



PATIENT PRESENTING CLINICAL SIGNS

Diesel Johnson
History: Not eating since thursday night, lethargic, vomited once thursday night/friday morning, getting second opinion. Pet was seen yesterday at regular DVM. Digital radiography was accomplished with potential f/b, potential enlarged liver and pancreas per owner. Pet has not been known to eat or tear up anything and there has been no evidence around the house. Hard feces eliminated from rectum. Blood work and abdominal ultrasound were performed today. Pet sensitive on abdominal palpation.

SPECIES

Canine

BREED

Chinese Pug

Abnormal PE/Chem/CBC/UA Results: See attached labs: CBC- Monocytosis 3.42 K/uL, Bands suspected Chem- Decreased Amyl 334 U/L and Cl 107mmol/L We have not received radiographs from rDVM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX Urinary System

NM

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with significant dependent to nondependent hyperechoic sediment to sand. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

10 years

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 4.5 cm in length. The right kidney measured 5.0 cm in length.

WEIGHT

23.8 pounds

INTERPRETED BY

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

The area of the aortic trifurcation was free of pathology.

No overt pathology in the area of the residual prostate.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.46 cm width at the caudal pole and 0.4 cm width at the cranial pole. No overt pathology in the area of the right adrenal gland.

IMAGING PERFORMED BY

Jasmine Palacios

Spleen

HOSPITAL NAME

Rivers Edge Pet Medical
Center

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.

REFERRING VET

Dr. Travis Gibson

Liver

The liver exhibited potential for mild generalized enlargement and was subjectively normal in 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.

INVOICE

10493ag

DATE

05/01/2022



PATIENT *Gastrointestinal*

Diesel Johnson The stomach exhibited moderate distention with retained echogenic fluid/chyme along with gas artifact. A strongly shadowing echo was present in the area of the antrum and pylorus measuring approximately 2.4 cm in diameter.

SPECIES

Canine The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental intestinal plication with moderate to variable retained chyme was present as well as a linear hyperechoic luminal echo primarily in the duodenum and upper to mid jejunum. Segments of empty normal appearing SI without evidence of mechanical or metabolic ileus were present likely in the area of the distal SI.

BREED

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

Pancreas

SEX

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.

NM

AGE

Free Abdomen

10 years The omentum was of uniform echogenicity. No evidence of peritoneal effusion or overt lymphadenopathy was present.

WEIGHT

23.8 pounds

ULTRASONOGRAPHIC FINDINGS

- Strongly shadowing pyloric echo with mild retained gastric fluid/chyme
- Segmental SI plication and obstructive pattern with linear luminal echo
- Significant nondependent to dependent hyperechoic UB sediment/sand
- Subjective mild hepatomegaly-benign

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING

PERFORMED BY

Jasmine Palacios

Sonographic abnormalities involving the stomach and upper GI tract are consistent with probable anchored pyloric foreign body with concurrent upper to mid intestinal linear foreign body with segmental intestinal obstructive pattern. Exploratory laparotomy is recommended with expectation of gastrotomy and enterotomy with potential multiple enterotomies possible. No overt evidence of peritonitis was present. Cystocentesis for UA as well as urine C/S is recommended.

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Center

Given the time frame between ultrasound study and interpretation, brief sonographic reassessment of the GI tract is recommended to correlate with sonographic interpretation as well as ensure the foreign material has not moved and screen for any developing peritonitis.

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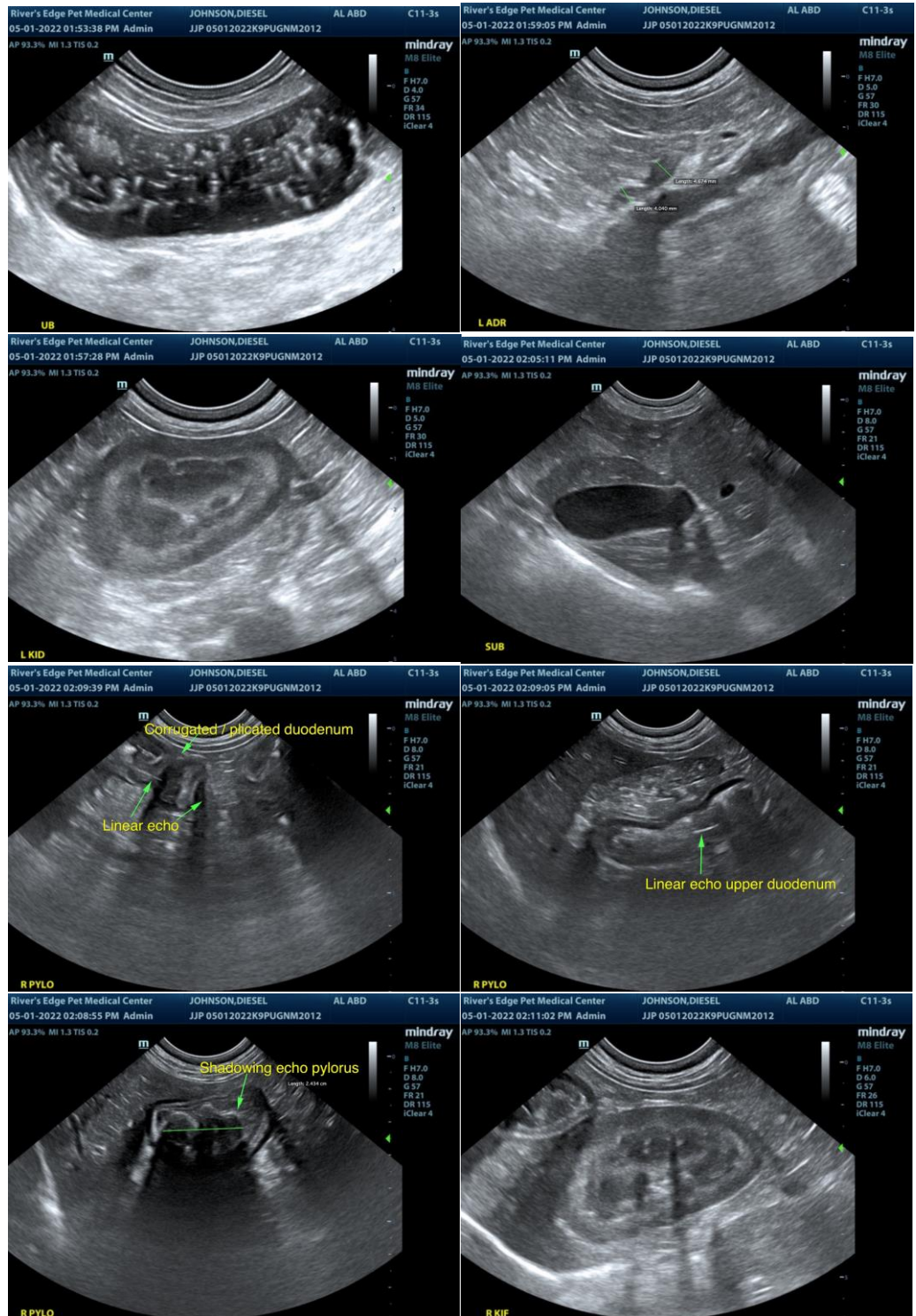
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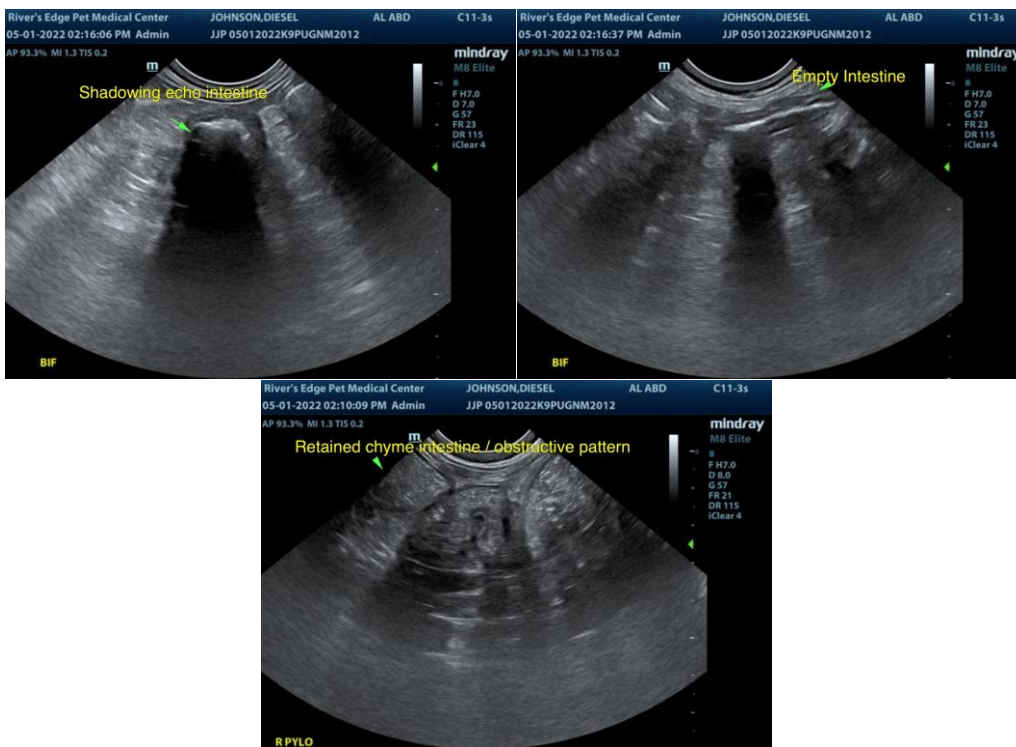
NM

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WEIGHT

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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.

IMAGING PERFORMED BY
Jasmine Palacios

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)

HOSPITAL NAME

info@SonoPath.com

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