

PATIENT PRESENTING CLINICAL SIGNS

Norman Bolen

Clinical Exam Findings: Hematuria intermittently Trauma from another large dog running into patient
Diarrhea intermittently Current Medications Metronidazole 250 mg tabs starting 8/16/21

SPECIES

Radiographic Findings attached

Canine

Abnormal PE/Chem/CBC/UA Results: CBC - Hct 37.3, reticulocytes 92, WBC 18.0 w/monocytosis.
Chem - Glucose 126, total protein 4.8, Alb 2.5, Glob 2.3, ALP 161, BUN 13, Crea 0.5. Urine
protein/creatinine ratio 3.7. USG 1.038. 2+ protein, 2+ blood.

BREED

Great Dane

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Intact Male

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Moderate non-dependent to swirling 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.

AGE

5 Months

The prostate was of expected appearance for a male intact puppy.

WEIGHT

42 Pounds

The area of the aortic trifurcation was free of pathology.

The right kidney measured 8.2 cm. The left kidney was mildly subnormal in size compared to the right, measuring 7.0 cm, yet overall normal left and right kidney architecture. No evidence of pyelectasia or overt pyelonephritis. No overt evidence of retroperitoneal inflammation or effusion associated with either kidney.

INTERPRETED BY

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

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.88 cm at the caudal pole and 0.46 cm at the cranial pole. The left adrenal gland measured 0.35 cm at the cranial pole and 0.30 cm at the caudal pole.

IMAGING PERFORMED BY

Jenna Walsh

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.

HOSPITAL NAME

Reid Vet Hospital

Liver

REFERRING VET

Dr. Yuan

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.

INVOICE

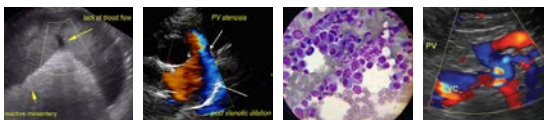
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Gastrointestinal

DATE

8/17/21

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.



PATIENT

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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.

SPECIES

Canine

Pancreas

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.

BREED

Great Dane

ULTRASONOGRAPHIC FINDINGS

SEX

Intact Male

- Moderate particulate to swirling urinary bladder sediment – suspect cellular debris
- Sonographically unremarkable prostate and visible proximal urethra
- Sonographically unremarkable bilateral kidneys with subjective mild subnormal left kidney size compared to the right, no overt evidence of pyelectasia/pyelonephritis.

AGE

5 Months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

42 Pounds

Given the lack of overt upper or lower urinary tract structural pathology or obvious trauma, a definitive cause of the hematuria in this patient was not evident. Potential non-sonographically evident trauma of either the left or right kidney or lower urinary tract cannot be definitively excluded. Potentially the hematuria may be arising from the kidneys given the lack of urinary bladder, prostate or obvious proximal urethra pathology. Rare conditions such as idiopathic renal hematuria cannot be excluded. Urine culture and sensitivity recommended on sterile urine sample. A coagulation panel may also be considered. Cystoscopy may be indicated if persistent hematuria and ruled out infection.

INTERPRETED BY

R. McKenzie Daniel,
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(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh

HOSPITAL NAME

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REFERRING VET

Dr. Yuan

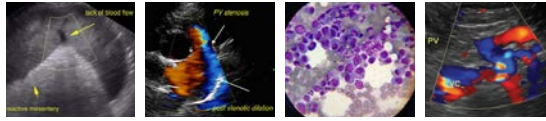
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SPECIES

Canine

BREED

Great Dane

SEX

Intact Male

AGE

5 Months

WEIGHT

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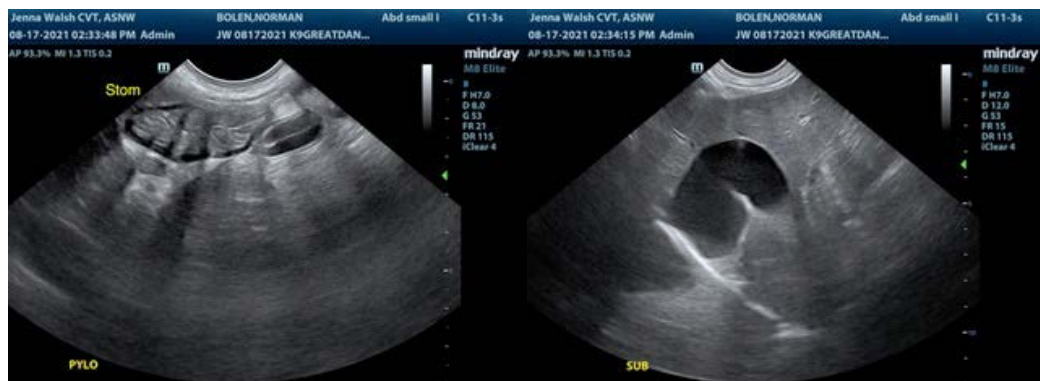
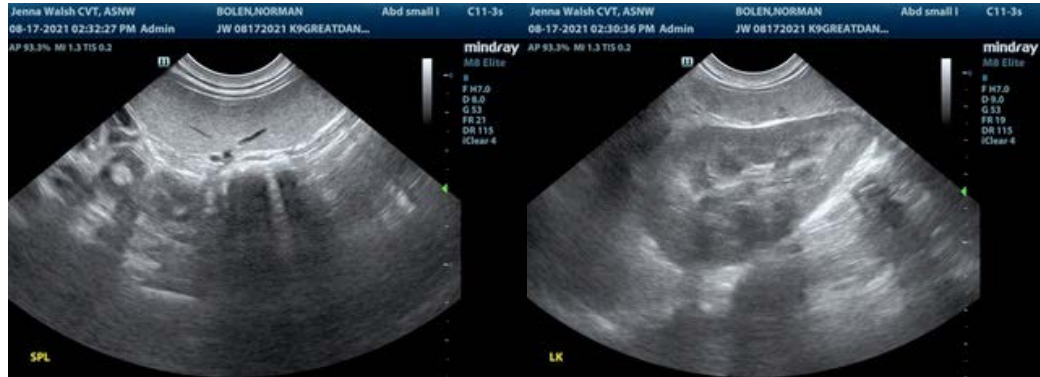
Dr. Yuan

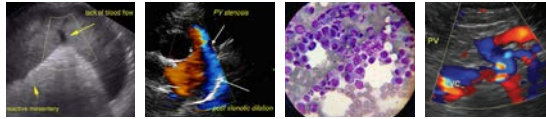
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Great Dane

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

SEX

Intact Male

AGE

5 Months

WEIGHT

42 Pounds

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