



PATIENT

Daizee Rice

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

11 Years

WEIGHT

73.4 pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP (Canine
/ Feline Practice)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

HOSPITAL NAME

Littleton Animal
Hospital

REFERRING VET

Dr. Dawn Brooks DVM

INVOICE

14998

DATE

04/09/26

PRESENTING CLINICAL SIGNS

Feb 2026: Presented for evaluation of progressive alopecia and pendulous abdomen. Owner reports bilateral hair loss affecting multiple areas. She has been urinating in the house with increased frequency. Dx suspected Cushing's and hypothyroid. March 10 - started treatment with Levothyroxine 0.3 mg BID. March 13 : presented for tooth root abscess and noted pitted edema on left hock. ALP ~ 1,000; T4 <0.4

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 change were noted.

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 border demarcation expected for the age of the patient. Minor pyelectasia was present bilaterally. The left kidney measured 7.3 cm in length. The right kidney measured 8.2 cm in length.

Adrenal Glands

The bilateral adrenal glands were enlarged in size. Mild indistinctly nodular nonmineralized parenchyma heterogeneity and mild intact capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.2 cm width at the cranial pole and 1.1 cm width in the caudal pole. The right adrenal gland measured 1.2 cm width at the cranial pole and 0.87 cm width in the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease. Mild benign perihilar medial capsule fibrosis.

Liver & Gallbladder

The liver revealed mild hepatomegaly. The liver parenchyma was mild / moderate nonuniform and hypoechoic to the spleen with a mild/ moderate coarse echotexture and subjective mild parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. Intermittent well demarcated noncapsule deforming hypoechoic liver nodules were present with an example measuring 0.75 cm in diameter.

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



PATIENT

Daizee Rice

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

11 Years

WEIGHT

73.4 pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP (Canine
/ Feline Practice)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Littleton Animal
Hospital

REFERRING VET

Dr. Dawn Brooks DVM

INVOICE

14998

DATE

04/09/26

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained variably echogenic, mild nonshadowing ingesta without signs of obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental mild similar appearing nonshadowing intestinal ingesta was present.

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

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.

Free Abdomen

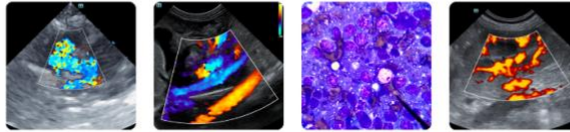
No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Bilaterally enlarged nonhomogenous subtle nodular adrenal glands.
- Mildly enlarged nonhomogenous liver exhibiting remodeled focally nodular parenchyma.
- Mild gallbladder debris (non-mucocele).
- Chronic renal changes.
- Age-related splenic changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full adrenal workup with LDDST is recommended. Concurrent monitoring of systemic blood pressure for evidence of hypertension is suggested. Adrenal hyperplasia versus functional/non-functional adenomatous change, vacuolar/cholestatic hepatopathy with hypoechoic areas of hyperplasia or hematopoiesis is suspected. Mild potential for unilateral or bilateral emerging adrenal tumors or nodular hepatic neoplastic criteria thought less likely. FNA cytology of accessible liver nodule (assuming normal clotting status) could be considered for further assessment. Hepatosupportive medications with serial sonographic monitoring of the liver and bilateral adrenal glands pending adrenal workup would be reasonable. Urinalysis +/- culture/sensitivity and UPC level for renal staging is recommended.



PATIENT

Daizee Rice

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

11 Years

WEIGHT

73.4 pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP (Canine
/ Feline Practice)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDMS

HOSPITAL NAME

Littleton Animal
Hospital

REFERRING VET

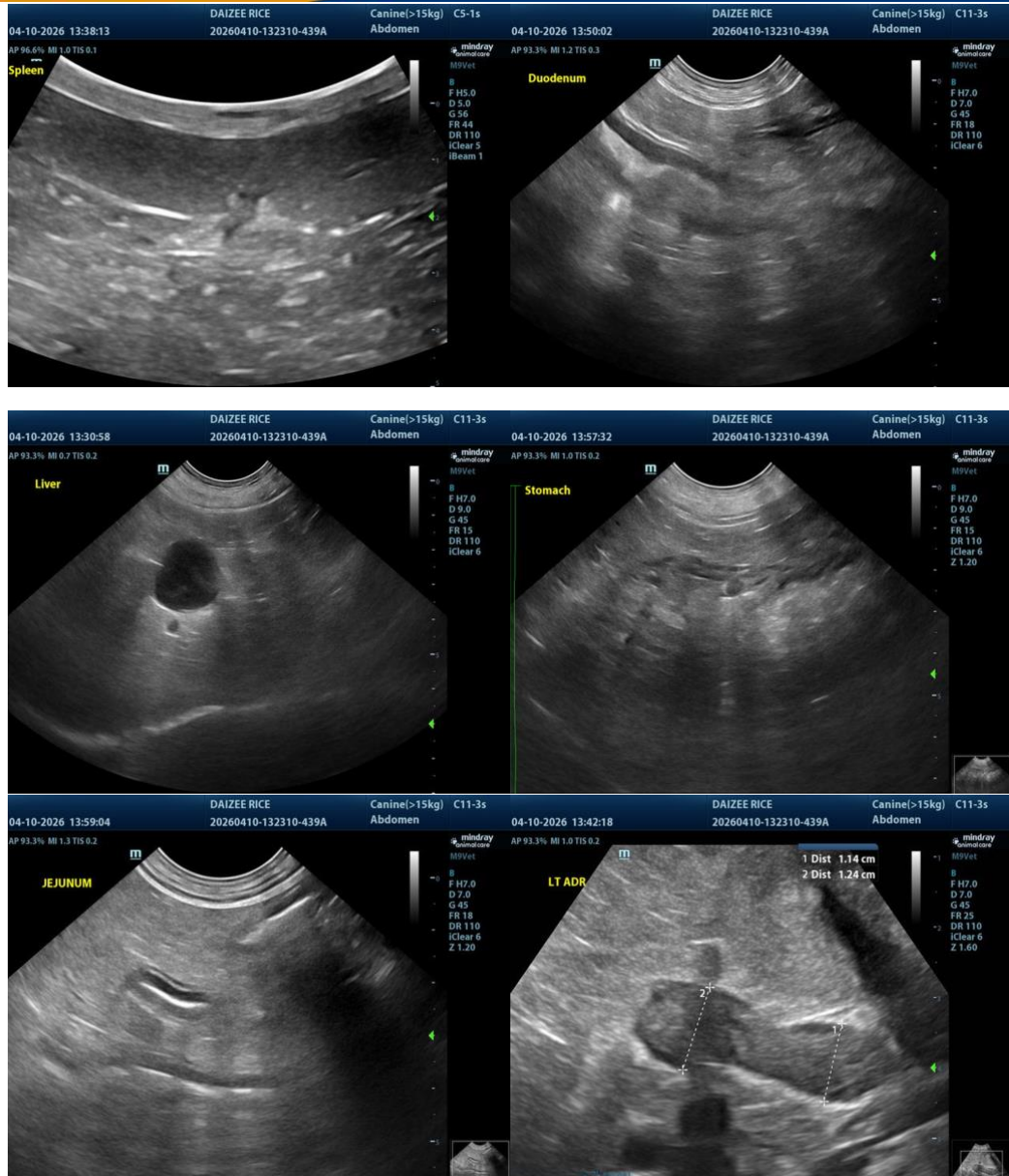
Dr. Dawn Brooks DVM

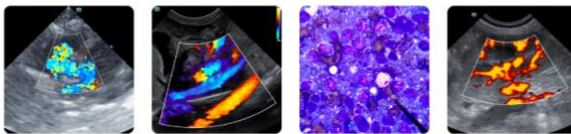
INVOICE

14998

DATE

04/09/26





PATIENT

Daizee Rice

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

11 Years

WEIGHT

73.4 pounds

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP (Canine
/ Feline Practice)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCE

HOSPITAL NAME

Littleton Animal
Hospital

REFERRING VET

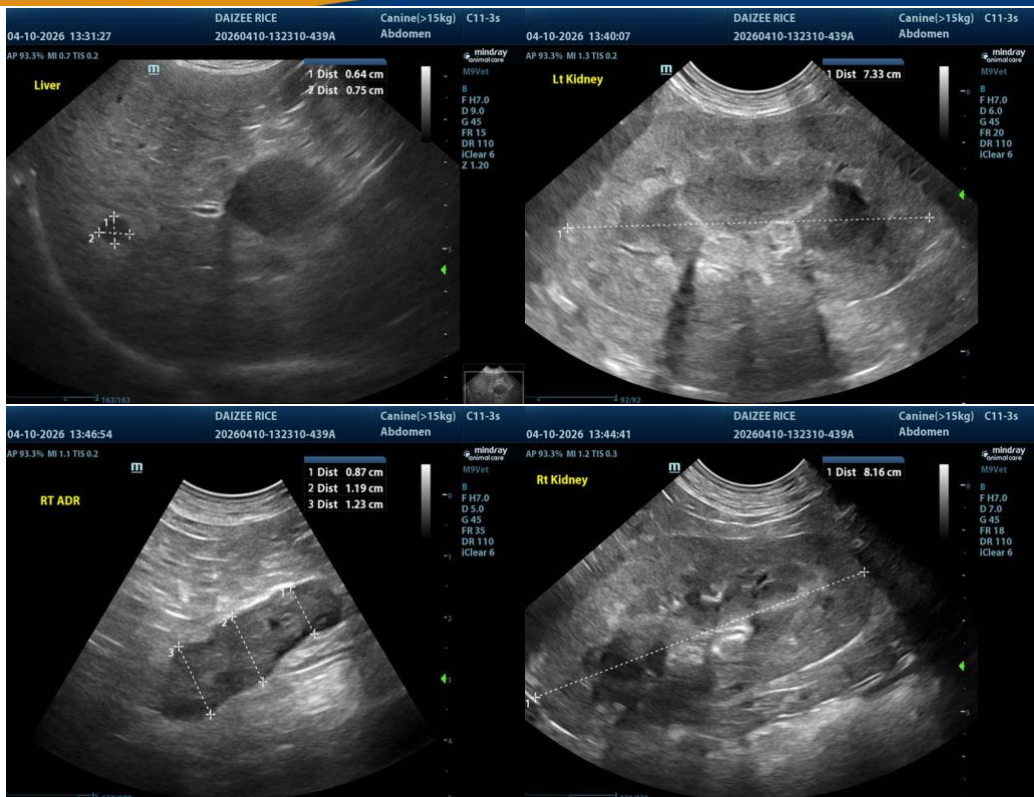
Dr. Dawn Brooks DVM

INVOICE

14998

DATE

04/09/26



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)

info@SonoPath.com