



PATIENT PRESENTING CLINICAL SIGNS

Ruby Sepcoski Elevated ALP, PU/PD, recurrent UTI's, history of CAD
ALP 961, Calcium 12.0, BUN 17, Creatinine 0.9

SPECIES

Canine

BREED

Beagle

SEX

FS

AGE

2013

WEIGHT

32.5

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Lehigh Valley AH
(Bath)

REFERRING VET

Dr. Tan

INVOICE

14150

DATE

6/28/22

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder presented mild uniformly thickened ventroapical to dorsoapical urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in luminal surface contour. Mineralization or echogenic foci within the thickened areas of urinary bladder wall were not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone to a depth of 2.0 cm. 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. The ventroapical urinary bladder wall width measured 0.60 cm.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomodullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.4 cm in length. The right kidney measured 4.5 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.1 cm length x 0.45 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.5 cm length x 0.45 cm width at the caudal pole.

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.

Liver/ Gallbladder

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.



PATIENT *Gastrointestinal*

Ruby Sepcoski 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.

SPECIES 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.

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

BREED *Pancreas*

Beagle 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 were evident.

SEX

FS *Free Abdomen*

No overt lymphadenopathy or peritoneal effusion was present.

AGE **ULTRASONOGRAPHIC FINDINGS**

- 2013
- Mild cystitis pattern
 - Normal bilateral kidneys
 - Normal bilateral adrenal gland - no evidence of adrenomegaly or neoplastic criteria
 - Mild vacuolar hepatopathy pattern - benign

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recheck urine culture and sensitivity on a sterile urine sample +/- baseline UPC if evidence of proteinuria is suggested.

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 ARDMS/RVT

Sonographically, the adrenal glands were not consistent with adrenal enlargement or neoplastic criteria. Correlation with pending ACTH Stimulation test is recommended.

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Leptospirosis titer/ PCR could be considered if endemic to the area or potential exposure. Hepatosupportive medications including Denamarin +/- Ursodiol may prove beneficial. Monitoring of calcium levels +/- further clarification with hypercalcemia panel may be considered. Rectal palpation and three view chest radiographs are recommended if not done.

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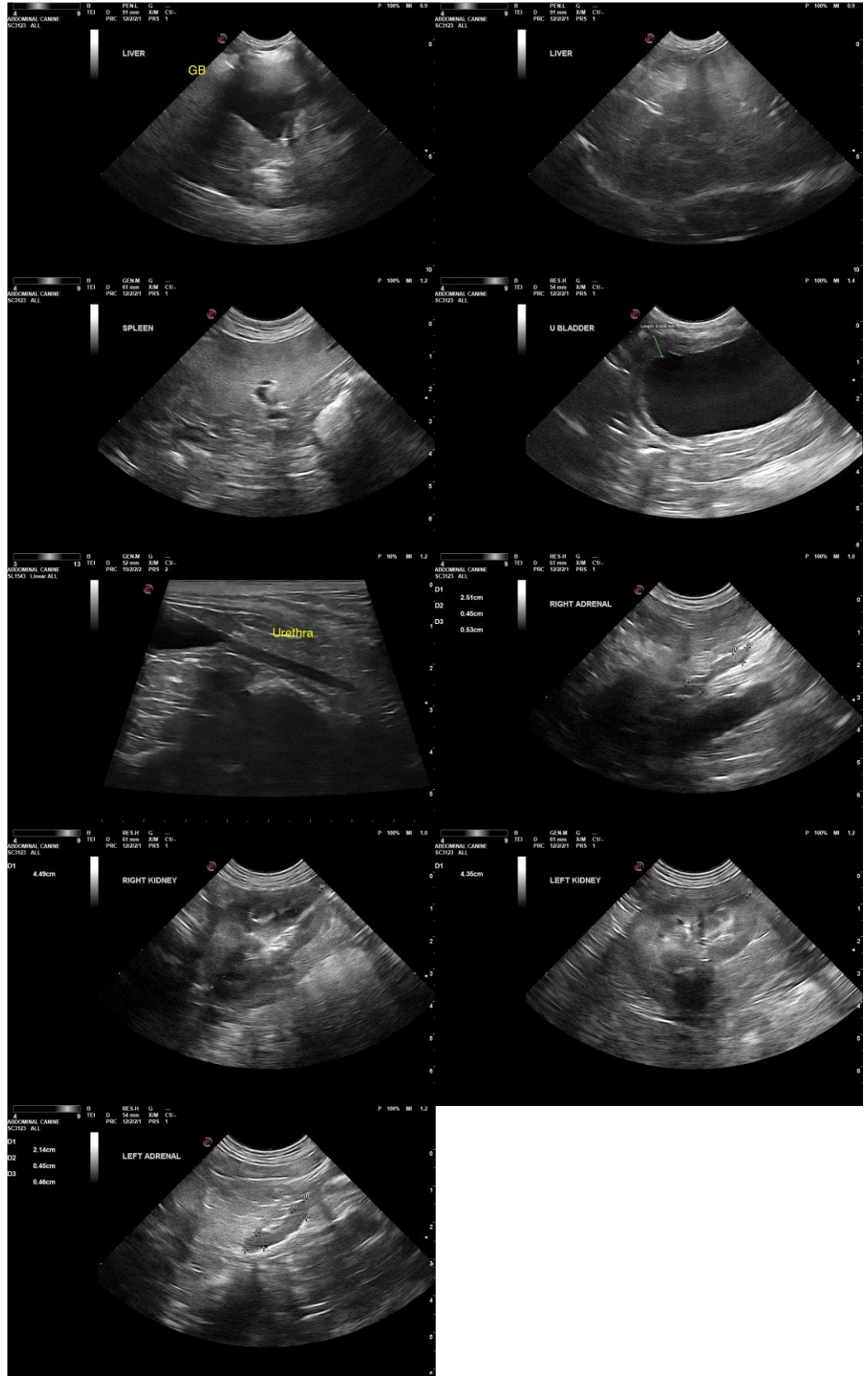
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PATIENT

Ruby Sepcoski

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

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

Beagle

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