



PATIENT

Conan Paquiao Rios

SPECIES

Canine

BREED

Lhasa Apso

SEX

Male Intact

AGE

13 years

WEIGHT

10.6 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario
del Norte

REFERRING VET

Dra. Ileana Rivera

INVOICE

17104

DATE

6/20/23

PRESENTING CLINICAL SIGNS

Dog presented for evaluation for several episodes of vomiting early June and vomiting resolved but dog continued with anorexia and somewhat lethargic. History of a similar episode during March of this year. On presentation, early June 2023, dog was BAR, abdomen was hard and painful on palpation.

CBC mild neutrophilia, Chem 17 mild hypo CL/K, mildly elevated ALP/ALT; mildly elevated BUN.

Radiographs were taken and interpretation of radiologist was suggestive of gastroenteritis/ colitis; supportive care recommended. He was hospitalized with IV fluids, cerenia, famotidine and improved, he even ate boiled chicken. Dog was stable at home but then this past weekend started again with anorexia, and nausea, no vomit. On PE, heart murmur grade 2-3/6 was auscultated this time; he was tense in abdominal palpation and bloodwork was repeated. Results of cbc and chemistry were within normal limits this time. Concerned about foreign body, neoplasia, open.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was subnormal in size. which prohibited full evaluation of the urinary bladder walls. Minimal primarily anechoic fluid was present in the urinary bladder with no sediment, mineral, or calculi. No evidence of urinary bladder tumors was noted.

The prostate was enlarged in size with an 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. Potential focal area of parenchymal mineralization vs. fibrosis was noted measuring 0.57 cm in diameter. The overall prostate measured 2.7 cm diameter.

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. Small right kidney caudal lateral cortical cyst was present. The left kidney measured 3.9 cm in length. The right kidney measured 4.0 cm in length.

Adrenal Glands

The left adrenal gland was overtly normal in size, position, and shape measuring 0.49 cm width at the caudal pole. The right adrenal gland was not definitively visualized.

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.



PATIENT

Conan Paquiao Rios

SPECIES

Canine

BREED

Lhasa Apso

SEX

Male Intact

AGE

13 years

WEIGHT

10.6 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario
del Norte

REFERRING VET

Dra. Ileana Rivera

INVOICE

17104

DATE

6/20/23

Liver/ Gallbladder

The liver exhibited subjective to borderline 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 containing primarily anechoic content with mild, nonorganized, hyperechoic, gallbladder sediment. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach exhibited generalized intact mildly prominent wall layering. The stomach exhibited moderate, retained, primarily anechoic fluid and lumen gas. A mild amount of nonspecific progressively shadowing ingesta was present in the pyloric outflow without overt evidence of mechanical pyloric outflow obstruction or obstructive pyloric mural pathology. The pylorus wall width measured 0.48 cm. The ventral gastric body wall width measured 0.45 cm.

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 mechanical / metabolic ileus, obstruction, or foreign material. The duodenum wall measured 0.36 cm width. The jejunum wall measured 0.32 cm width.

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

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Prostatomegaly exhibiting nonhomogeneous possible focally mineralized parenchyma - benign prostatic hyperplasia, potential for prostatitis, emerging prostatic neoplastic criteria cannot be definitively excluded
- Bilateral chronic renal changes
- Subjective borderline / mild hepatomegaly - overtly benign
- Mild gallbladder sediment (non-mucocele)
- Intact generalized mild prominent gastric wall, moderate gastric hypomotility with retained fluid and nonspecific mildly shadowing pyloric ingesta
- Sonographically unremarkable small bowel
- Minor pancreatic remodeling



PATIENT

Conan Paquiao Rios

SPECIES

Canine

BREED

Lhasa Apso

SEX

Male Intact

AGE

13 years

WEIGHT

10.6 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario del Norte

REFERRING VET

Dra. Ileana Rivera

INVOICE

17104

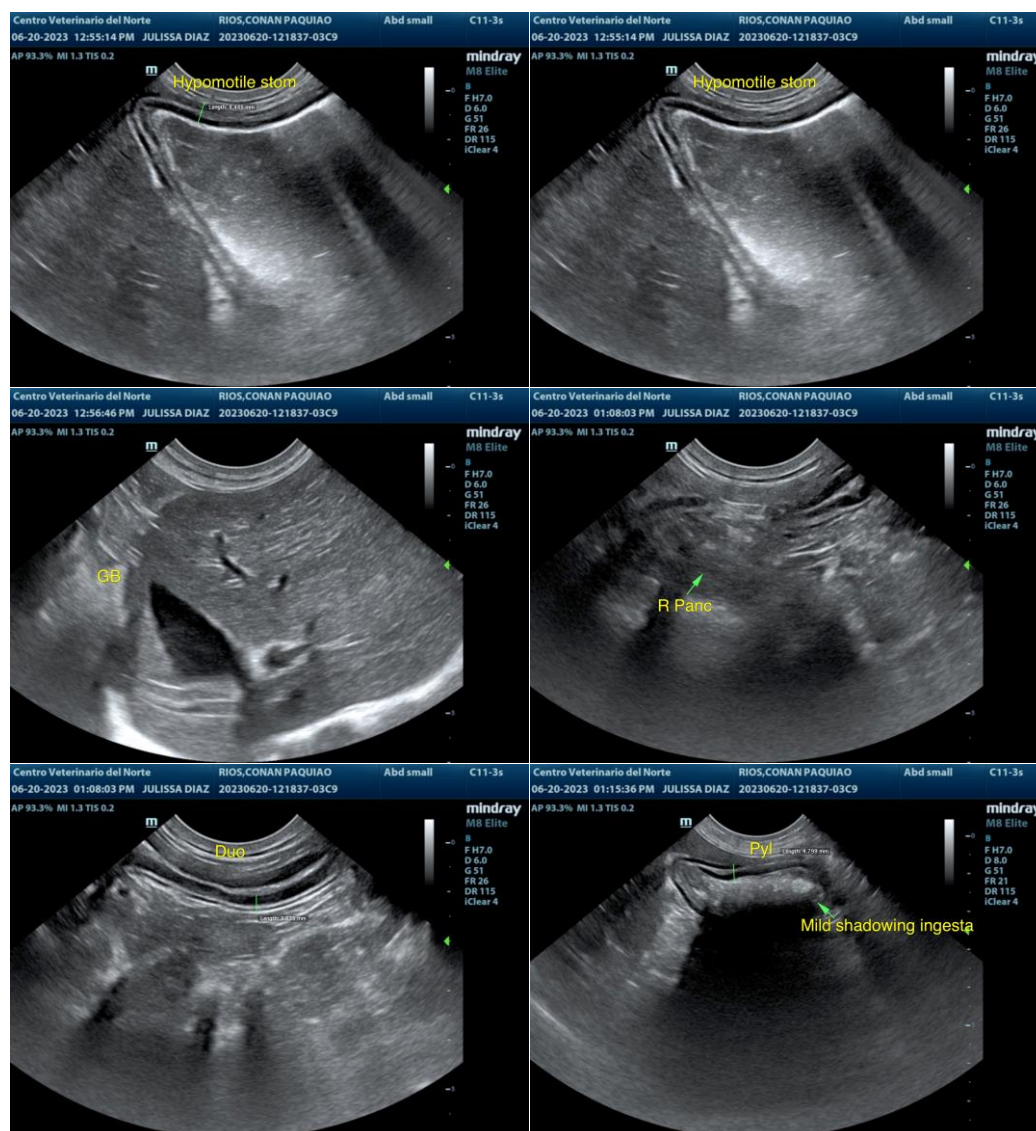
DATE

6/20/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically, the appearance of the stomach is suggestive of hypomotile gastritis. Potential for early infiltrative gastric mural neoplasia or mild pyloric foreign material, i.e., fabric, stuffing, or similar cannot be definitively excluded. Potential for low-grade / chronic pancreatitis may be suspected if evidence of cranial abdominal or subxiphoid discomfort on palpation +/- abnormal Spec cPL.

Hospitalization with 24-hour IV fluid gastrointestinal support, documented NPO, and sonographic reassessment of the stomach to assess gastric emptying vs. persistent retained fluid and mild shadowing pyloric ingesta is recommended. Although considered less likely, screening resting cortisol level is suggested to rule out occult Addison's Disease. Endoscopy, if available, would likely be ideal for further assessment of the gastric lumen and potential for biopsies. Prostatic sampling would be required for further clarification.





PATIENT

Conan Paquiao Rios

SPECIES

Canine

BREED

Lhasa Apso

SEX

Male Intact

AGE

13 years

WEIGHT

10.6 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Julissa Diaz

HOSPITAL NAME

Centro Veterinario del Norte

REFERRING VET

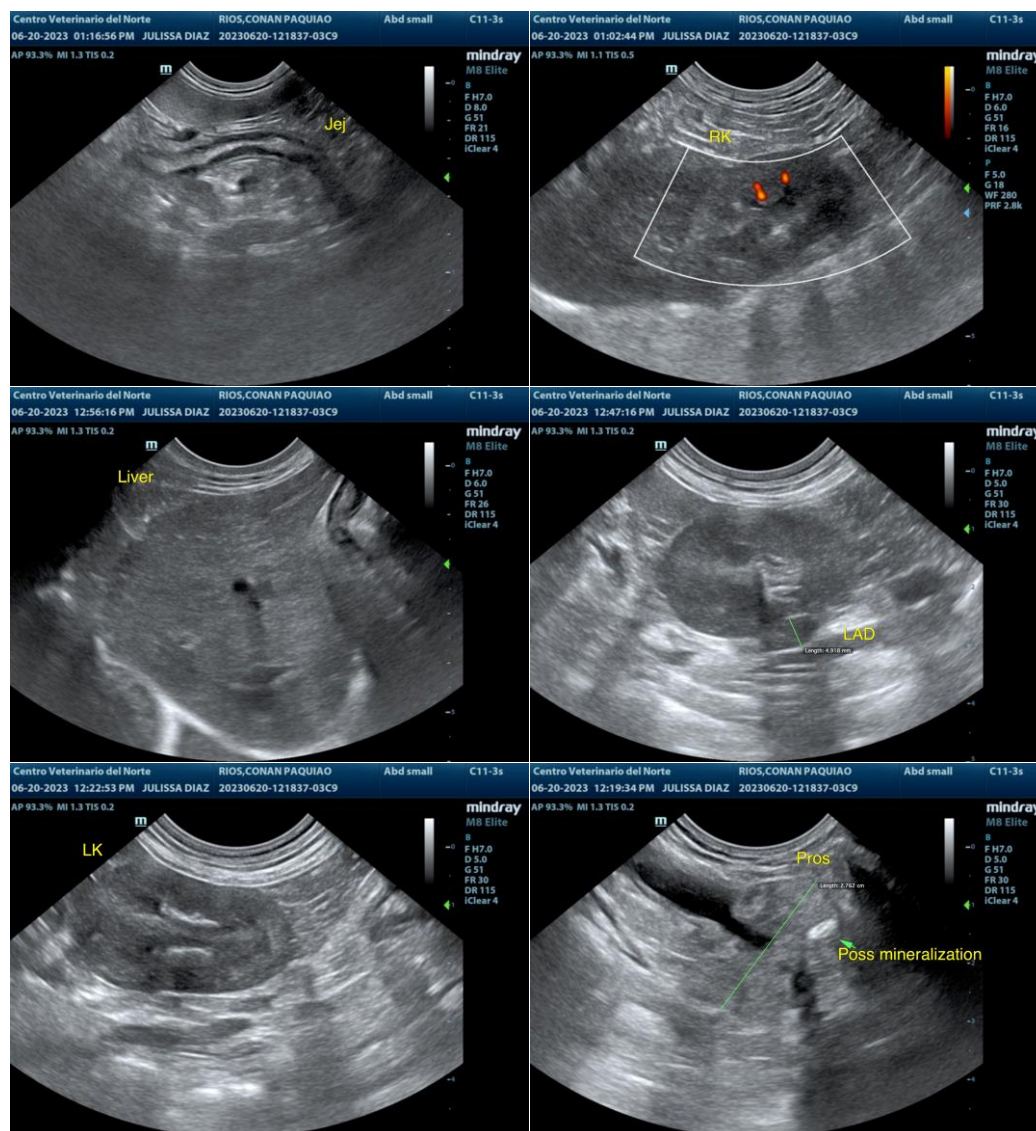
Dra. Ileana Rivera

INVOICE

17104

DATE

6/20/23



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