



PATIENT PRESENTING CLINICAL SIGNS

Sampson Langley Abdominal mass. Current meds: Famotidine 40mg, Cyproheptadine, Metoclopramide 5mg, Ondansetron 8mg

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

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.

BREED

Australian Shepherd

SEX

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 1.4 cm diameter.

Neutered Male

Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.6 cm. The right kidney measured 6.5 cm.

AGE

9 Years

The area of the aortic trifurcation was free of pathology.

WEIGHT

42.2 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.34 cm at the caudal pole. The right adrenal gland measured 2.7 cm length x 0.69 cm at the caudal pole.

INTERPRETED BY

Spleen

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

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Liver

North Warren AH

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. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Corrado

Gastrointestinal

INVOICE

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.

25795

The small intestine exhibited segmental mural thickening with intact yet indistinct wall layering noted in the mid abdomen. A concurrent intestinal mass exhibiting moderate mural hypertrophy, loss of distinct wall layering, and with potential pseudolayering was present. This segment of intestine measured

DATE

9/24/21



PATIENT

Sampson Langley

approximately 7-8 cm in length with wall width measuring between 1.0-1.7 cm. Thickened intestine with intact yet indistinct wall layering measured up to 0.6 cm wall width. Normal appearing small intestine measured 0.45 cm wall width. Associated primarily peri intestinal echogenic omentum was noted along with moderate peritoneal free fluid.

SPECIES

Canine

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

Pancreas

BREED

Australian Shepherd

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

SEX

Neutered Male

Multiple enlarged, hypoechoic mid abdominal mesenteric root lymph nodes were present. The lymph nodes exhibited borderline abnormal width: length ratio (>0.5), yet swollen, hypoechoic appearance. Example measured approximately 2.5 cm in diameter. The enlarged lymph nodes were bordered by echogenic to reactive mesentery.

AGE

9 Years

PRIMARY FINDINGS

- Segmentally thickened intestine with concurrent intestinal mass, associated peritonitis
- Marked mesenteric root lymphadenopathy – consistent with neoplastic criteria.

WEIGHT

42.2 Pounds

SECONDARY FINDINGS

- Age related hepatosplenic changes – no evidence of masses.
- Mild chronic renal changes

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Primary intestinal neoplasia (adenocarcinoma, round cell neoplasia or other) with concurrent neoplastic to metastatic lymphadenopathy is considered probable. Potential for non-neoplastic intestinal etiology and severe lymphoid hyperplasia or lymphadenitis possible, yet considered less likely. Further clarification may include pending intestinal mass and lymphatic cytology with potential for oncology consult. Concern for potential omental seeding is warranted. The degree of intestinal involvement in this case was difficult to determine given the multiple areas of at least intestinal mural thickening. The effusion in this case appears to be inflammatory or potentially owing to lymphatic obstruction. Very guarded to potentially unfavorable long-term prognosis. 3-view chest radiographs may be considered.

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

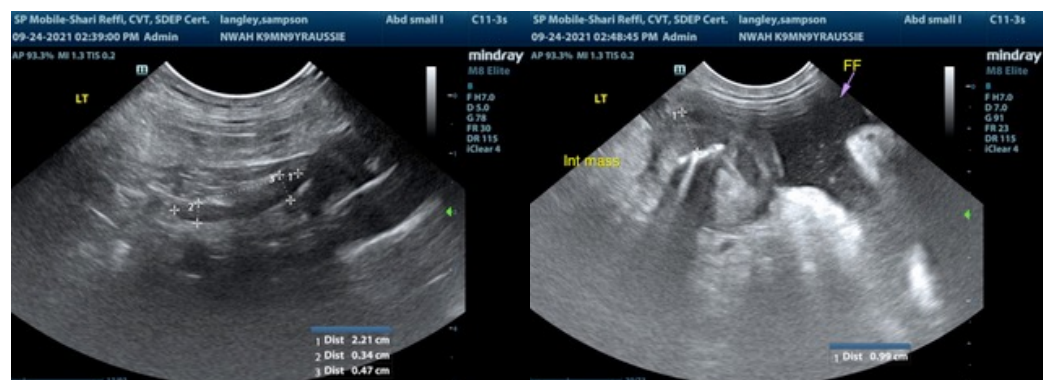
Dr. Corrado

INVOICE

25795

DATE

9/24/21





PATIENT

Sampson Langley

SPECIES

Canine

BREED

Australian Shepherd

SEX

Neutered Male

AGE

9 Years

WEIGHT

42.2 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

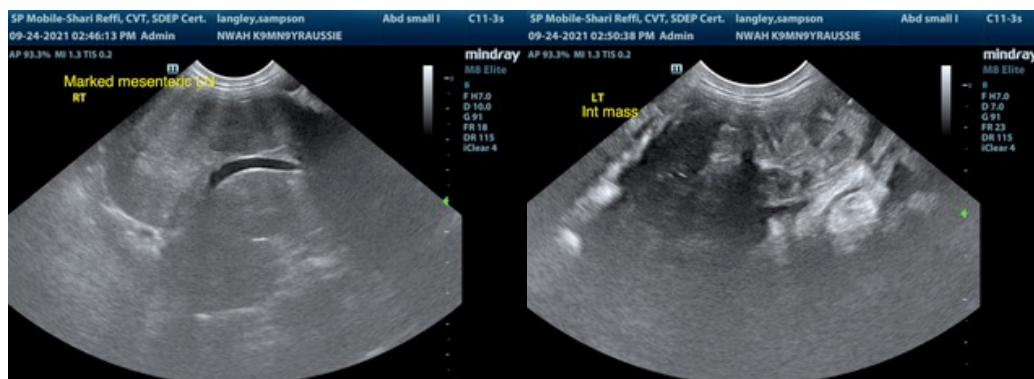
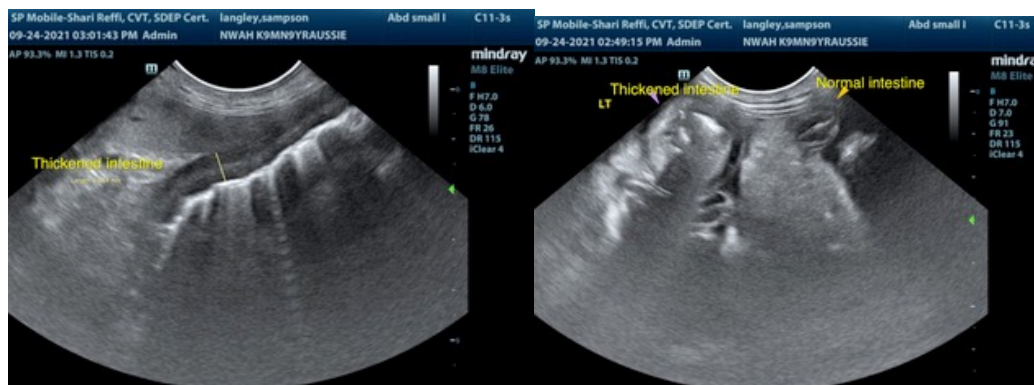
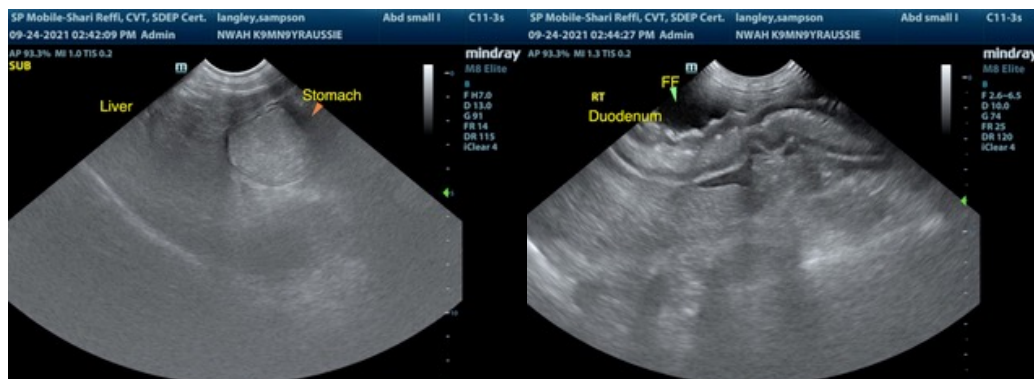
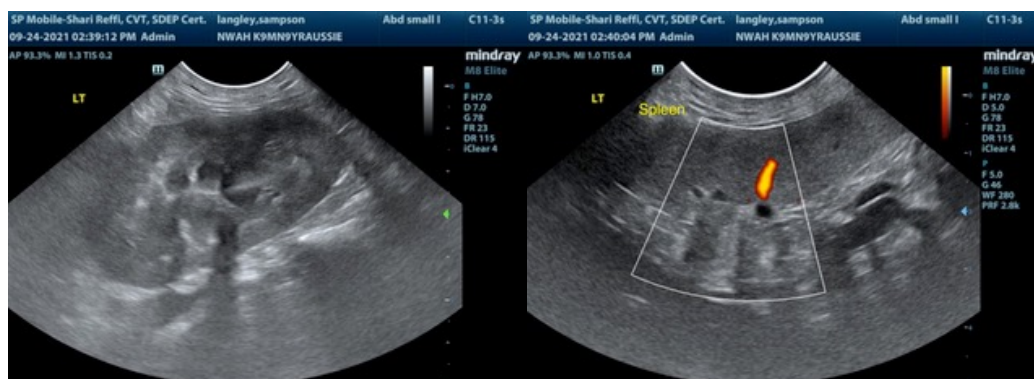
Dr. Corrado

INVOICE

25795

DATE

9/24/21





PATIENT

Sampson Langley

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

Australian Shepherd

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

SEX

Neutered Male

AGE

9 Years

WEIGHT

42.2 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

North Warren AH

REFERRING VET

Dr. Corrado

INVOICE

25795

DATE

9/24/21