

**PATIENT**

Deuce Billmeyer

SPECIES

Canine

BREED

Lab

SEX

NM

AGE

9 years

WEIGHT

70 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. Katie Merkes

INVOICE

14118

DATE

6/16/22

PRESENTING CLINICAL SIGNS

Chronic skin lesion on right hip treated by previous vet with 9+ months of antibiotics, owner was told was a lick dermatitis. Started coming to me about 6 months ago, treated with prednisone and spot healed up, but then flared off of the prednisone. Biopsied about 10 days ago and dx skin lymphoma or MCT. Since then has developed hind leg pitting edema. Decreased appetite and weight loss.

Scheduled to remove the mass monday, but want to rule out something more extensive.

Abnormal PE/Chem/CBC/UA Results: Liver values were all elevated but then back to WNL after discontinuing prednisone.

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 overtly normal structure 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.

The area of the residual prostate was free of overt pathology.

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 6.5 cm in length. The right kidney measured 7.0 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.6 cm length x 0.80 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 2.1 cm length x 0.65 cm width at the caudal pole.

Spleen

The spleen was mildly enlarged with nonhomogeneous to mildly hypoechoic splenic parenchyma. Intermittent subtle yet mildly expansive hypoechoic splenic nodules were present with an example measuring 1.0 cm in diameter.

Liver/ Gallbladder

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic content containing mild gallbladder debris. The cystic and common bile ducts were normal.

**PATIENT**

Deuce Billmeyer

Gastrointestinal

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.

SPECIES

Canine

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.

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

BREED

Lab

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.

SEX

NM

Free Abdomen**AGE**

9 years

A large nonhomogeneously hypoechoic asymmetrical to expansive mass to potential multiple masses were present in the mid to caudal abdomen and the region of the iliac trifurcation extending caudally into the area of the dorsal urinary bladder and pelvic Inlet. An example of a mass measured 8.6 cm. Concurrent hypoechoic to swollen regional mid to caudal abdominal lymphadenopathy was present. An example of a lymph node measured 4.6 cm x 2.0 cm. Hyperechoic mesentery with mild peritoneal to possible retroperitoneal free fluid was present primarily in the mid to caudal abdomen In the area of the mid to caudal abdominal mass to masses and lymphadenopathy.

WEIGHT

70 lbs.

ULTRASONOGRAPHIC FINDINGS

- Solitary large Irregular to expansive mid to caudal abdominal mass to potential multiple masses with concurrent regional hypoechoic to swollen lymphadenopathy and regional peritonitis
- Infiltrative spleen
- Nonspecific hepatomegaly

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the previous diagnosis of cutaneous lymphoma or mast cell tumor, the abdominal sonographic abnormalities consistent with multicentric neoplastic criteria suspected to primarily be involving the mid to caudal abdominal medial iliac, sublumbar, hypogastric, and potential sacral lymph nodes with concurrent splenic infiltration. The possibility of hepatic and/or early gastrointestinal involvement cannot be definitively excluded.

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Katie Merkes

Assuming normal clotting status, ultrasound-guided FNA of the mid to caudal abdominal mass/masses, as well as the spleen using a 25-gauge needle for cytology, further clarification, potential oncology consult, and immediate chemotherapeutic Intervention could be considered. Three view chest radiographs are recommended if not done. However, an unfavorable prognosis is likely indicated.

INVOICE

14118

DATE

6/16/22



PATIENT

Deuce Billmeyer

SPECIES

Canine

BREED

Lab

SEX

NM

AGE

9 years

WEIGHT

70 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

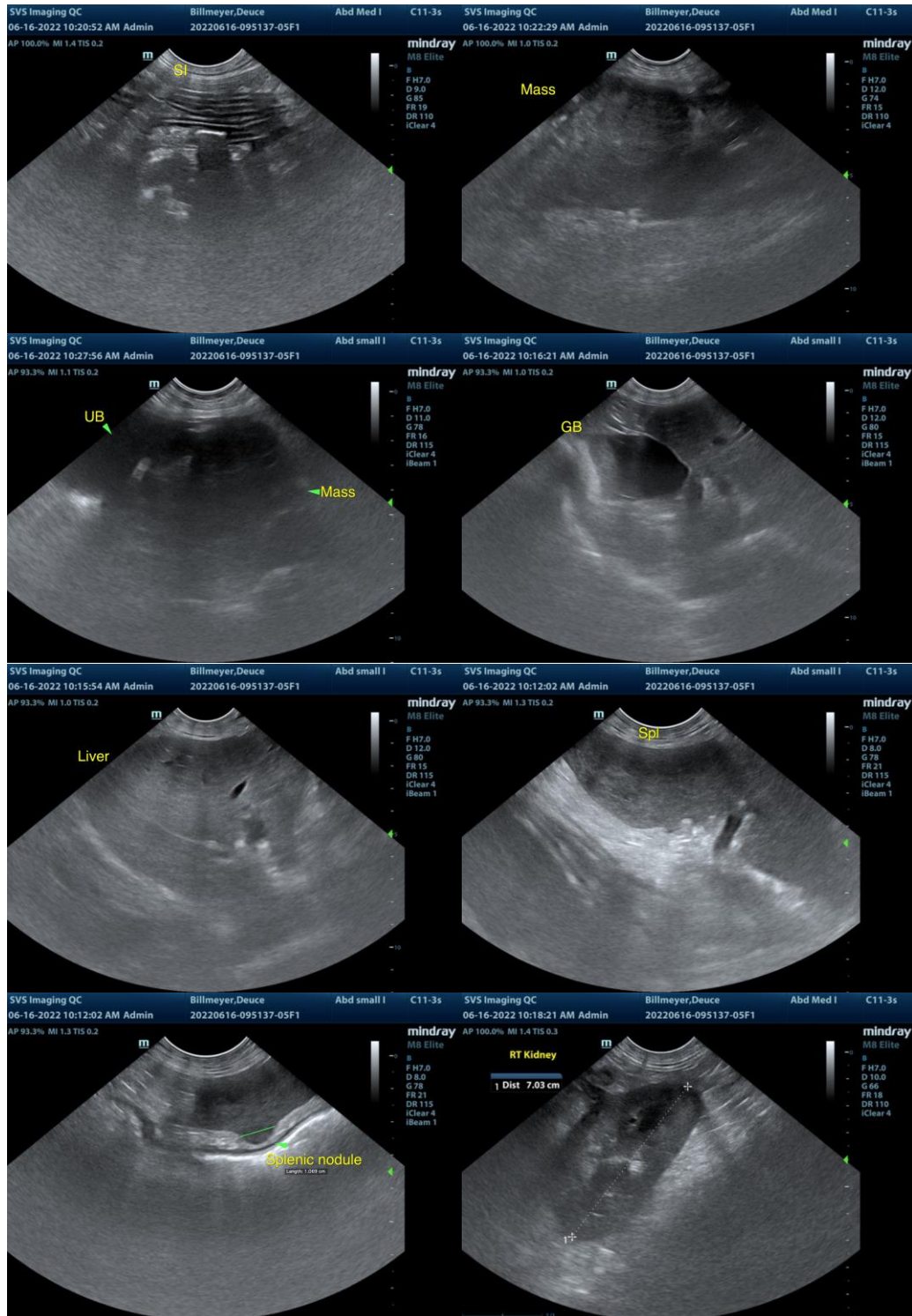
Dr. Katie Merkes

INVOICE

14118

DATE

6/16/22





PATIENT

Deuce Billmeyer

SPECIES

Canine

BREED

Lab

SEX

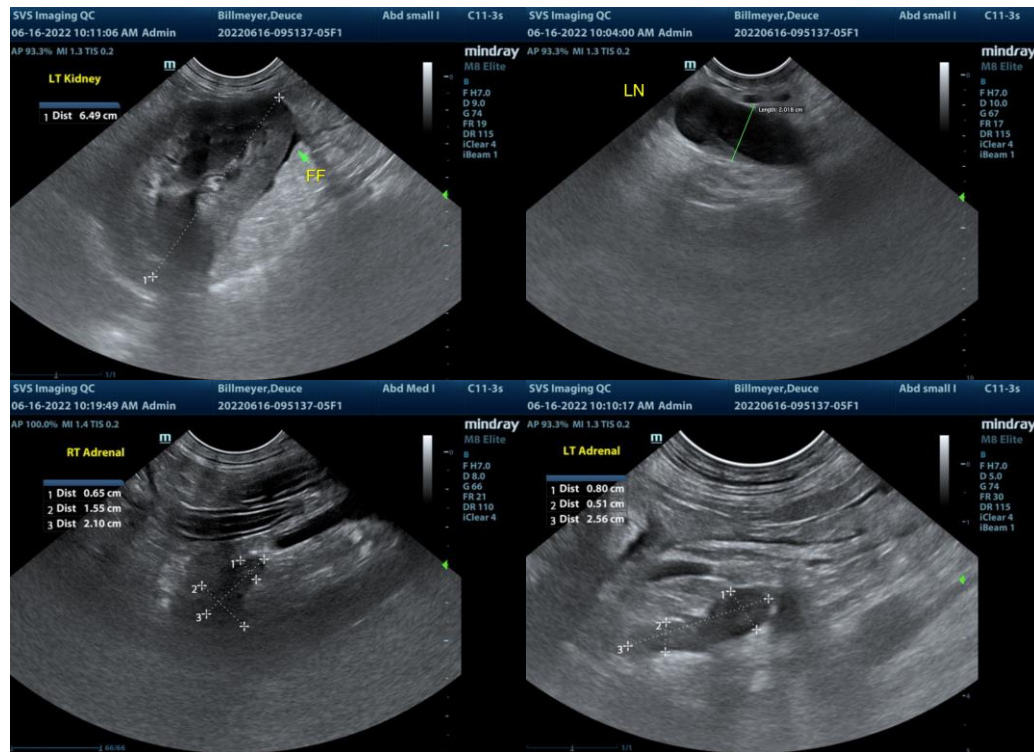
NM

AGE

9 years

WEIGHT

70 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. Katie Merkes

INVOICE

14118

DATE

6/16/22

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