



PATIENT

Sophia Devlin

PRESENTING CLINICAL SIGNS

History: Vomiting last few days bile and blood.
Abnormal PE/Chem/CBC/UA Results: Mild elevation of liver enzymes

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 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 were noted. Aortic trifurcation was normal.

BREED

Sib Husky

SEX

Spayed Female

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 6.0 cm in length. The right kidney measured 6.1 cm in length.

AGE

4 Years

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.34 cm width at the cranial pole.

WEIGHT

30 kg

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.50 cm width at the caudal pole and 0.41 cm width at the cranial pole.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Dr. Belan

Liver

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 normal in appearance without signs of congestion.

HOSPITAL NAME

Alpine 24/7 AH

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Kyono

Gastrointestinal

The stomach presented intact yet mild prominent wall layering with subjective indistinct wall layer detail yet no overt evidence of gastric masses. The lumen of the stomach contained a mild amount of primarily nonshadowing ingesta/chyme. No overt evidence of mechanical pyloric outflow obstruction or obstructive mural pathology. The gastric body wall measured 0.59 cm. The pylorus wall measured 0.48 cm.

INVOICE

16900

DATE

8/18/22

The small intestine presented intact wall layering with maintained 1:3 muscularis/mucosa ratio. Generalized mild duodenal chyme, along with segmental jejunal chyme was present without overt



PATIENT

Sophia Devlin

evidence of mechanical obstructive pattern. The duodenum wall measured 0.34 cm. The jejunum wall measured 0.38 cm.

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

SPECIES

Pancreas

Canine

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.

BREED

Sib Husky

Free Abdomen

Intermittent, mildly prominent to isoechoic mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of inflammation or neoplastic criteria and maintaining a normal width: length ratio (<0.5). No effusion noted.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

AGE

4 Years

- Mildly prominent gastric walls with mild potentially retained gastric ingesta/chyme
- Overtly normal small bowel with possible duodenal and segmental jejunal hypomotility
- Low grade hepatopathy- benign
- Intermittent mildly prominent benign/reactive mesenteric lymph nodes

WEIGHT

30 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Sonographically, the appearance of the stomach and segmental gastrointestinal tract may indicate gastritis with potential for gastroduodenitis or more generalized gastroenteritis. No overt evidence of obstructive criteria, ulceration or neoplastic criteria, which is considered a less likely differential diagnosis. Empirical therapy for gastritis/gastroenteritis with assessment of clinical response would be reasonable. Some or all of the following protocol may be considered if clinically indicated. Adrenal screening with resting cortisol to rule out occult Addisons disease is warranted.

IMAGING PERFORMED BY

Dr. Belan

Helicobacter/Gastritis protocol

HOSPITAL NAME

Alpine 24/7 AH

A clinical trial of **Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), Metronidazole (10-20 mg/kg p.o. b.i.d.), Pepcid (0.5-1 mg/kg s.i.d.) and Sucralfate (0.5-2 g/dog PO) or Omeprazole (1 mg/kg p.o. s.i.d.)** over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

REFERRING VET

Dr. Kyono

INVOICE

16900

DATE

8/18/22



PATIENT

Sophia Devlin

SPECIES

Canine

BREED

Sib Husky

SEX

Spayed Female

AGE

4 Years

WEIGHT

30 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7 AH

REFERRING VET

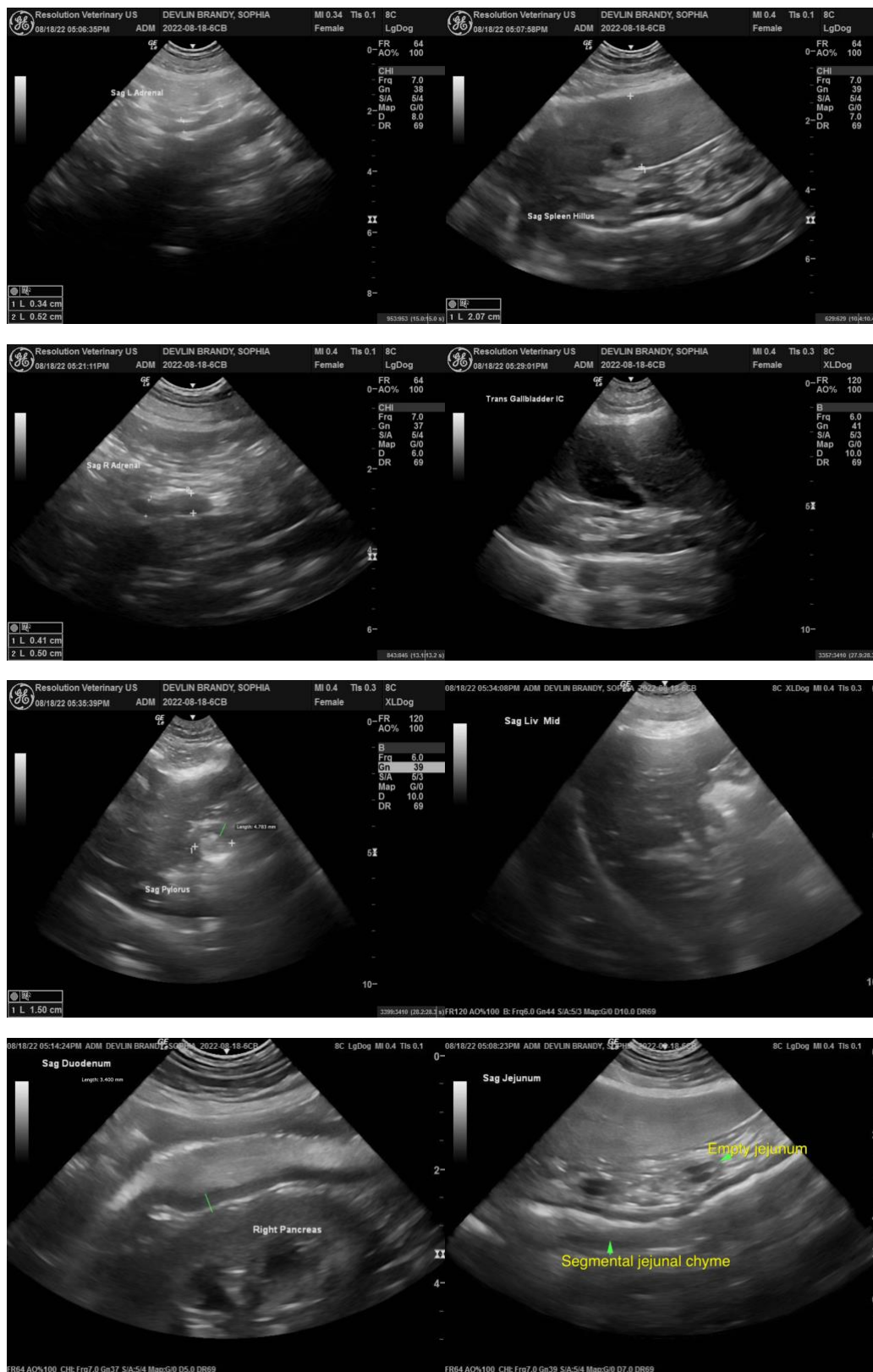
Dr. Kyono

INVOICE

16900

DATE

8/18/22





PATIENT

Sophia Devlin

SPECIES

Canine

BREED

Sib Husky

SEX

Spayed Female

AGE

4 Years

WEIGHT

30 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7 AH

REFERRING VET

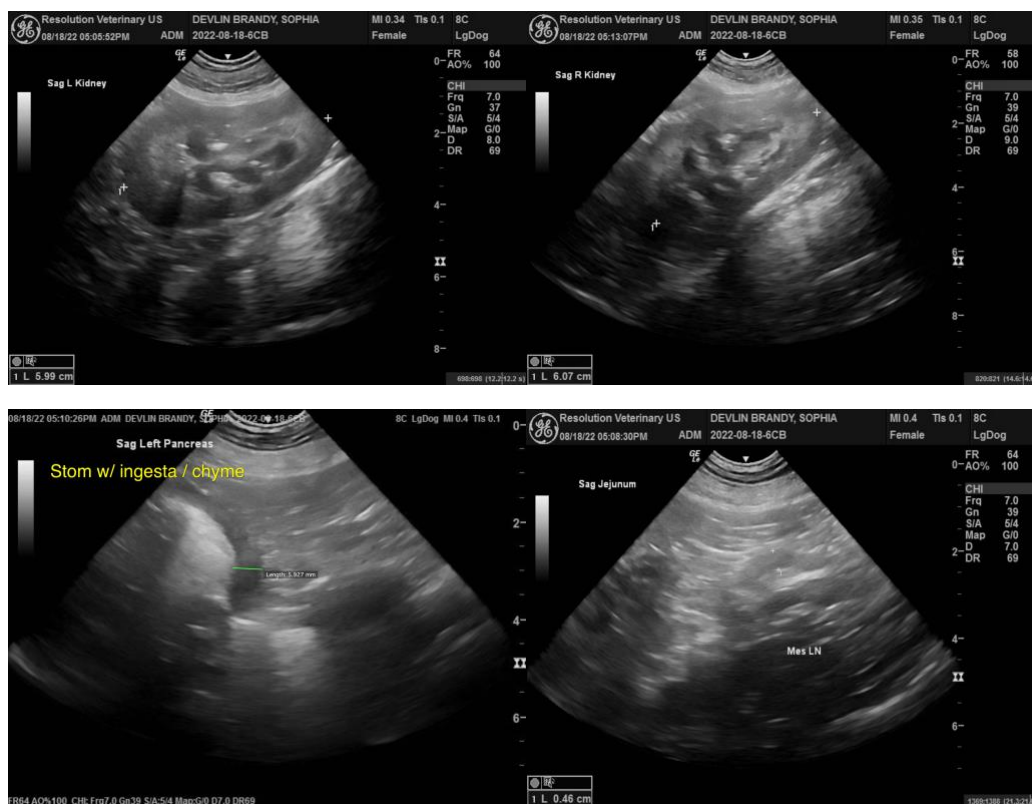
Dr. Kyono

INVOICE

16900

DATE

8/18/22



The information and recommendations provided are based on the images presented by the referring veterinarian. 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