

**PATIENT**

Max Grant

SPECIES

Canine

BREED

Cocker Mix

SEX

MN

AGE

9 years

WEIGHT

25 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Stacy Kula

INVOICE

15599

DATE

12/2/22

PRESENTING CLINICAL SIGNS

Excessive urination and drinking. Leaking urine and repeat urinary tract infections. He is a new client/patient and had an ultrasound guided cystocentesis on 11/22. The person that did the collection thought they saw a mass or polyp but the other DVM did not do a follow up or official ultrasound. Blood work and urinalysis from 11/22 was largely unremarkable.

Abnormal PE/Chem/CBC/UA Results: BAR, Missing his right eye. Left eye has glaucoma and is being treated with Dorzolamide BID. Also takes 50 Carprofen SID in the AM. Heart/lungs: wnl. Abdomen soft but painful and tense on deep caudal palpation.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present. Estimate 2-3 primarily dependent hyperechoic focal echogenicities with mild irregular contour and distal acoustic shadowing were present in the urinary bladder lumen. Minor ventroapical cystitis pattern is likely, which is where the calculi sit when in primarily sternal position. An example of a cystic calculus measured 0.9 cm in diameter. No evidence of neoplastic urinary bladder or lower urinary tract criteria.

The residual prostate was normal in size and contour with homogeneous parenchyma. Focal, nonobstructive small calculi were present in the residual prostatic urethra. An example of a nonobstructive residual prostatic urethral calculus measured 0.35 cm. The urethra distal to the residual prostate was normal in structure and tone to a depth of 4.0 cm. No evidence of urethral obstructive criteria.

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 or pyelectasia. The left kidney measured 5.5 cm in length. The right kidney measured 5.6 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. No evidence of adrenomegaly or tumors. The left adrenal gland measured 2.0 cm length x 0.65 cm width at the caudal pole. The right adrenal gland measured 1.9 cm length x 0.44 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

**PATIENT**

Max Grant

thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/ Gallbladder**SPECIES**

Canine

The liver presented enlarged in size. Mild uniform increased parenchyma echogenicity compared to the spleen was present. 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 containing primarily anechoic content with mild, primarily dependent, nonorganized, echogenic gallbladder debris. No evidence of gallbladder or peripheral gallbladder inflammation was noted. The cystic and common bile ducts were normal.

BREED

Cocker Mix

SEX

MN

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate, non-shadowing ingesta without signs of obstruction or foreign material.

AGE

9 years

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.

WEIGHT

25 lbs.

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. This is likely consistent with minor patient or age-related parenchymal remodeling and incidental.

INTERPRETED BY

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

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

IMAGING PERFORMED BY

Sarah Pender, CVT

ULTRASONOGRAPHIC FINDINGS

- Nonobstructive cystic and residual prostatic urethral calculi
- Hepatomegaly exhibiting mild parenchyma hyperechogenicity
- Mild gallbladder debris (non-mucocele)
- Gastric ingesta - likely post prandial presentation

HOSPITAL NAME

SVS Imaging QC

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although the normal adrenals were not overtly suggestive of adrenomegaly, full adrenal workup could be considered if clinical suspicion for Cushing's Syndrome, given the hepatic presentation. Correlation with a full CBC/Chemistry panel and urinary workup to include C/S is recommended.

REFERRING VET

Dr. Stacy Kula

INVOICE

15599

Urethral retrograde flush with a sonographic recheck of the residual prostatic urethra for evidence of persistent urethral calculi +/- cystostomy may ultimately be considered in this patient.

DATE

12/2/22



PATIENT

Max Grant

SPECIES

Canine

BREED

Cocker Mix

SEX

MN

AGE

9 years

WEIGHT

25 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

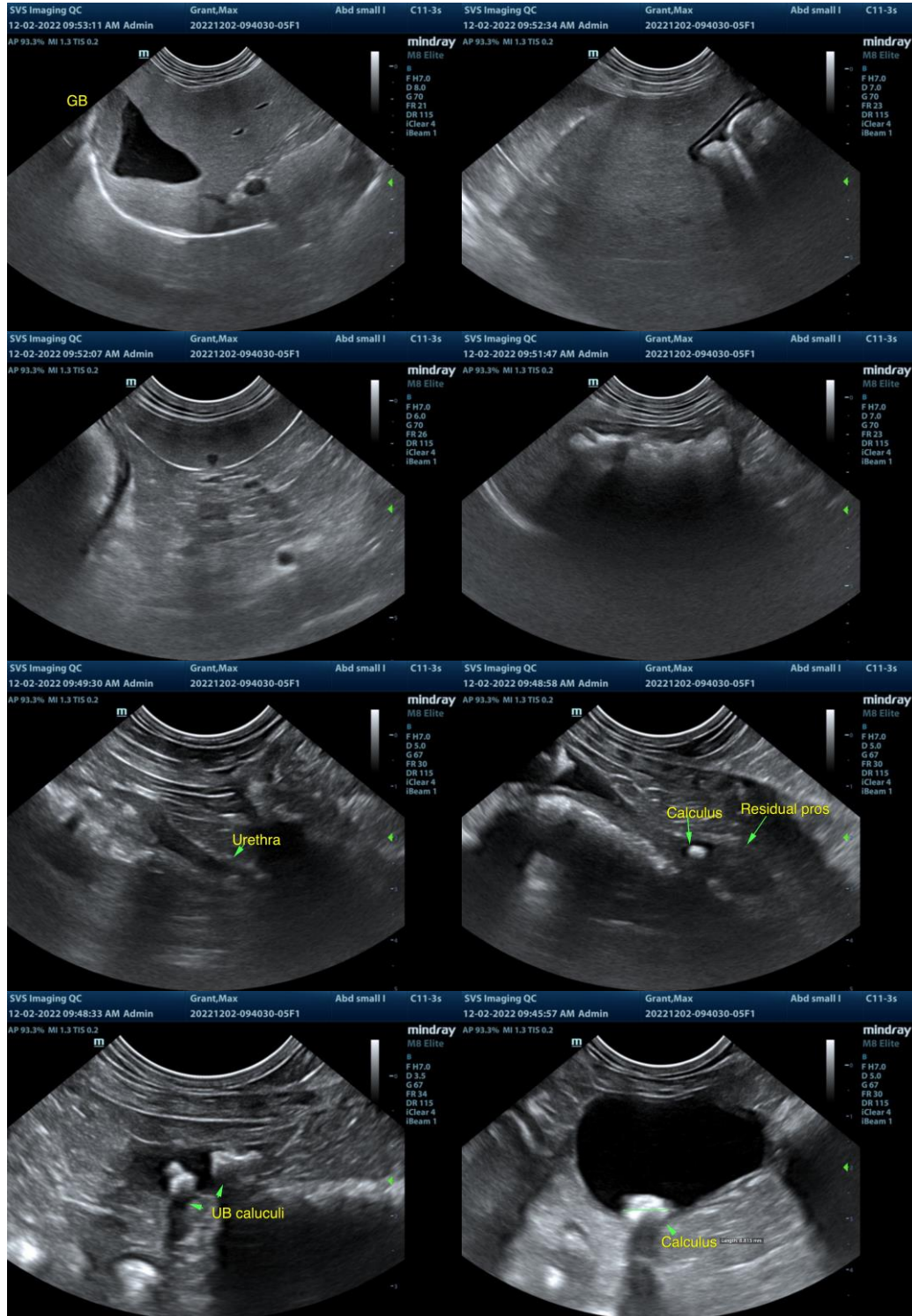
Dr. Stacy Kula

INVOICE

15599

DATE

12/2/22



IMAGING PERFORMED BY

svsmobileimaging.com 309-737-3070



PATIENT

Max Grant

SPECIES

Canine

BREED

Cocker Mix

SEX

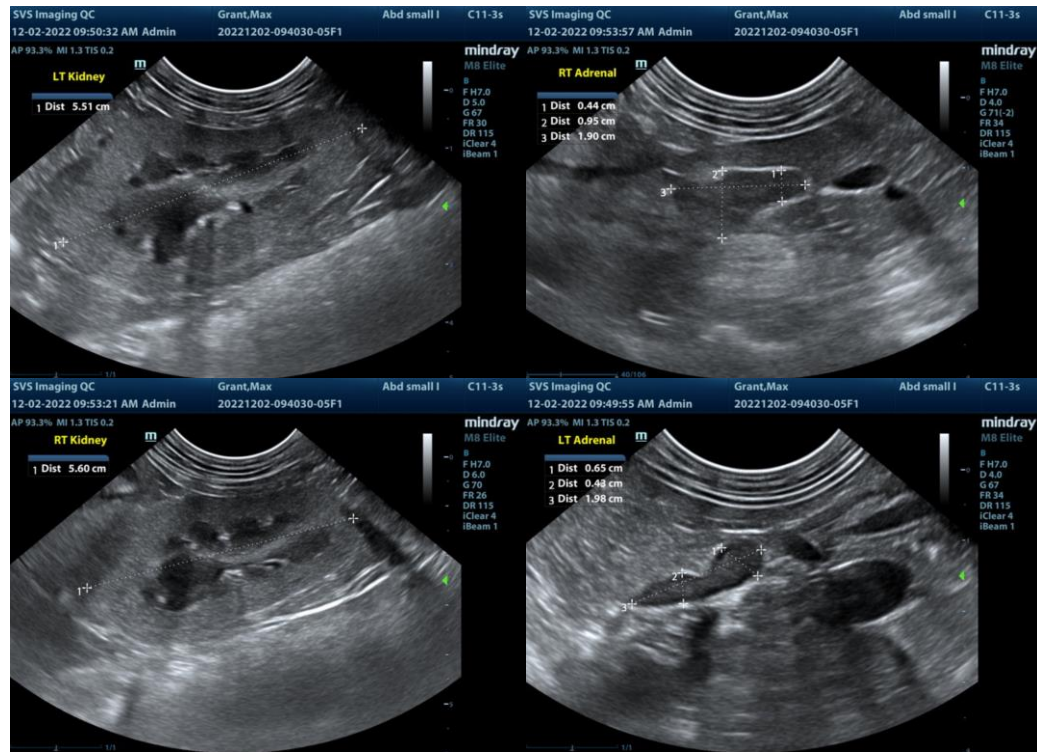
MN

AGE

9 years

WEIGHT

25 lbs.



INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Stacy Kula

INVOICE

15599

DATE

12/2/22

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