



PATIENT

Toto Xin

SPECIES

Canine

BREED

Schnauzer Mix

SEX

NM

AGE

13 years 4 months

WEIGHT

14.76 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Feldt

INVOICE

13940

DATE

5/25/22

PRESENTING CLINICAL SIGNS

Rechecking: Lethargy, Lack of Appetite History: P presents for lethargy after yesterday visit. O states after yesterday's visit P got home and was very stiff and stood for a while. P refused to eat, did not want anything offered to him. Last bowel movement was Diarrhea he had in h our Lobby yesterday. O states abdomen was very stiff and O tried massaging it to help P pass some gas. O believes the Cerenia and Famotidine Injections given yesterday are the cause of P's lethargy and lack of improvement. Normal CBC/Chem yesterday except mildly elevated ALT (128) CPL normal C/S/V/D: diarrhea yesterday E/D/U/D: lethargy, no appetite Diet: primal raw diet, now offering boiled chicken + rice FAS Score: 0 Current Medications (dose and frequency): cerenia/famotidine 0.7 mls SQ 5/24 Known Allergies and Medical Conditions: Abnormal PE/Chem/CBC/UA Results: Exam Notes: Depressed, mm pink tacky, 3/6 left systolic murmur, lungs clear. Ab Palp - tense, gassy. Rectal exam - dilated colon, fresh blood and mucus. MS - No CP deficits, no obvious back or neck pain. Diagnostic Testing Needed: CBC/Chem ALT 128 - r/o GI vs primary liver dz CPL Normal HWT - neg

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm 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 changes was noted.

The area of the aortic trifurcation was free of pathology.

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 4.5 cm in length. The right kidney measured 4.5 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm width at the caudal pole and 0.43 cm width at the cranial 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.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were



PATIENT

Toto Xin

normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

SPECIES

Canine

Gastrointestinal

The stomach presented intact yet mildly prominent wall layering. The stomach was primarily empty with luminal gas. The ventral gastric body wall width measured 0.36 cm.

BREED

Schnauzer Mix

The small intestine presented intact wall layering and maintained a 1:3 muscularis/mucosa ratio. Mild areas of segmental jejunal ileus were present, yet without overt evidence of mechanical obstructive pattern, overt small bowel foreign material, loss of intestinal wall layering, intestinal masses, etc.

SEX

NM

The colon exhibited intact wall layering with nonformed feces present in the descending colon.

AGE

13 years 4 months

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

14.76 lbs.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Gastroenterocolitis pattern - subjectively acute
- Low-grade hepatopathy - reactive hepatopathy potentially owing to acute gastrointestinal inflammation, or primary low-grade inflammatory hepatopathy possible given the ALT elevation

IMAGING PERFORMED BY

Michaleen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant abdominal specifically gastroenterocolic or pancreatic pathology as an obvious cause of the patient's clinical signs. Enterotoxic insult, acute hemorrhagic gastroenteritis syndrome, IBD, dietary indiscretion / food Intolerance, and infectious gastroenterocolitis without overt evidence of neoplastic criteria, are possible. Low-grade pancreatitis, which may present as sonographically normal, cannot be excluded yet considered less likely, but may be possible if evidence of cranial abdominal or subxiphoid discomfort on palpation.

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Feldt

No indication for surgical Intervention, given the lack of definitive obstructive pattern or foreign material. Empirical therapy for acute gastroenterocolitis / acute hemorrhagic diarrhea syndrome should prove beneficial. Recheck sonogram is recommended If persistent / progressive gastrointestinal signs despite supportive care to assess for evidence of progressive gastrointestinal ileus pattern or Inflammatory mural changes.

INVOICE

13940

DATE

5/25/22



PATIENT

Toto Xin

SPECIES

Canine

BREED

Schnauzer Mix

SEX

NM

AGE

13 years 4 months

WEIGHT

14.76 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

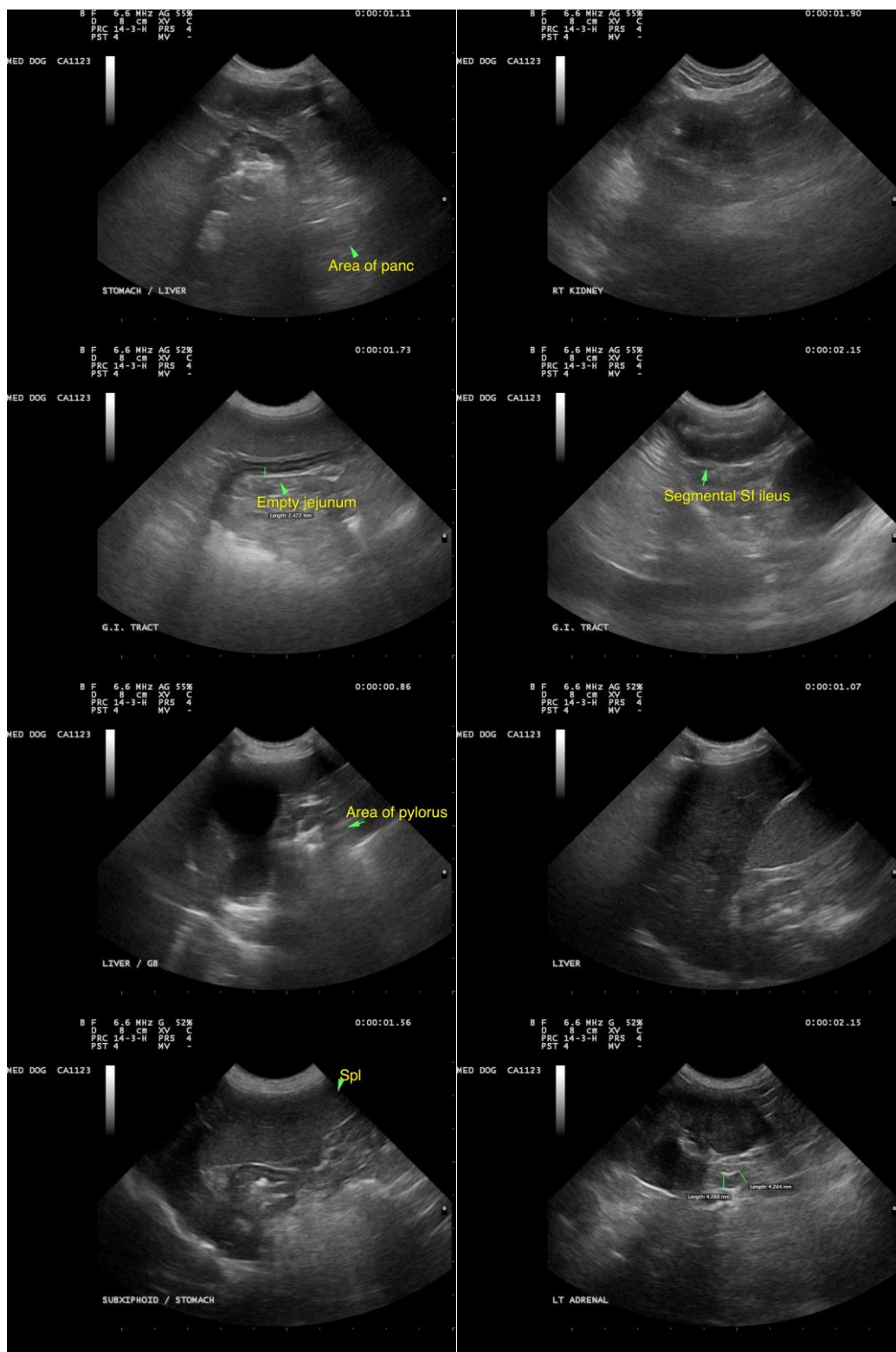
Dr. Feldt

INVOICE

13940

DATE

5/25/22





PATIENT

Toto Xin

SPECIES

Canine

BREED

Schnauzer Mix

SEX

NM

AGE

13 years 4 months

WEIGHT

14.76 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Feldt

INVOICE

13940

DATE

5/25/22



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