



PATIENT

Lolo Zuniga

SPECIES

Canine

BREED

Jack Russell

SEX

NM

AGE

14 years

WEIGHT

10.3 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Weekes

INVOICE

14803

DATE

8/3/23

PRESENTING CLINICAL SIGNS

Date: 8/3/2023 Reason for Visit: Went to Banfield 8/2/23 (Pembroke P West) because pet was less intetrested in food and was vomiting. Also wife noted that she had seen yellow gums and abdomen wears a diaper and when removed was very yellow. (Earlier this week) 15 other dogs in the home. History: 13-14yr old NM C/S/V/D: vomited last week (Mon/Tues ate then vomit 30 min later, Wed NPO, Thur back from vet boiled chicken small amount and little this morning (no vomit) E/D/U/D: less interested in food which caused to go to the vet in the first place (did eat a little bit yest

Abnormal PE/Chem/CBC/UA Results: Hydration: 5% dehydrated Mentation: (+/-) a bit depressed? EENT: N Oral Cavity: moderate calculus Lymph Nodes: N Skin: N CV/Respiratory: N Abd/GI: N Uro/Perineum: N Musculoskeletal: N Neurological: N

WBC 9.2 with lymphopenia, ALP 2823, ALT 1447, GGT 214, TBil 17.0

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

The residual prostate was free of overt pathology.

No evidence of pathology in the area of the aortic trifurcation.

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 3.8 cm in length. The right kidney measured 4.3 cm in length.

Adrenal Glands

The left and right adrenal glands were not definitively visualized yet no overt pathology was noted in the area of the left or right adrenal glands.

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 was subjectively mildly enlarged yet maintained a symmetrical capsule contour. Uniform hepatic parenchyma exhibiting subjective reduced hepatic parenchyma echogenicity was present with mild increased yet indistinct prominence of the portal vascular borders. Overtly normal hepatic vascular volume was noted. There were no visualized hepatic intraparenchymal masses or nodules



PATIENT

Lolo Zuniga

noted. The gallbladder was non-distended in size with an overtly normal gallbladder wall containing primarily anechoic content with minor, echogenic gallbladder sediment. The common bile duct was not definitively visualized, yet there was no obvious evidence of post-hepatic obstruction.

SPECIES

Canine

Gastrointestinal

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

BREED

Jack Russell

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.

SEX

NM

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

AGE

14 years

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 were evident.

WEIGHT

10.3 lbs.

Free Abdomen

No omental masses, lymphadenopathy, or evidence of peritoneal effusion were noted.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy - sonographically consistent with acute hepatopathy criteria, acute hepatitis (viral, bacterial, Leptospirosis, toxin, etc.,) vacuolar hepatopathy, nonobstructive cholestasis, occult infiltrative neoplasia, all potentials
- Nondistended gallbladder with mild gallbladder sediment (non mucocele)
- Mild chronic renal changes
- Overtly normal gastrointestinal tract with mild gastric ingesta - possible secondary metabolic / functional gastric hypomotility if documented NPO, no evidence of an obstructive pattern

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Dr. Weekes

Assuming normal clotting status, further assessment of the liver may include hepatic FNA cytology and Leptospirosis titers / PCR. There is no overt indication for immediate surgical intervention. Hospitalization with IV fluids, empirical hepatic support which may include Ursodiol, Denamarin, antibiotic trial if clinical concern for infectious hepatitis, and as-needed gastrointestinal support with monitoring of hepatic enzymes and clinical response, are warranted. A recheck sonogram, if progressive hepatic enzyme elevations or clinical signs, is suggested.

INVOICE

14803

DATE

8/3/23



PATIENT

Lolo Zuniga

SPECIES

Canine

BREED

Jack Russell

SEX

NM

AGE

14 years

WEIGHT

10.3 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

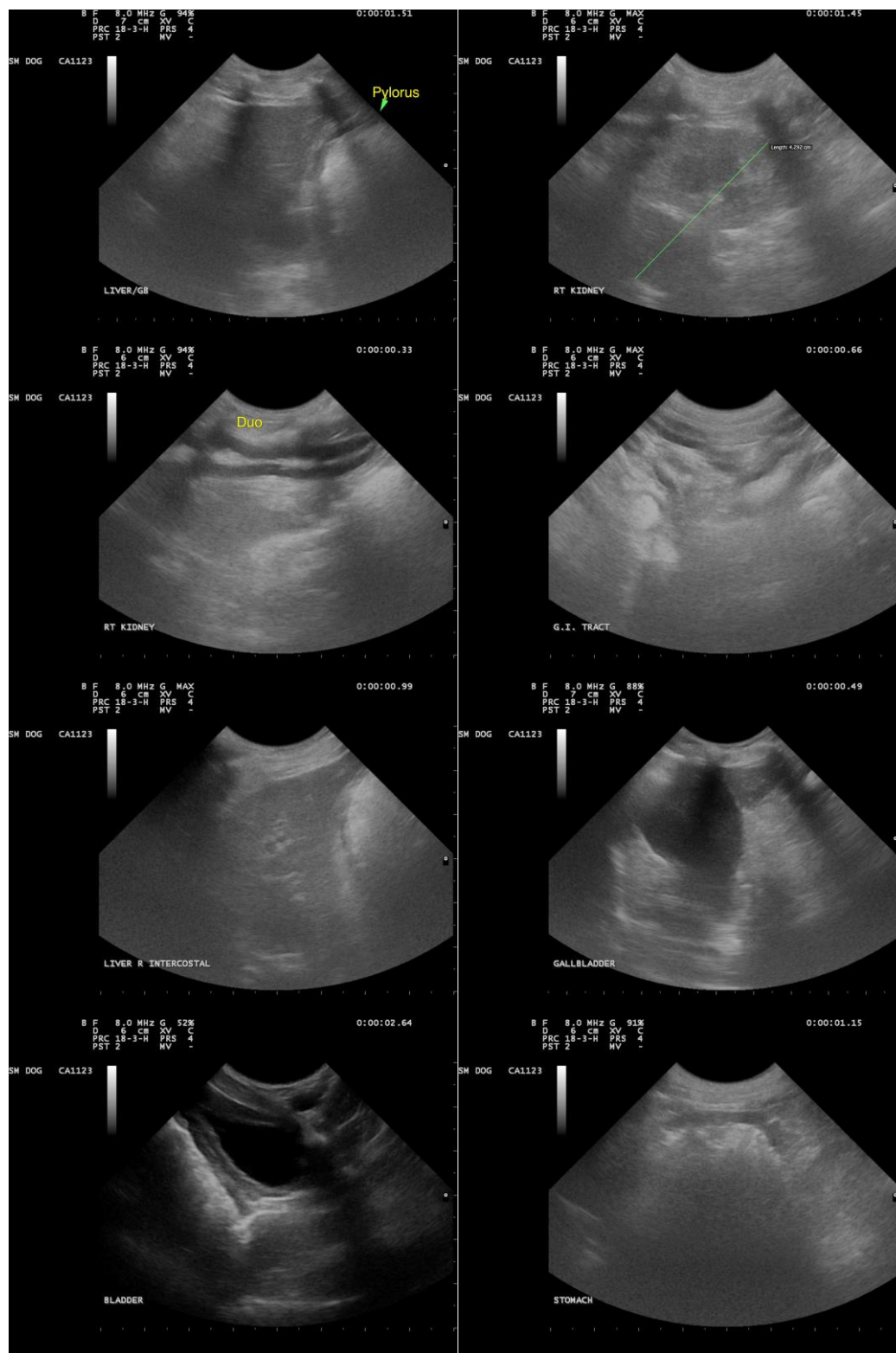
Dr. Weekes

INVOICE

14803

DATE

8/3/23





PATIENT

Lolo Zuniga

SPECIES

Canine

BREED

Jack Russell

SEX

NM

AGE

14 years

WEIGHT

10.3 lbs.



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.

INTERPRETED BY

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

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

info@sonopath.com

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Weekes

INVOICE

14803

DATE

8/3/23