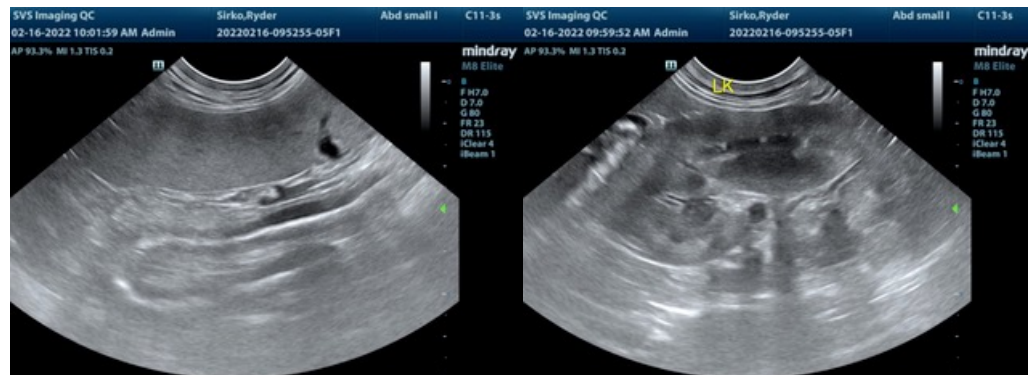
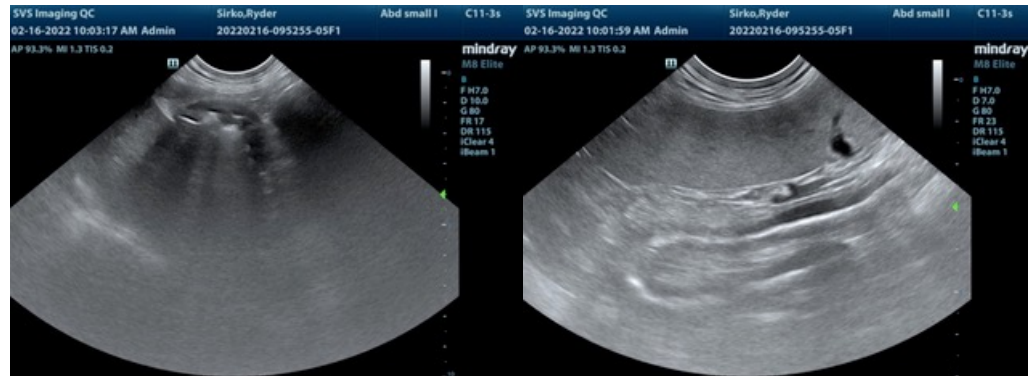
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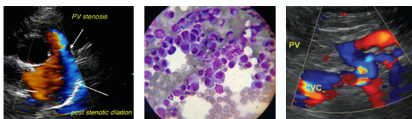
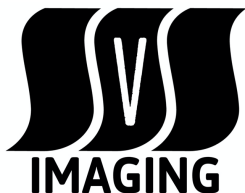
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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