



PATIENT PRESENTING CLINICAL SIGNS

Casper Smith Was neutered Oct 5/21, urate crystals found in urine, concern for possible stones/sludge (sedated with dexdom)
Abnormal PE/Chem/CBC/UA Results: Urine report: urate crystalluria is seen. No evidence of inflammation, infection or neoplasia.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Dalmatian

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Minor dependent to non-dependent particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

SEX

Neutered Male

The residual prostate was of expected size and appearance for a recently neutered young male canine, measuring 1.9 cm diameter and without evidence of inflammatory criteria.

AGE

16 Months

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. The right kidney measured 6.7 cm. The left kidney measured 6.6 cm.

WEIGHT

70 Pounds

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

INTERPRETED BY

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

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.50 cm at the caudal pole. The right adrenal gland measured 2.5 cm length x 0.68 cm at the caudal pole.

Spleen

IMAGING PERFORMED BY

Kelly Reschny

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.

HOSPITAL NAME

Tillsonburg VC

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.

REFERRING VET

Dr. McDowell

Gastrointestinal

INVOICE

26649

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 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.

DATE

10/25/21

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



PATIENT

Pancreas

Casper Smith

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder with minor particulate sediment – no calculi present.
- Sonographically unremarkable bilateral kidneys

BREED

Dalmatian

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered Male

The urinary bladder sediment is likely consistent with urate crystalluria given the urinalysis. This is likely a breed predisposition and not overtly pathologic. Urine culture and sensitivity on sterile urine sample could be considered if clinically indicated. Further monitoring of urinalysis suggested with potential conservative therapy including lower protein diet, keeping urine pH >7.0 and encouraging dilute urine by feeding canned diets or adding water to the food.

AGE

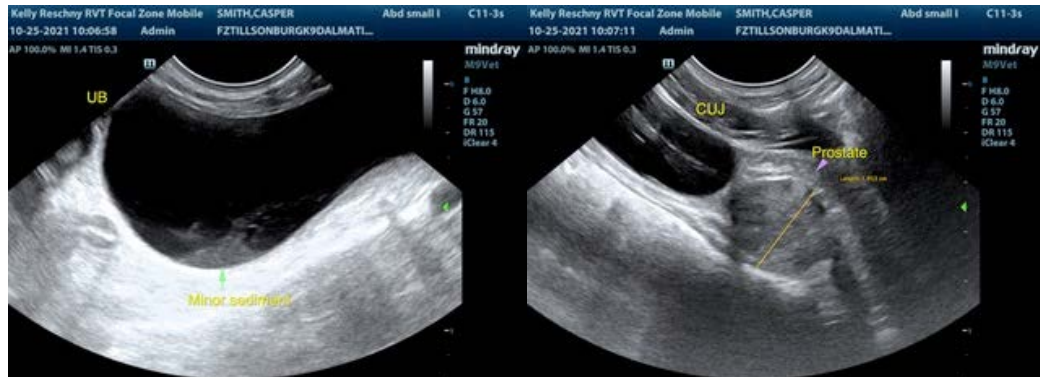
16 Months

WEIGHT

70 Pounds

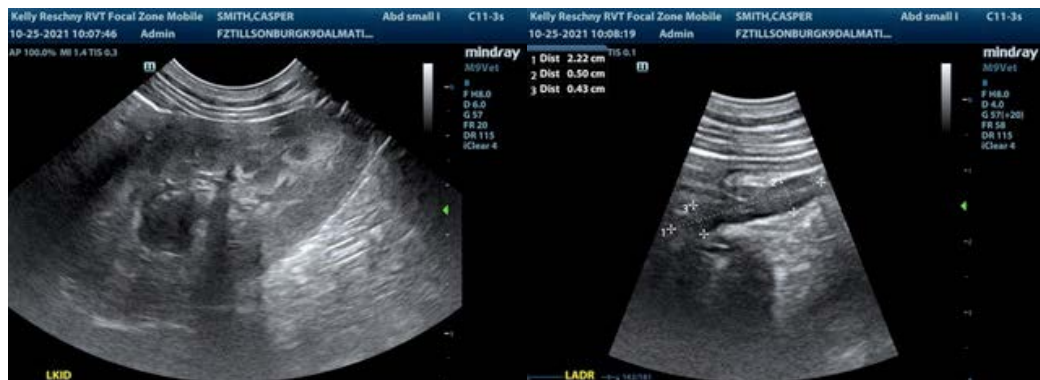
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SPECIES

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SEX

Neutered Male

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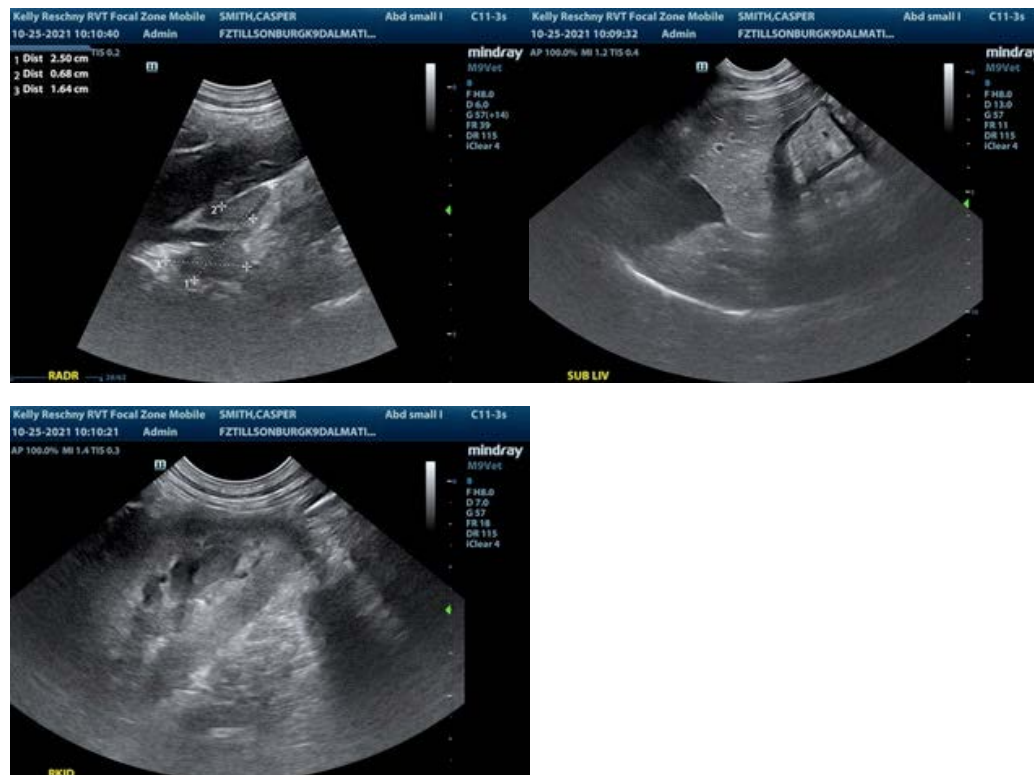
Dr. McDowell

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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)
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