



**PATIENT**

Bailey Champlin

**SPECIES**

Canine

**BREED**

Mixed

**SEX**

FS

**AGE**

13 y

**WEIGHT**

58.6 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Wood River AH

**REFERRING VET**

Erin Plunkett, DVM

**INVOICE**

14598

**DATE**

8/12/22

**PRESENTING CLINICAL SIGNS**

Recently seen for vestibular signs. Owner reports excessive drinking, urination, and ravenous appetite for past 6 months. Bloodwork showed elevated ALT (242) ALP (>2000) and Chlor 108. On Dasuquin.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Mild asymmetrical luminal surface to micropolyploid changes were present likely associated with age related mural changes. Anechoic urine was present in the lumen with no calculi 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 urinary bladder wall width measured 0.49 cm.

Several medial iliac lymph nodes were present adjacent to the iliac trifurcation. The lymph nodes are likely incidental without evidence of inflammatory or neoplastic criteria. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example lymph node measured 1.7 cm x 0.6 cm.

Normal size and margination were 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 pelvic dilation was present. The left kidney measured 6.3 cm in length. The right kidney measured 6.0 cm in length.

**Adrenal Glands**

The bilateral adrenal glands exhibited mild prominent size with maintained symmetrical capsule contour and homogenous parenchyma. The left adrenal gland measured 0.75 cm width at the caudal pole and 0.78 cm width at the cranial pole. The right adrenal gland measured 0.73 cm width at the caudal pole and 0.67 cm width at the cranial pole.

**Spleen**

The spleen exhibited normal size and contour with generalized parenchyma heterogeneity. Multiple variably sized indistinct to well-demarcated nonhomogeneous hyperechoic nodules were present with an example measuring 2.1 cm diameter. The nodules did not distort the splenic capsule. Normal splenic vascularity was noted.

**Liver/ Gallbladder**

The liver was mildly enlarged with uniform, mildly hyperechoic parenchyma. No masses or nodules were noted. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**

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.

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.



**PATIENT**

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

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**Pancreas**

**SPECIES**

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.

Canine

**Free Abdomen**

**BREED**

No overt lymphadenopathy or peritoneal effusion was present.

Mixed

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

**Primary Findings**

FS

- Mild age-related kidneys
- Hepatopathy exhibiting mild generalized parenchyma hyperechogenicity, sonographically unremarkable gallbladder
- Normal gastrointestinal tract
- Subjective mildly prominent bilateral adrenal glands

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**Secondary Findings**

**WEIGHT**

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- Benign splenic nodules - consistent with probable benign myelolipomas

**INTERPRETED BY**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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

Full adrenal workup including LDDST is recommended in this patient, given clinical signs and lab work abnormalities. Additional assessment could include; hepatic FNA cytology, assuming normal clotting status, and/or Leptospirosis titer/PCR pending full adrenal workup. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

**IMAGING**

**PERFORMED BY**

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Assessment of serum folate and cobalamin levels could be considered to assess for occult gastrointestinal disease if evidence of weight loss.

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**REFERRING VET**

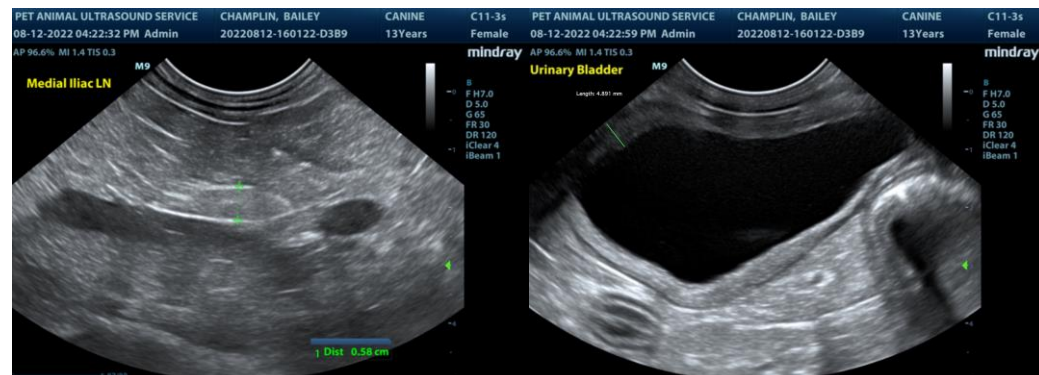
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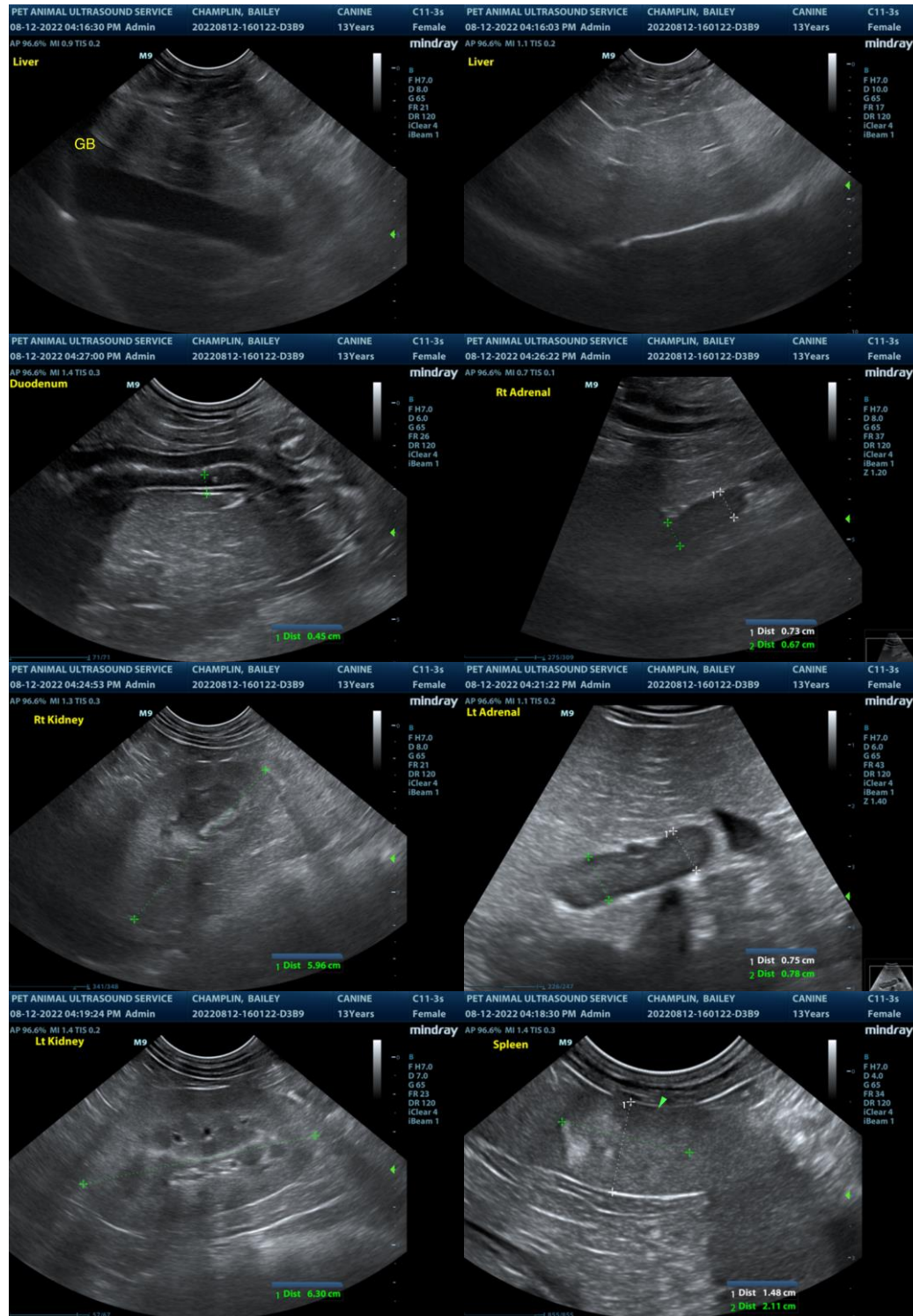
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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](mailto:info@SonoPath.com)

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