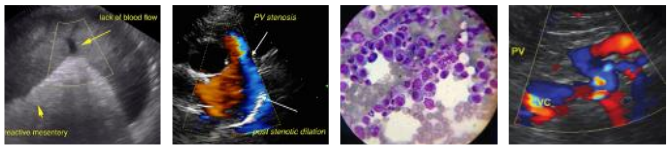
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Shooter Nunn

SPECIES
Canine

BREED
PitBull

SEX
MN

AGE
11yr

WEIGHT
75lb

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

IMAGING PERFORMED BY
Jessica Miller

HOSPITAL NAME
Tranquility VC

REFERRING VET
Dr. Christensen

INVOICE
11826ag

DATE
10/11/2022

PRESENTING CLINICAL SIGNS

FB ingestion yesterday- wire. Splenic nodules on US. No current meds.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

Normal size and margination was 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. Bilateral discrete pinpoint medullary mineral was present. The left kidney measured 6.4 cm in length. The right kidney measured 6.9 cm in length.

The area of the aortic trifurcation was free of pathology.

The residual prostate was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.70 cm width at the caudal pole and 2.5 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.55 cm width at the caudal pole and 2.2 cm length.

Spleen

The spleen exhibited normal size with areas of capsule asymmetry. Potential focal areas of lateral and medial capsule fibrosis were observed. Generalized mild parenchymal heterogeneity with multiple non-disruptive small hyperechoic nodules exhibiting subtle distal acoustic shadowing were present. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. No overt masses noted.

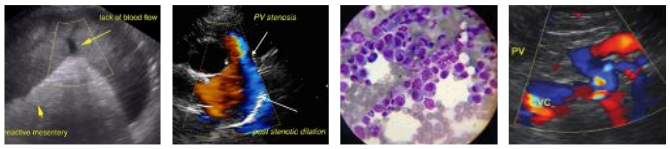
Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. 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 with minor non-dependent echogenic debris-likely incidental assuming no evidence of cholestasis and secondary to fasting. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact yet focal to regional mild prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained shadowing gastric ingesta/echoes with no evidence of mechanical pyloric outflow obstruction.



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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was primarily empty with possible concurrent segmental shadowing luminal echoes vs segmental luminal gas. No evidence of mechanical/metabolic ileus.

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

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 was evident.

Free Abdomen

Generalized normal appearing mesentery without evidence of peritonitis, peritoneal free fluid or overt lymphadenopathy.

ULTRASONOGRAPHIC FINDINGS

- Shadowing gastric ingesta/echoes, possible segmental non-obstructive similar appearing intestinal echoes vs luminal gas-consistent with gastric foreign material +/- non-obstructive segmental intestinal foreign material
- Normal splenic size exhibiting parenchyma heterogeneity including multiple non-disruptive subjective benign hyperechoic nodules-sonographically suggestive of benign/age related splenic changes with multiple benign myelolipomas, nodular hyperplasia or emerging splenic mineralization. Neoplastic criteria considered unlikely

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Exploratory laparotomy with expectation toward gastrotomy +/- enterotomy based on gross assessment of the GI tract is recommended. Although sonographically the appearance of the spleen is suggestive of benign changes, potential concurrent splenectomy may be considered based on gross appearance of the spleen. No evidence of intestinal perforation or peritonitis.

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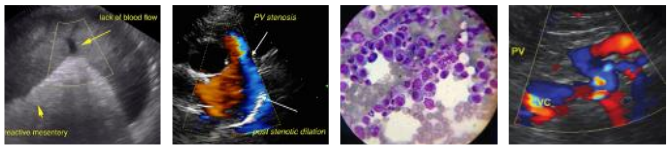

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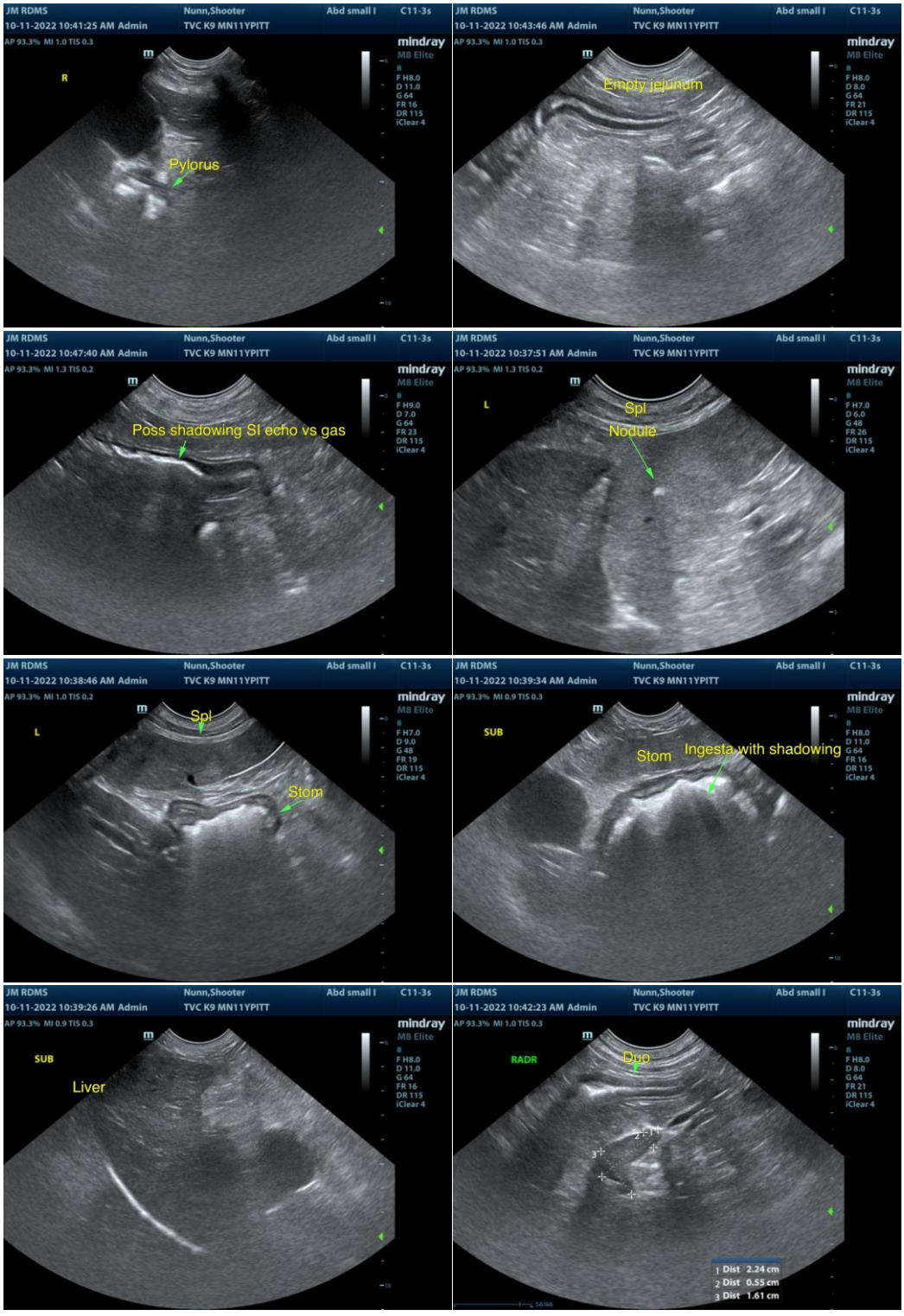

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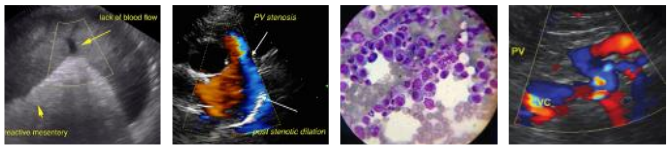

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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