



PATIENT PRESENTING CLINICAL SIGNS

Eddie Schmidt
History: Vomiting and diarrhea
Abnormal PE/Chem/CBC/UA Results: WBC: 19.5, Lym: 5.3, mono: 2.55

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine
Urinary System

BREED
Pug
The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild nondependent particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

SEX
Neutered Male
The area of the residual prostate appeared normal and free of pathology.

The area of the aortic trifurcation was free of pathology.

AGE
10 Months
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 3.7 cm in length. The right kidney measured 3.8 cm in length.

WEIGHT
17 Pounds
Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.4 cm in length x 0.43 cm width at the caudal pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.4 cm length x 0.34 cm width at the caudal 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

A. Rodriguez

HOSPITAL NAME

Foxfield VS

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. 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

A. Rodriguez

Gastrointestinal

The stomach presented intact subjective borderline prominent wall layering. The lumen of the stomach was empty without evidence of retained ingesta, fluid and foreign material. Mild luminal gas was noted.

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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. The duodenum wall exhibited prominent intact wall layering with subtle duodenal corrugation and minor retained



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duodenal fluid. The jejunum and ileum to the level of the colon exhibited intact wall layering and primarily maintained 1:3 muscularis to mucosa ratio with minor segmental nonobstructive jejunal ileus.

SPECIES

Canine

The colon revealed sonographically unremarkable wall layering with generalized soft to non-formed fecal matter consistent with patient history.

Pancreas

BREED

Pug

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.

SEX

Neutered Male

Free Abdomen

Focal to intermittent, mildly prominent to enlarged mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example measured 1.7 cm in diameter. No evidence of peritoneal effusion.

AGE

10 Months

ULTRASONOGRAPHIC FINDINGS

- Gastroenterocolitis pattern with moderate duodenitis
- Focal to intermittent subjective benign/reactive mesenteric lymph nodes- associated reactive hyperplasia, lymphadenitis, or immunologic immaturity impossible.

WEIGHT

17 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of gastrointestinal obstructive pattern or foreign material. Dietary indiscretion/food intolerance, enterotoxic insult, infectious disease, acute inflammatory bowel episode, occult Addison's disease and occult parasitism are all potentials.

Resting cortisol level to rule out occult Addison's disease is recommended. A fresh fecal analysis to rule out parasitic ova/Giardia +/- parvo test, if clinically indicated, is suggested.

Empirical aggressive gastrointestinal support should prove beneficial. Sonographic reassessment is recommended if persistent or progressive gastrointestinal signs.

INTERPRETED BY

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DABVP (Canine and
Feline)

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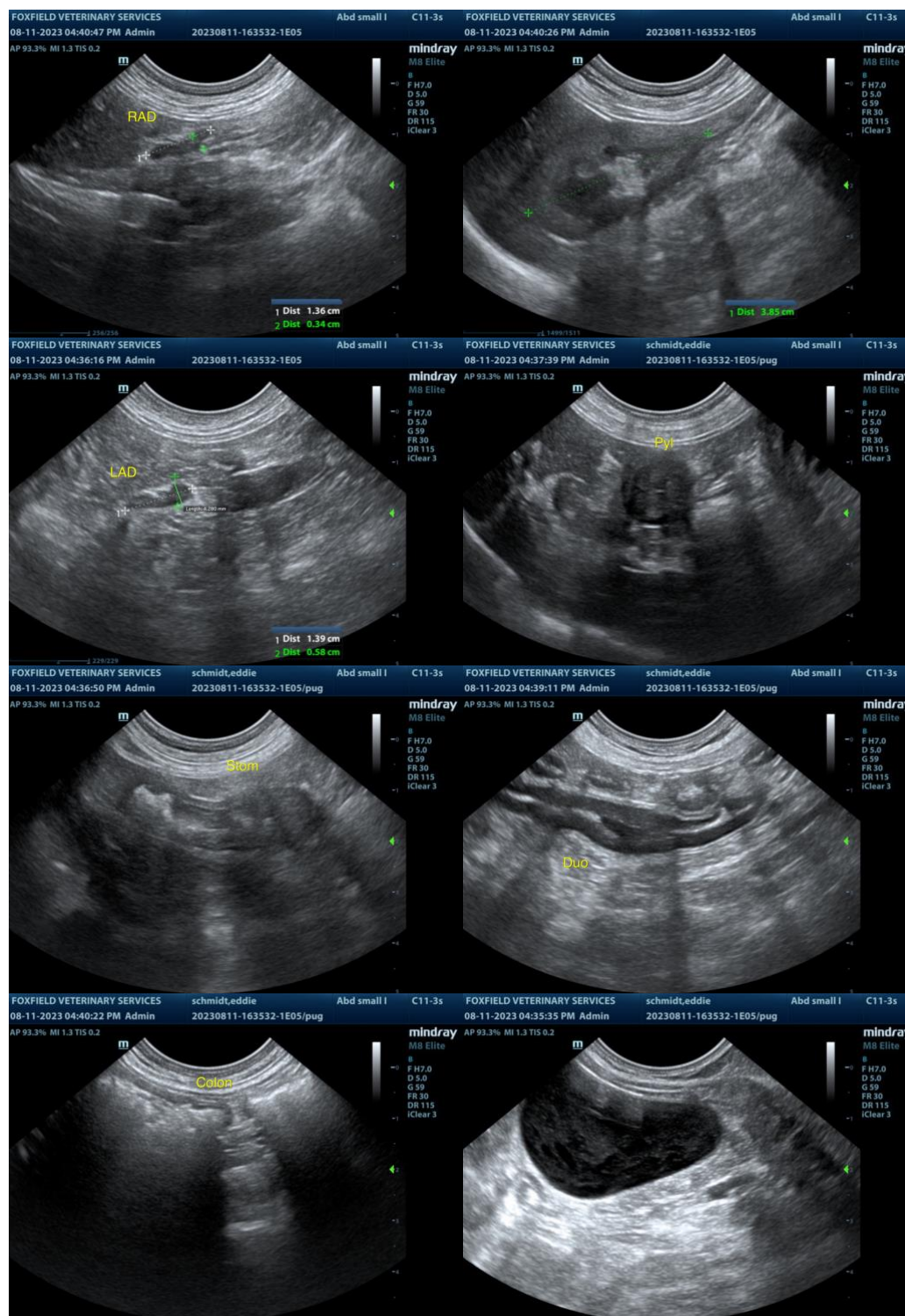
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

SPECIES

Canine

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Pug

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