



PATIENT PRESENTING CLINICAL SIGNS

Bella Kovac
History: P has had chronic incontinence issues that have not improved with medications (Has been on Proin previously, and now Incurin). Has had UTIs in the past and has been treated with antibiotics, but not currently having these issues.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Sent out bloodwork on 4/18/22 and came back WNL, no kidney changes.

BREED

Border Collie Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

The urinary bladder, trigone and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. The proximal urethra exhibited normal structure yet subjective reduced tone to a depth of 5.0 cm. Aortic trifurcation was normal.

AGE

12 Years

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present. The left kidney measured 6.9 cm in length. The right kidney measured 7.1 cm in length.

WEIGHT

63 Pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.73 cm width at the caudal pole and 0.54 cm width at the cranial pole.

INTERPRETED BY

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

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.59 cm width at the caudal pole and 0.56 cm width at the cranial pole.

Spleen

IMAGING PERFORMED BY

Rachel Runnells, RVT

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

SVS Imaging KC

Liver

REFERRING VET

Dr. Jennifer Simon

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

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The gallbladder was non distended in size with mild gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal

DATE

6/27/22

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate ingesta, exhibiting mild progressive distal acoustic shadowing.



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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.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Sonographically unremarkable urinary bladder, subjective mild decreased proximal urethral tone- consistent with reported incontinence.
- Mild chronic renal changes- no evidence of pyelonephritis

AGE

12 Years

WEIGHT

63 Pounds

Secondary Findings

- Minor hepatic parenchymal remodeling – benign
- Minor gallbladder debris- incidental
- Gastric ingesta- probable postprandial presentation

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DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant visceral, specifically upper or lower urinary tract pathology. Intermittent urine culture and sensitivity based on clinical impression of urinary pattern may be indicated in this patient. Given the previous history of UTIs, or if persistent UTIs going forward, assessment of the vulva or vaginal vault for evidence of structural issues, which may predispose to ascending infection or contributing to the patients incontinence, may be indicated. If not done, combination Pro Incurin may prove beneficial if persistent incontinence signs on either medication alone.

IMAGING PERFORMED BY

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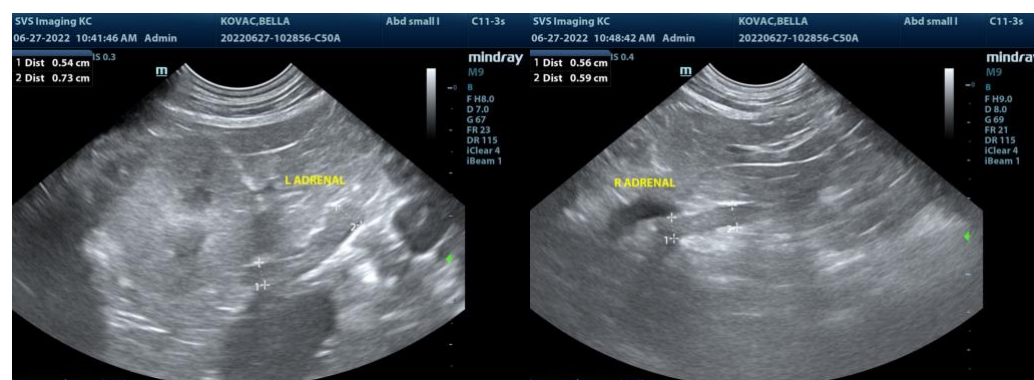
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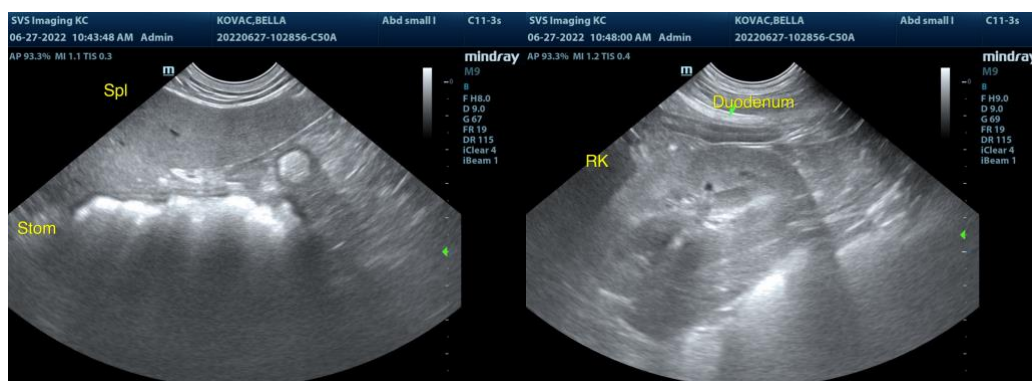
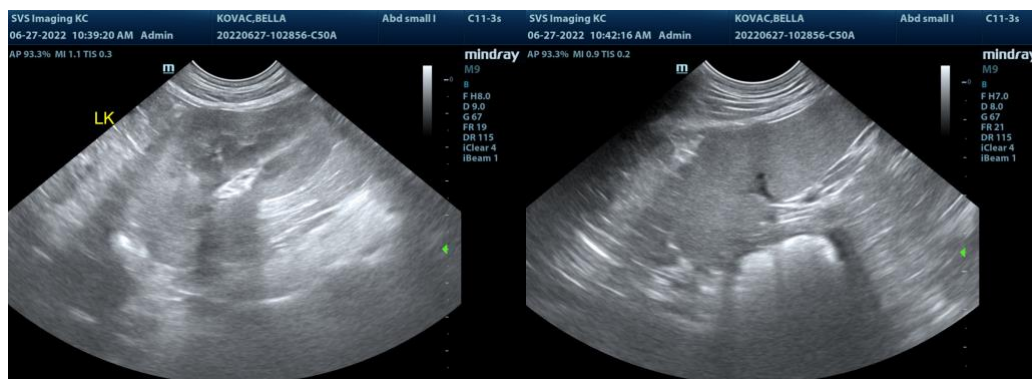
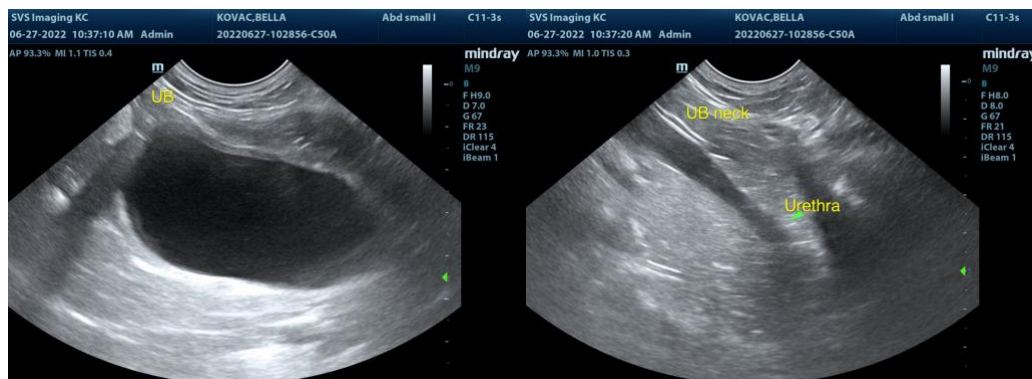
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not



PATIENT

visible in the image/video clips provided.

Bella Kovac

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.

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info@SonoPath.com

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