

**PATIENT**

Watson Myers

SPECIES

Canine

BREED

74 lbs.

SEX

NM

AGE

11 years

WEIGHT

74 lbs

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)**IMAGING PERFORMED BY**

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Hartmann

INVOICE

14218

DATE

7/6/22

PRESENTING CLINICAL SIGNS

Weight Loss (6# in 2 months), Decreased appetite, Vomit, No Diarrhea Ate I/D willingly in the clinic. Abnormal PE/Chem/CBC/UA Results: CPL - Abnormal Chem 17/ electrolytes - normal (previously has elevated ALP and was treated with denamarin and this is now normal) CBC - Elevated Monocytes - unreadable Decreased Platelets - suspect this is artifact - platelet clusters noted. Rads - Suspected soft tissue mass in cranial abdomen

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

No overt pathology was noted in the area of the residual prostate.

Several medial Iliac lymph nodes and multicentric intraabdominal lymph nodes were present. The lymph nodes were variably sized and hypoechoic to swollen with abnormal width: length ratio (>0.5). Subtle evidence of perilymphatic reactive mesentery was noted. An example of a medial iliac lymph node measured 4.6 cm x 3.5 cm width. An example of a hepatic lymph node measured 2.9 cm x 2.4 cm. An example of a splenic to midabdominal mesenteric lymph node measured 1.5 cm x 1.0 cm.

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 7.4 cm in length. The right kidney measured 7.5 cm in length. No overt evidence of renal neoplastic criteria was noted in either kidney.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 3.0 cm length x 0.81 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 3.5 cm width x 0.69 cm width at the caudal pole.

Spleen

The spleen presented subjective mild enlargement with areas of minor medial capsule asymmetry, and nonhomogeneous parenchyma exhibiting mid splenic nonhomogeneous hypoechoic nodular lesion along with generalized hypoechoic micronodular parenchyma. The splenic lesion measured approximately 3.5 cm in diameter.

Liver/ Gallbladder

The liver exhibited generalized enlargement. The hepatic parenchyma revealed diffuse reduced echogenicity compared to the spleen and renal cortical parenchyma with a mild coarse echotexture. Increased portal vein prominence was evident. The capsule of the liver was normal in margination. Distinct masses or nodules were not evident. The hepatic and portal vasculature were normal in

**PATIENT**

Watson Myers

appearance. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

SPECIES

Canine

Gastrointestinal

The stomach exhibited intact yet mildly prominent wall layering. The ventral gastric body wall width measured 0.50 cm. The stomach was empty with mild luminal gas.

BREED

74 lbs.

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 small intestinal wall width measured 0.30 cm.

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

SEX

NM

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 were evident.

AGE

11 years

Free Abdomen

No overt evidence of peritoneal free fluid was present.

WEIGHT

74 lbs

ULTRASONOGRAPHIC FINDINGS

- Multicentric hypoechoic to swollen intraabdominal and medial iliac lymphadenopathy
- Hepatomegaly exhibiting parenchyma hypoechogenicity
- Splenomegaly exhibiting generalized micronodular parenchyma with mid spleen mildly expansive nodular lesion
- Intact yet mildly prominent gastric walls, overtly normal small bowel

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**IMAGING PERFORMED BY**

Sarah Pender, CVT

Although sampling is required for further assessment, the multicentric hypoechoic to swollen intraabdominal and medial iliac lymphadenopathy along with concurrent hepatosplenomegaly exhibiting decreased hepatic parenchyma echogenicity and nodular splenic changes is consistent with multicentric round cell neoplasia with multicentric lymphoma considered top differential diagnosis. potential for early gastric involvement could be possible.

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Hartmann

Assuming normal clotting status and using a 25-gauge needle, ultrasound-guided FNA of an enlarged intraabdominal or medial iliac lymph node along with screening hepatosplenic FNA for further assessment, staging, and potential for oncology consult is suggested. Three view chest radiographs are recommended if not done. A very guarded to unfavorable prognosis is likely indicated.

INVOICE

14218

DATE

7/6/22



PATIENT

Watson Myers

SPECIES

Canine

BREED

74 lbs.

SEX

NM

AGE

11 years

WEIGHT

74 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

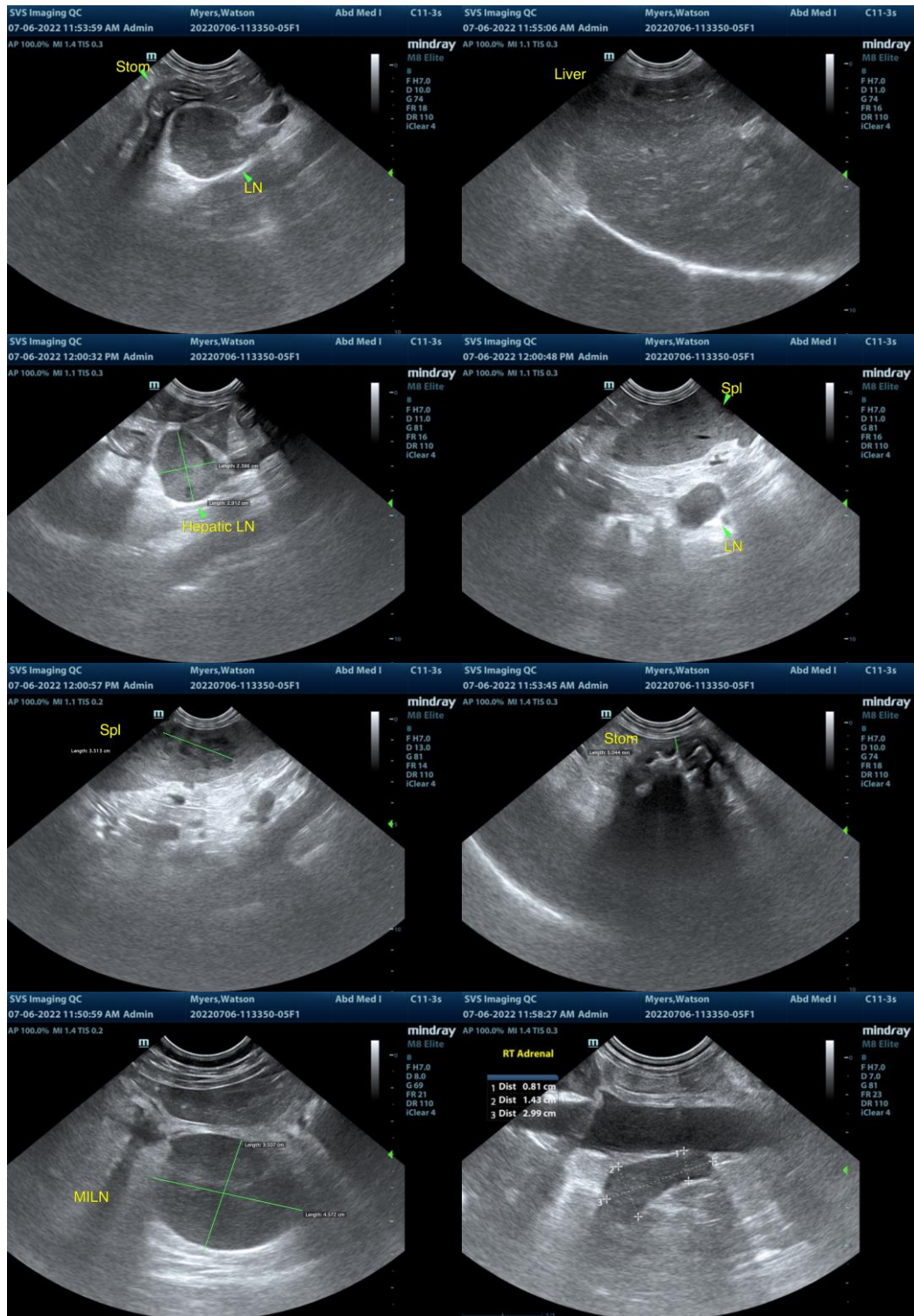
Dr. Hartmann

INVOICE

14218

DATE

7/6/22





PATIENT

Watson Myers

SPECIES

Canine

BREED

74 lbs.

SEX

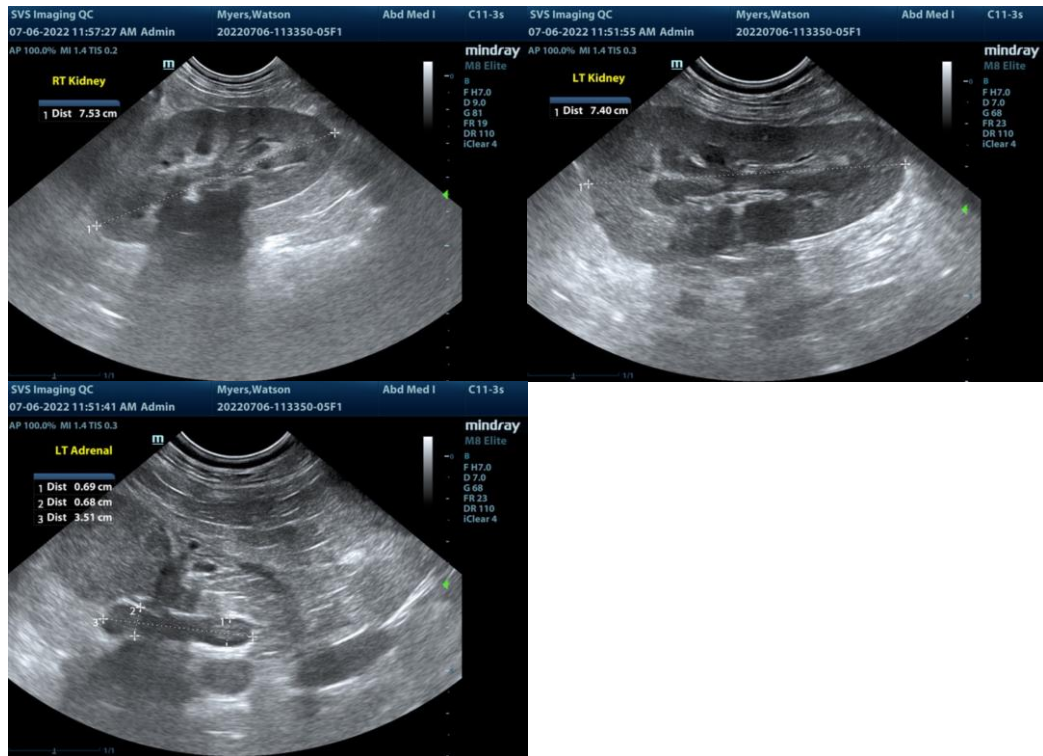
NM

AGE

11 years

WEIGHT

74 lbs



INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Hartmann

INVOICE

14218

DATE

7/6/22

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