



PATIENT

Vaca Boyle

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

4 years

WEIGHT

14.4 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons), DACVECC

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Northvale VC

REFERRING VET

Dr. Simon

INVOICE

43871

DATE

4/10/23

PRESENTING CLINICAL SIGNS

History: Abnormal odor to urine, abnormal, angular bladder shape seen on radiographs. Current diet: Purina UR. Had Convenia injection on 3/27/23.

Abnormal PE/Chem/CBC/UA Results: P 6.6, rest of blood work WNL. U/A: 3+ struvites, 2+ proteinuria, pH 7.0 - 8.0. USG: 1.061. UPC=0.1. Marked bacteria, 2-5 WBCs, 6-10, 1+ hematuria, 1+ bilirubinuria.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and visible pelvic urethra were of normal thickness. The ureters were not visible which is normal. There was normal wall layering with no masses, uroliths or abnormal thickening visualized. Mobile debris present in the urinary bladder. No evidence of inflammatory or neoplastic changes were noted.

The kidneys were both normal size and structure, with smooth capsule and normal corticomedullary definition and ratio (cortex 1/3 of medulla). Medullary structure differed distinctly from that of the cortex. No evidence of pelvic dilation was present. The right kidney measured 4.42 cm. The left kidney measured 4.13 cm.

Adrenal Glands

Both adrenal glands were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.65 cm in length x 0.36 cm at the caudal pole. . The right adrenal gland measured 1.02 cm in length and 0.38 cm at the caudal pole.

Spleen

The spleen was normal with a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma and smooth capsule, with normal splenic vasculature with no signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarct changes were noted.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. Gall bladder is moderately distended with normal wall thickness and anechoic contents. Common bile duct is proximally somewhat dilated and tortuous, but tapers normally with no impression of obstruction.

Gastrointestinal



PATIENT

Vaca Boyle

The stomach contains minimal luminal contents. It measures at a normal thickness of with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

SPECIES

Feline

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

BREED

Domestic Shorthair

Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

SEX

Spayed female

The base and limbs of the pancreas were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour and parenchyma were normal. No overt evidence of active inflammatory or neoplastic disease was noted.

AGE

4 years

Lymph Nodes

No clinically significant lymphadenopathy or abnormalities noted.

WEIGHT

14.4 lbs

Free Abdomen

No masses or free fluid were noted.

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons), DACVECC

ULTRASONOGRAPHIC FINDINGS

Primary Findings

1. Mild urinary bladder debris
2. Normal kidneys
3. Tortuous common bile duct – no biliary obstruction

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Northvale VC

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No definitive cause of malodorous urine are apparent in this study. No urinary bladder stones, mural thickening or signs of inflammation were present. Correlate clinical significance of urinary bladder debris with bloodwork/urinalysis findings and clinical signs. Urine culture with sensitivity and 2-4 week course of appropriate antibiotic therapy with urinalysis and culture 3 days prior to discontinuation of antibiotics and 3 days after discontinuation is recommended to ensure adequate coverage and length of treatment. Thorough physical exam and historical information gathering to search for presence of predisposing factors for ascending infection such as skin disease, vulvar conformation or husbandry which may be predisposing to ascending infections is warranted. Thorough investigation for underlying disease which may be predisposing to lowered immunity including chem/lytes/CBC, FeLV/FIV and thyroid testing is recommended. Ultimately cystoscopy may be required for more definitive diagnosis.

REFERRING VET

Dr. Simon

Tortuous common bile duct is a relatively common finding in cats and is thought to represent previous episodes of cholangitis (bacterial, parasitic, inflammatory, auto-immune). There is no impression of current obstruction or inflammation and no clinically significant pathology. In the absence of elevated liver enzymes, this is an incidental finding.

INVOICE

43871

DATE

4/10/23



PATIENT

Vaca Boyle

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

4 years

WEIGHT

14.4 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons), DACVECC

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Northvale VC

REFERRING VET

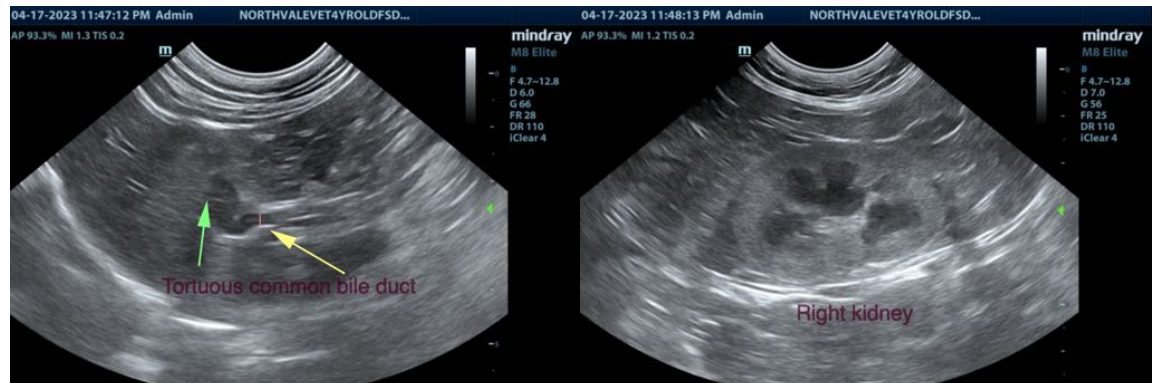
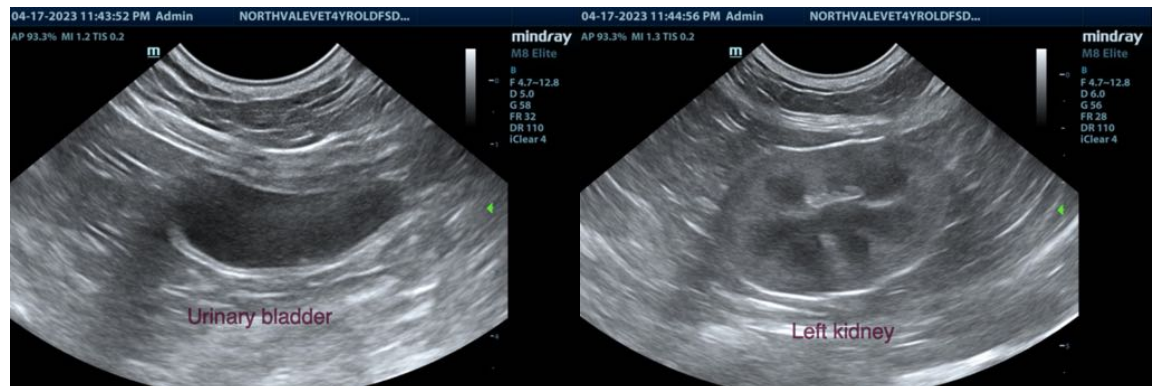
Dr. Simon

INVOICE

43871

DATE

4/10/23





PATIENT

Vaca Boyle

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.

SPECIES

Feline

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

Domestic Shorthair

Dr Brittany Sinclair, BVSc(hons), DACVECC
info@SonoPath.com

SEX

Spayed female

AGE

4 years

WEIGHT

14.4 lbs

INTERPRETED BY

Dr Brittany Sinclair,
BVSc(hons), DACVECC

**IMAGING
PERFORMED BY**

Kelly Vazquez

HOSPITAL NAME

Northvale VC

REFERRING VET

Dr. Simon

INVOICE

43871

DATE

4/10/23