



PATIENT

Jackson Rueda

SPECIES

Canine

BREED

Miniature Australian Shepherd

SEX

Intact Male

AGE

8 Years 8 Months

WEIGHT

38.5

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Ukachi Ugorji

HOSPITAL NAME

Craid Road AH

REFERRING VET

Dr. Ukachi Ugorji

INVOICE

46525

DATE

4/9/23

PRESENTING CLINICAL SIGNS

Neuter sx was postponed on 3/8 due to elevations and patient was started on Denamarin. 3/8: ALT 316 U/L HIGH (10-118) GGT 8 HIGH U/L (0-7) 4/3: ALT (SGPT) 515IU/L (12-118) Alk Phosphatase 169IU/L (5-131) GGT 14IU/L (1-12)

Abnormal PE/Chem/CBC/UA Results: 3/8: ALT 316 U/L HIGH (10-118) GGT 8 HIGH U/L (0-7) 4/3: ALT (SGPT) 515IU/L (12-118) Alk Phosphatase 169IU/L (5-131) GGT 14IU/L (1-12)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No evidence of mineral or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

The prostate was mildly enlarged in size (4.9 cm x 2.6 cm) with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary 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 5.6 cm. The right kidney measured 5.9 cm.

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm at the cranial pole and 0.50 cm at the caudal pole. The right adrenal gland measured 0.67 cm at the cranial pole and 0.57 cm 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

The liver presented borderline possible mild enlargement. 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 consistent with mild, non-dependent, non-organized debris, yet potentially adhered to the inner luminal wall. No evidence of gallbladder or peripheral gallbladder inflammation. The cystic duct and common bile ducts were normal without evidence of dilation.

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.



PATIENT

Jackson Rueda

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.

SPECIES

Canine

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

BREED

Miniature Australian Shepherd

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.

SEX

Intact Male

- Benign hepatopathy
- Minor gallbladder debris (non mucocele)
- Mild benign prostatic hyperplasia

AGE

8 Years 8 Months

ULTRASONOGRAPHIC FINDINGS

WEIGHT

38.5

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although nonspecific yet without evidence of neoplasia, inflammatory hepatopathy ie cholangiohepatitis or similar is suspected given the progressive ALT elevation with potential concurrent vacuolar hepatopathy, nonobstructive cholestasis, or other hepatopathy possible. Hepatic FNA cytology is suggested for further assessment and possible identification of inflammatory cell type. Normal hepatic vascular volume. Leptospirosis titers/PCR could be considered if potential exposure or clinical signs associated with hepatic disease. Hepatosupportive medications ie current Denamarin and Ursodiol +/- empirical therapy for cholangiohepatitis initially for 2 weeks with reassessment of liver enzymes (discontinuation of antibiotics indicated if no improvement). Hepatic biopsy would be required for definitive diagnosis. No overt anesthetic contraindications if normal BUN/cholesterol/glucose/albumin levels.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Ukachi Ugorji

HOSPITAL NAME

Craid Road AH

REFERRING VET

Dr. Ukachi Ugorji

INVOICE

46525

DATE

4/9/23





PATIENT

Jackson Rueda

SPECIES

Canine

BREED

Miniature Australian Shepherd

SEX

Intact Male

AGE

8 Years 8 Months

WEIGHT

38.5

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Ukachi Ugorji

HOSPITAL NAME

Craid Road AH

REFERRING VET

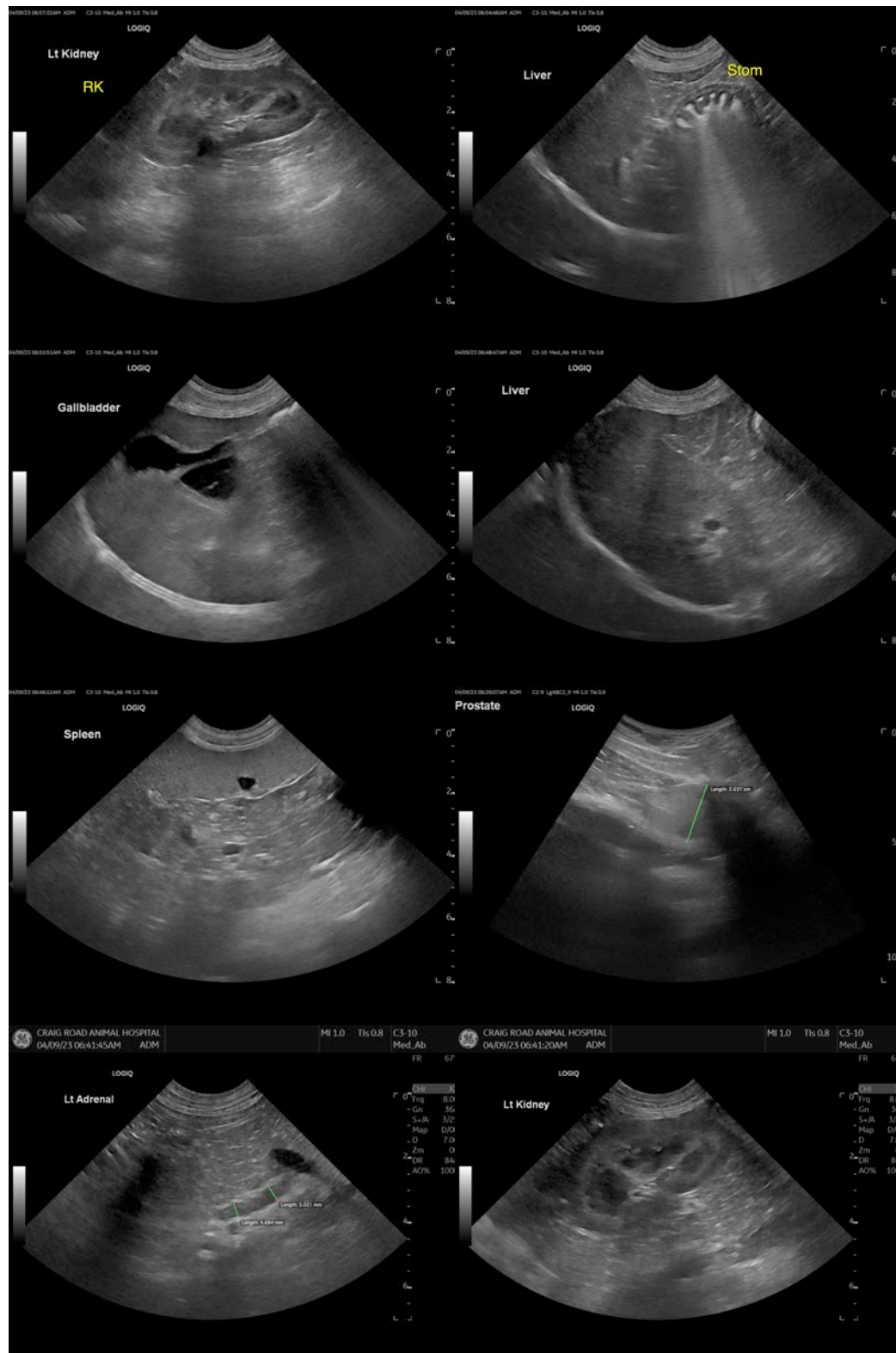
Dr. Ukachi Ugorji

INVOICE

46525

DATE

4/9/23





PATIENT

Jackson Rueda

SPECIES

Canine

BREED

Miniature Australian
Shepherd

SEX

Intact Male

AGE

8 Years 8 Months

WEIGHT

38.5

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Ukachi Ugorji

HOSPITAL NAME

Craid Road AH

REFERRING VET

Dr. Ukachi Ugorji

INVOICE

46525

DATE

4/9/23

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