



PATIENT PRESENTING CLINICAL SIGNS

Wiley Foster-Clark

Possible FB ingestion, was left unsupervised in laundry room on Wed Aug 18th. Had room torn apart when owners returned. Unsure if anything missing, but there was toothpicks, laundry etc.. Radiographs showed no distinct abnormalities but lethargic, inappetent and fever of 40 degrees Celcius.

SPECIES

Abnormal PE/Chem/CBC/UA Results: July bloodwork was WNL. Please see attached radiographs.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Portugese Water Dog

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 were noted.

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 5.1 cm. The right kidney measured 5.0 cm.

AGE

9 Months

Adrenal Glands

WEIGHT

15.9 kg

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm at the cranial pole and 0.52 cm at the caudal pole. The right adrenal gland measured 1.1 cm at the cranial pole and 0.59 cm at the caudal pole.

Spleen

INTERPRETED BY

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

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

IMAGING PERFORMED BY

Crystal Hill

The liver exhibited potential mild generalized 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 luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

East Credit VH

Gastrointestinal

REFERRING VET

Dr. Webster

The stomach exhibited intact wall layering without evidence of mural hypertrophy. A mild to moderate amount of retained echogenic ingesta and multifocal subjectively small shadowing gastric luminal echoes were present. Example of shadowing echo measured 1.1 cm diameter. The shadowing echoes appears to extend into the area of the pylorus, yet no evidence of mechanical pyloric outflow obstruction as evidenced by the lack of generalized significant gastric distention. Pylorus wall measured 0.60 cm.

INVOICE

24839

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. Jejunum wall measured 0.33 cm.

DATE

8/20/21

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



PATIENT *Pancreas*

Wiley Foster-Clark

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.

SPECIES

Canine

Free Abdomen

Focal to intermittent, mildly prominent to enlarged mesenteric nodes were present. Example measured 0.62 cm in width. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED

Portugese Water Dog

No effusion.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Mild to moderate retained gastric ingesta with suspicious gastric luminal echoes
- Sonographically unremarkable small bowel – no evidence of small bowel mechanical ileus, obstruction or foreign material.
- Suspect mild reactive hepatomegaly – subjectively benign
- Intermittent minor mesenteric lymphadenopathy – probable benign lymphoid hyperplasia or immunologic immaturity.

AGE

9 Months

WEIGHT

15.9 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the patient's history and reported inappetence, the retained gastric ingesta with luminal shadowing echoes is strongly suspicious for non-obstructive gastric foreign material with likely minor gastric inflammation and stasis. The shadowing gastric echoes may also potentially represent dense ingesta, treats, or medication if clinically applicable.

INTERPRETED BY

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

Conservatively, hospitalization with IV fluid and gastrointestinal support with recheck sonogram in 12-24 hours for reassessment of the stomach and luminal shadowing echoes would be appropriate. However, further assessment with gastric endoscopy or laparotomy with expectation toward gastrotomy (given the patient's history and sonographic findings) would be warranted.

IMAGING PERFORMED BY

Crystal Hill

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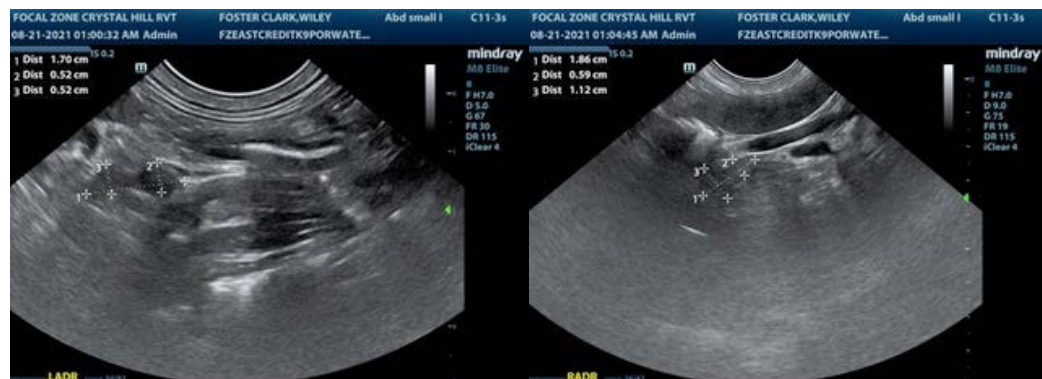
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PATIENT

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SPECIES

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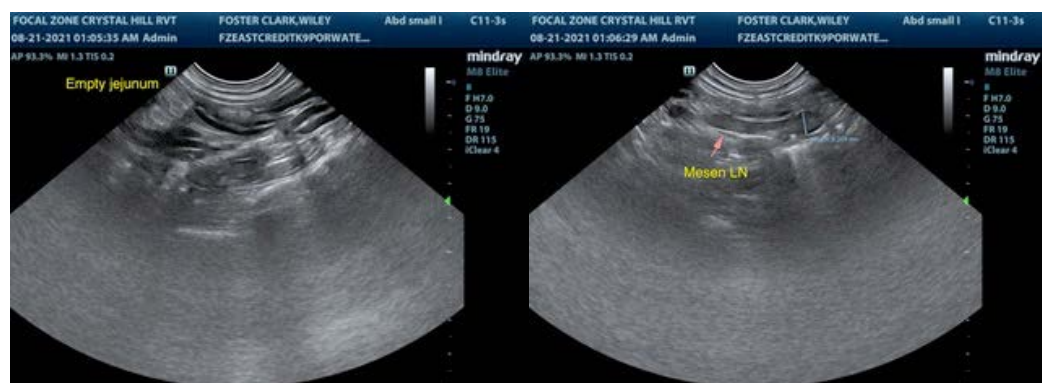
Dr. Webster

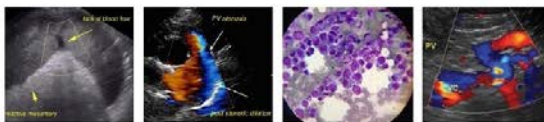
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PATIENT

Wiley Foster-Clark

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.

SPECIES

Canine

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.

BREED

Portugese Water Dog

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Spayed Female

AGE

9 Months

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