


PATIENT PRESENTING CLINICAL SIGNS

Lucy Wagler
 History: chronic UTIs and urinating blood clots, some lethargy
 Abnormal PE/Chem/CBC/UA Results: USG 1.020, active urine sediment, urine culture positive for protease infection

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System
BREED

Border collie

The urinary bladder is mildly to moderately distended with anechoic urine. The wall in the region of the apex is mildly thickened (up to 0.56 cm) with a slightly irregular mucosal surface. The wall tapers to a normal thickness that extends toward the urinary bladder neck. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

SEX

Female, spayed

The left kidney is normal size (6.17 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

AGE

13 Yrs.

The right kidney is normal size (6.24 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

22 kg.

Adrenal Glands

The left adrenal gland is normal size (0.68 cm at cranial pole) (0.71 cm at caudal pole) (2.31 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

INTERPRETED BY

Andrea Nicastro, DVM,
 Diplomate ACVIM
 (*Small Animal Internal
 Medicine*)

The right adrenal gland is normal size (1.11 cm at cranial pole) (0.48 cm at caudal pole) (2.13 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Kelly Reshny, RVT

Spleen

The spleen is normal in size (2.17 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

HOSPITAL NAME

Yates VH

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. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

REFERRING VET

Dr. Kait

INVOICE

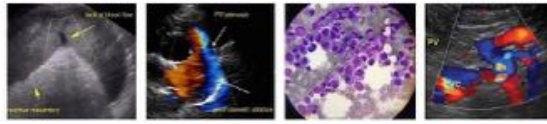
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Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is mildly distended with ingesta. The gastric wall and pylorus are normal in thickness with a normal

DATE

9/21/21



PATIENT

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layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

BREED

Border collie

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

SEX

Female, spayed

ULTRASONOGRAPHIC FINDINGS

- The bladder wall changes are most consistent with cystitis.
- Minor age-related renal pathology.

AGE

13 Yrs.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

22 kg.

Treatment of the urinary tract infection based on urine culture and sensitivity results is recommended. A repeat culture should be considered 5-7 days after the last antibiotic dose to determine if the infection has resolved.

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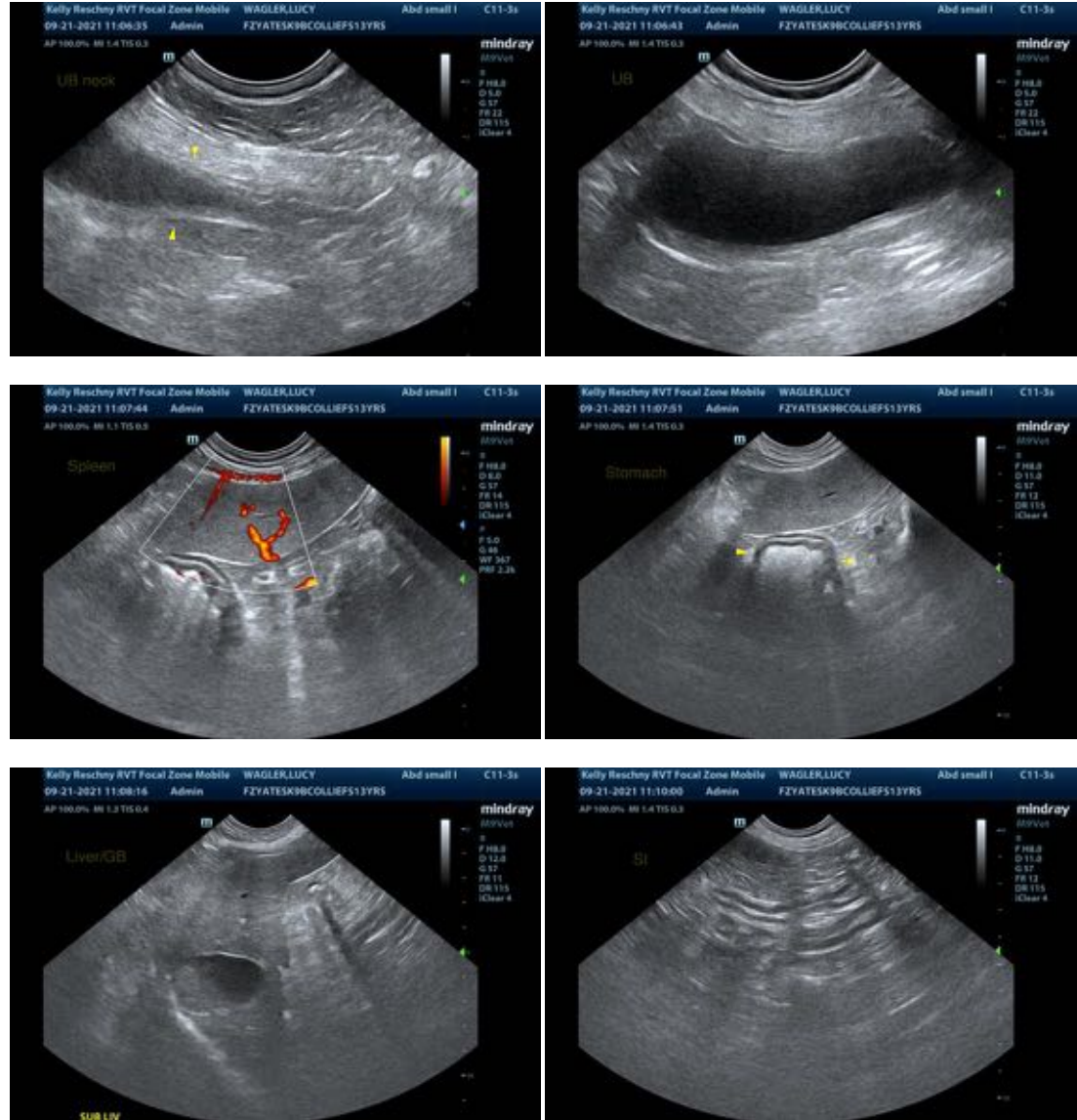
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

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