

PATIENT

Monty McArthur

SPECIES

Canine

BREED

Jack Russell Terrier

PRESENTING CLINICAL SIGNS

Presented initially at the end of May with hematochezia over 2-week duration single episode of vomiting. There has been good energy and a reasonable appetite. Initial blood work at that time was unremarkable except for stress lymphopenia. Survey abdominal radiographs were also unremarkable. As of July 30 there is still ongoing hematochezia and increase amount of grass eating. No vomiting and still maintaining reasonable appetite. Blood work taken at this time demonstrated a marked hyperglobulinemia. This degree of hyperglobulinemia suggests severe chronic humeral inflammation or possibly a B- cell/plasma cell lymphoma.

Abnormal PE/Chem/CBC/UA Results: Marked hyperglobulinemia

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

MN

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 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.

AGE

11yr

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.

WEIGHT

8..1kg

The left kidney measured 4.7 cm in length. The right kidney measured 5.15 cm in length.

INTERPRETED BY

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

The area of the aortic trifurcation was free of pathology.

The residual prostate was free of pathology.

Multiple variably sized swollen to non-homogeneous iliac lymph nodes were present dorsal to the urinary bladder. An example of a medial iliac lymph node measured 2.1 cm x 1.4 cm. Concurrent similar appearing mesenteric lymph nodes were present, an example measuring 2.0 cm x 1.4 cm.

IMAGING PERFORMED BY

Dr. Westcott

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.49 cm width at the caudal pole and 0.36 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.29 cm width at the caudal pole and 0.46 cm width at the cranial pole.

HOSPITAL NAME

Dr. Alistair Westcott
DVM

Spleen

The spleen exhibited normal to mildly enlarged size with 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. Westcott

INVOICE

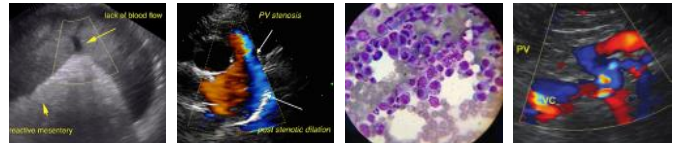
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Liver

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

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walls and primarily anechoic luminal content with minor echogenic luminal debris. The cystic and common bile ducts were normal.

Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

BREED

Jack Russell Terrier

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 measured 0.35 cm in width. The jejunum wall measured 0.27 cm in width. No overt pathology in the area of the ileocolic junction.

SEX

MN

The colon exhibited intact mildly prominent wall layering in the descending colon. The colon contained apparent semi formed to soft feces in lumen.

Pancreas

AGE

11yr

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

WEIGHT

8.1kg

A small pocket of scant peritoneal free fluid noted in the caudal abdomen.

ULTRASONOGRAPHIC FINDINGS

- Multiple variably sized swollen to non-homogeneous iliac and mesenteric lymph nodes
- Mild heterogeneous spleen
- Overtly normal GI tract
- Mild colitis pattern
- Mild heterogeneous pancreas-age related changes, potential for low grade to chronic pancreatitis

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(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The lymphadenopathy present in the study is consistent with previous lymphatic cytology demonstrating round cell neoplasia. No definitive splenic masses were noted yet given the splenic cytology infiltrative criteria is likely.

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Oncology consult with chemotherapeutic intervention could be considered. As needed GI support and empirical therapy for colitis would be reasonable. No overt evidence of hepatic, GI, hepatic or renal involvement.

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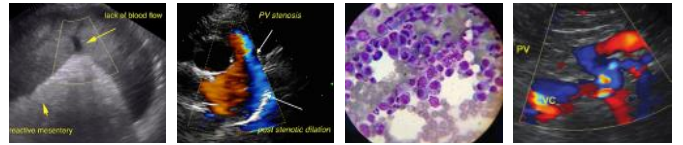
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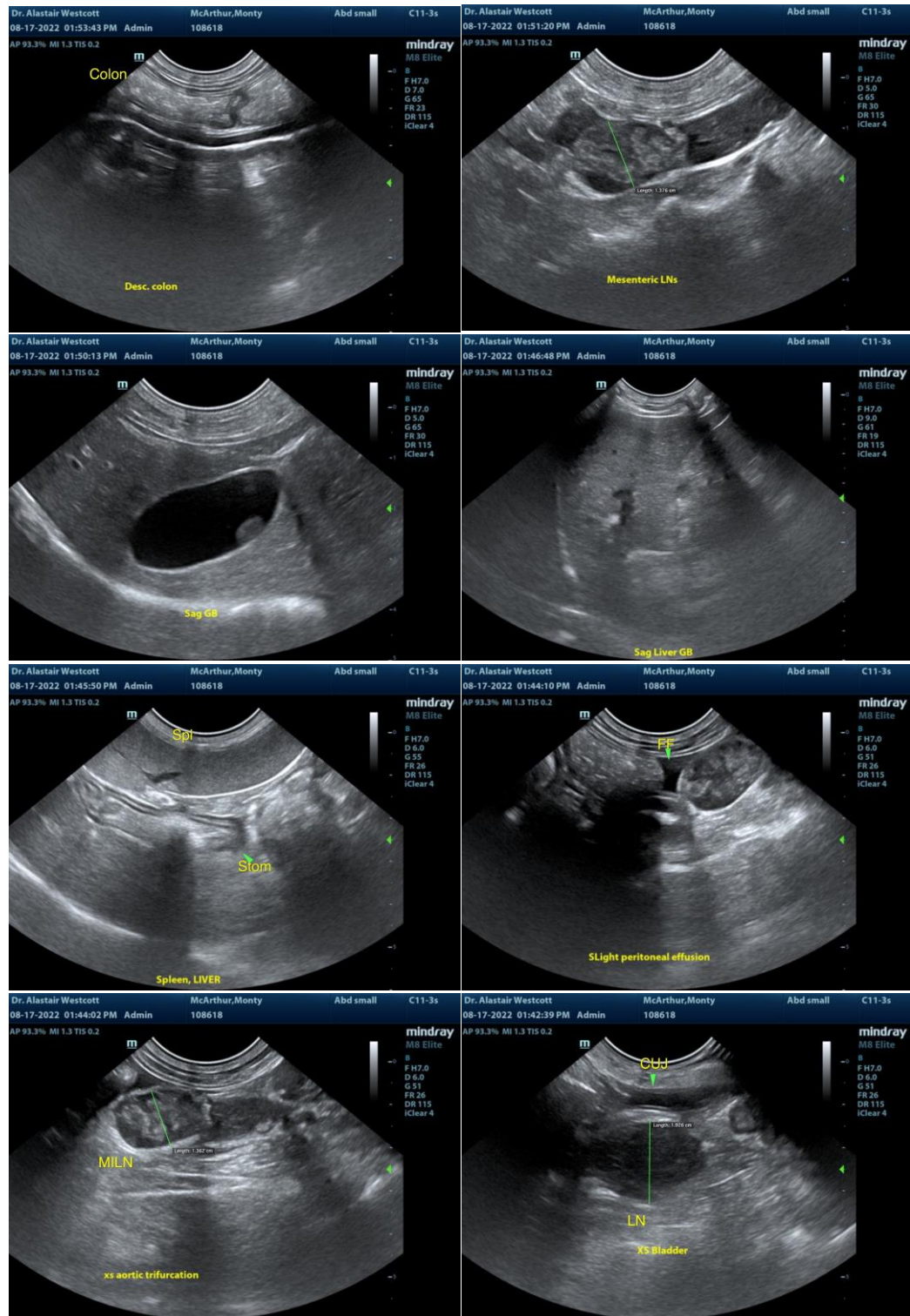
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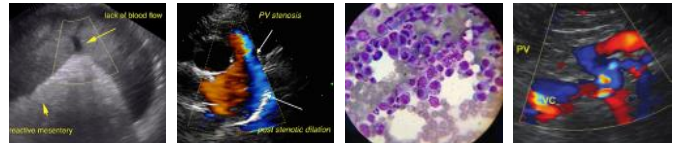
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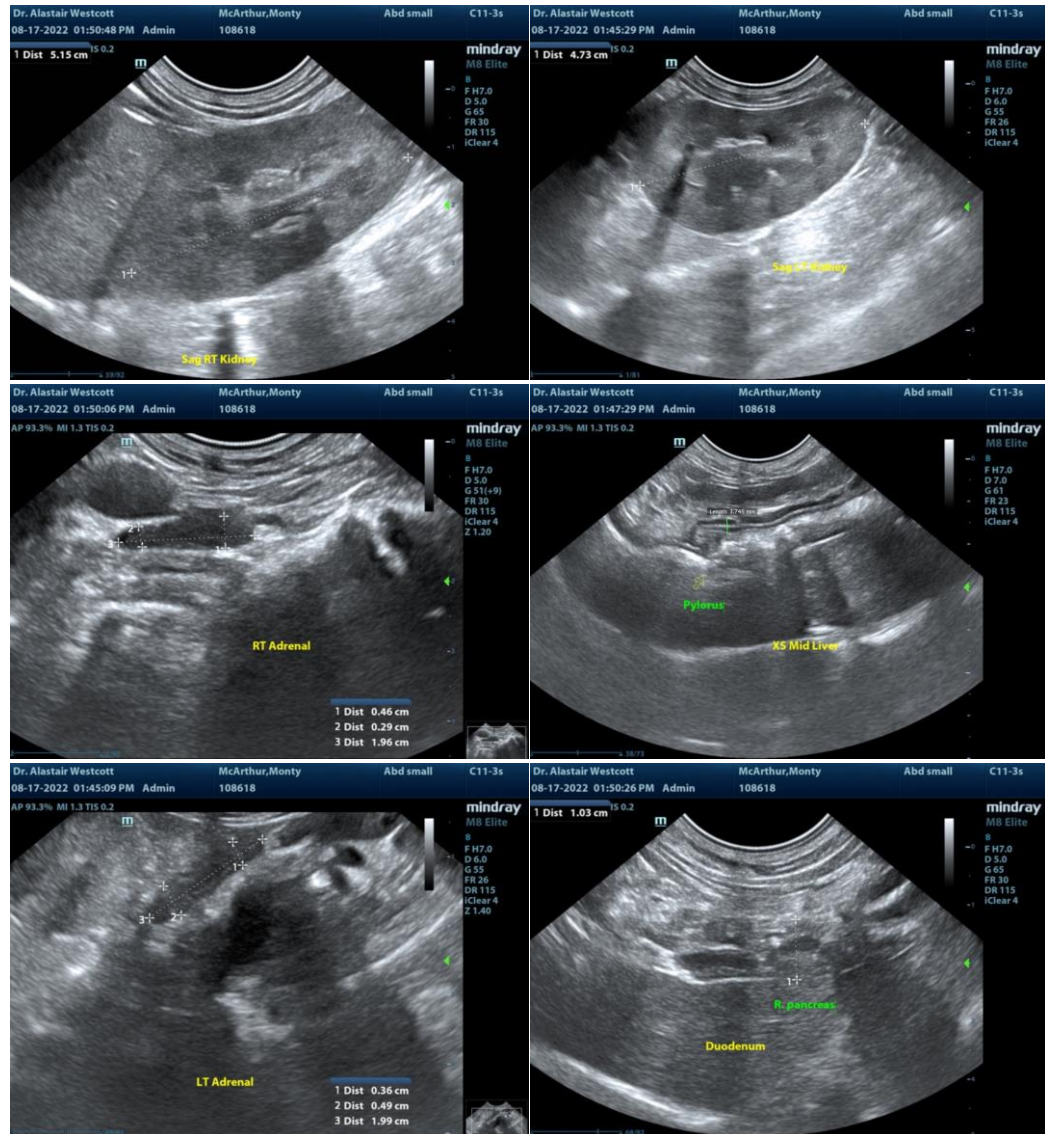
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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