



PATIENT PRESENTING CLINICAL SIGNS

Bailey Koenig History: SQ MCT, met check Benadryl, Pepcid

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES
Urinary System

Canine The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall with subnormal size owing to lack of urine distention. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. Urinary bladder wall thickness measured 0.48 cm. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal 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.

BREED

PitBull

SEX

Spayed female

AGE

13 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild bilateral pyelectasia was present. The left kidney measured 6.1 cm in length. The right kidney measured 5.3 cm in length.

The area of the aortic trifurcation was free of pathology.

WEIGHT

59 pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.42 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.45 cm width at the caudal pole and 0.42 cm width at the cranial pole.

INTERPRETED BY

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

Spleen

The spleen exhibited subtle generalized parenchymal heterogeneity including intermittent to multiple non disruptive subtly hypoechoic nodules, an example measuring 1.1 cm in diameter. 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.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

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.

HOSPITAL NAME

Annville Cleona VA

REFERRING VET

Dr. Pinamonti

Gastrointestinal

The stomach presented intact to mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained mild retained nonshadowing ingesta/chyme with no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured 0.44 cm in width.

INVOICE

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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. The duodenum wall measured 0.50 cm in width.

DATE

04/29/2022

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



PATIENT *Pancreas*

Bailey Koenig 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 *Free Abdomen*

Canine No omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED **ULTRASONOGRAPHIC FINDINGS**

PitBull

SEX

- Possible mild cystitis
- Moderate nonspecific chronic renal changes with bilateral pyelectasia
- Mildly heterogeneous spleen exhibiting intermittent subtly hypoechoic nodules
- Mild retained gastric ingesta/chyme

Spayed female

AGE **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

13 years The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

WEIGHT

59 pounds

The splenic changes are nonspecific with multiple etiologies including lymphoid or nodular hyperplasia, hematopoiesis, splenitis, while the possibility of emerging primary or metastatic neoplasia could be present given the patient's history of cutaneous MCT. Assuming normal clotting status an ultrasound guided FNA of the spleen using a 25g needle is warranted for screening cytology. Otherwise, sonographic monitoring of the splenic changes for evidence of progression with initial recheck in 3-4 weeks or based on oncology recommendations would be a more conservative approach.

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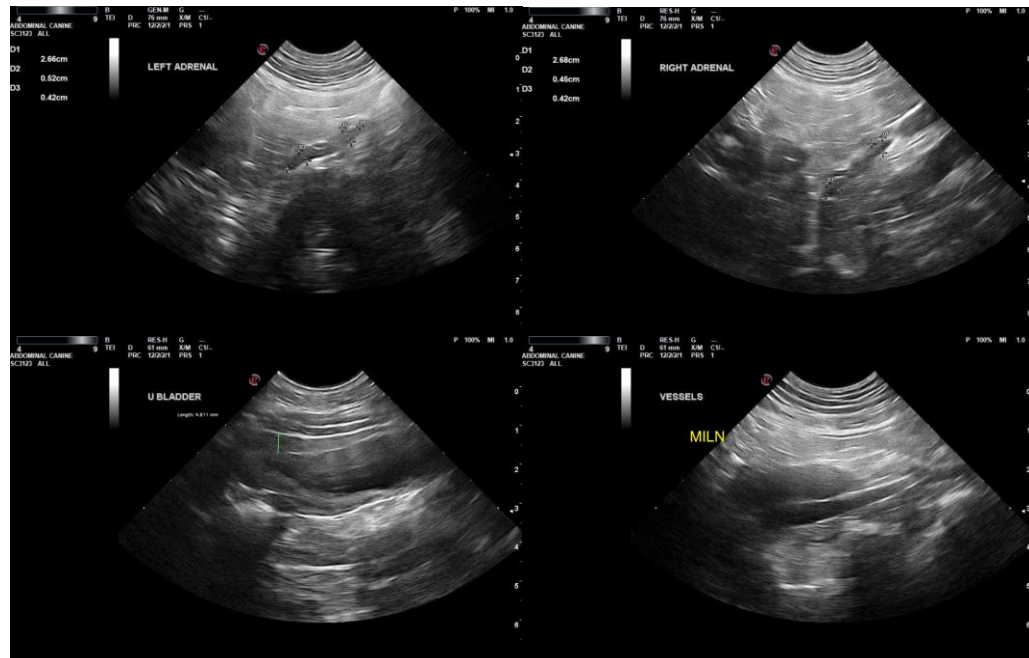
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SPECIES

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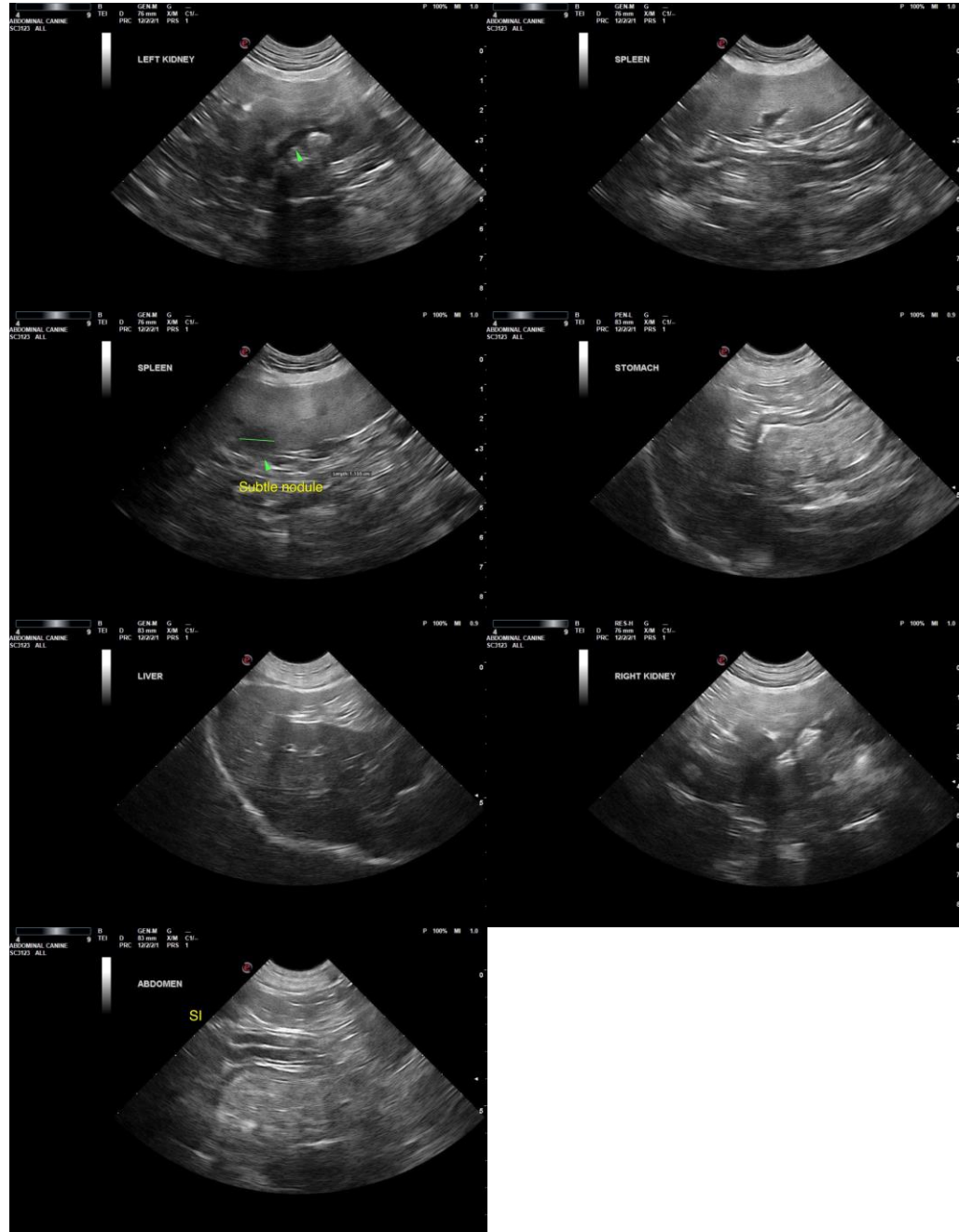
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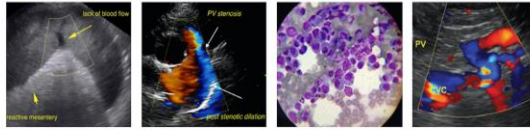
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)
mac.daniel@sonopath.com



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