



**PATIENT**

Sparky Meineke

**SPECIES**

Canine

**BREED**

Pit Bull Mix

**SEX**

MN

**AGE**

12

**WEIGHT**

48

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Dr. Christensen

**HOSPITAL NAME**

Tranquility  
Veterinary Clinic

**REFERRING VET**

Dr. Christensen

**INVOICE**

17141

**DATE**

6/22/23

**PRESENTING CLINICAL SIGNS**

Seems weak to owner. Worried the dog has cancer and requested full BW and scan  
Abnormal PE/Chem/CBC/UA Results: Pending BW, Normal PE.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, and cystourethral junction 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.

No evidence of pathology in the area of the aortic trifurcation.

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 mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral pinpoint medullary mineral was noted. The left kidney measured 5.3 cm in length. The right kidney measured 5.0 cm in length.

**Adrenal Glands**

The bilateral adrenal glands were overtly normal in size, position and shape. The left adrenal gland measured 0.56 cm width at the caudal pole and 0.48 cm width at the cranial pole. The right adrenal gland measured 0.76 cm width at the caudal pole.

**Spleen**

The spleen exhibited possible mild enlargement with generalized parenchyma heterogeneity. A solitary, nondisruptive, well-demarcated hyperechoic splenic nodule measuring 0.64 cm was present in the subjective mid-spleen. A mildly expansive, nonhomogeneous, mildly cystic mass was present in the caudal spleen measuring ~4.4 cm in diameter. The small mass appeared to mildly distort the adjacent splenic capsule without evidence of parenchymal escape.

**Liver/ Gallbladder**

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 walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild ingesta sonographically consistent with food without signs of obstruction or foreign material.

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.



**PATIENT**

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

Sparky Meineke

**Pancreas**

**SPECIES**

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.

Canine

**BREED**

**Free Abdomen**

Pit Bull Mix

Generalized normal omental echogenicity was noted with no evidence of peritoneal effusion or visualized lymphadenopathy.

**SEX**

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

MN

**AGE**

**ULTRASONOGRAPHIC FINDINGS**

12

- Small nonhomogeneous caudal splenic mass with concurrent benign splenic myelolipoma
- Normal liver / gallbladder
- Mild to moderate chronic renal changes

**WEIGHT**

48

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

The small caudal splenic mass was nonspecific with considerations including hyperplasia, hematopoiesis, small hematoma, focal splenitis, or neoplasia, i.e., hemangioma, hemangioma sarcoma, round cell neoplasia, or other. Sonographically, the small splenic mass was not obviously consistent with definitive neoplastic criteria, although this possibility cannot be excluded. Otherwise, largely geriatric abdomen without additional visceral or overt cardiac pathology was noted.

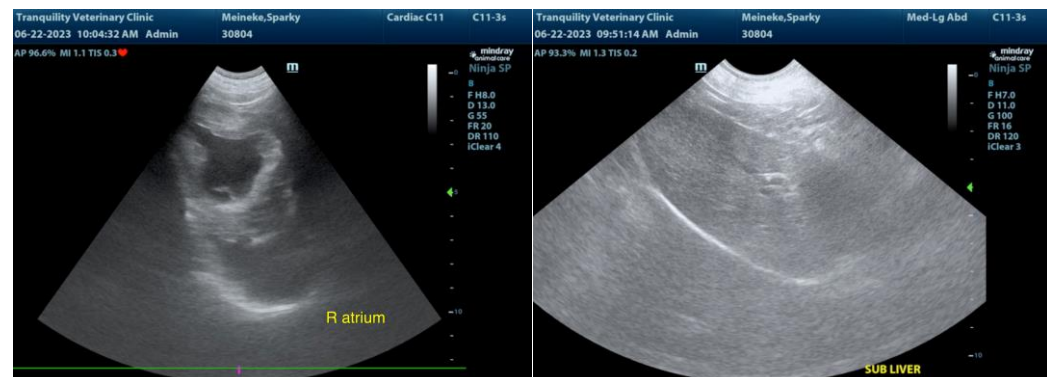
R. McKenzie Daniel, DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Sonographic monitoring of the small splenic mass for evidence of progression with initial recheck in 4 weeks would be reasonable. Alternatively, splenectomy with splenic histopathology, assuming no evidence of pathology on three view chest radiographs, would be a more aggressive approach.

Dr. Christensen

**HOSPITAL NAME**



Tranquility Veterinary Clinic

**REFERRING VET**

Dr. Christensen

**INVOICE**

17141

**DATE**

6/22/23



**PATIENT**

Sparky Meineke

**SPECIES**

Canine

**BREED**

Pit Bull Mix

**SEX**

MN

**AGE**

12

**WEIGHT**

48

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr. Christensen

**HOSPITAL NAME**

Tranquility Veterinary Clinic

**REFERRING VET**

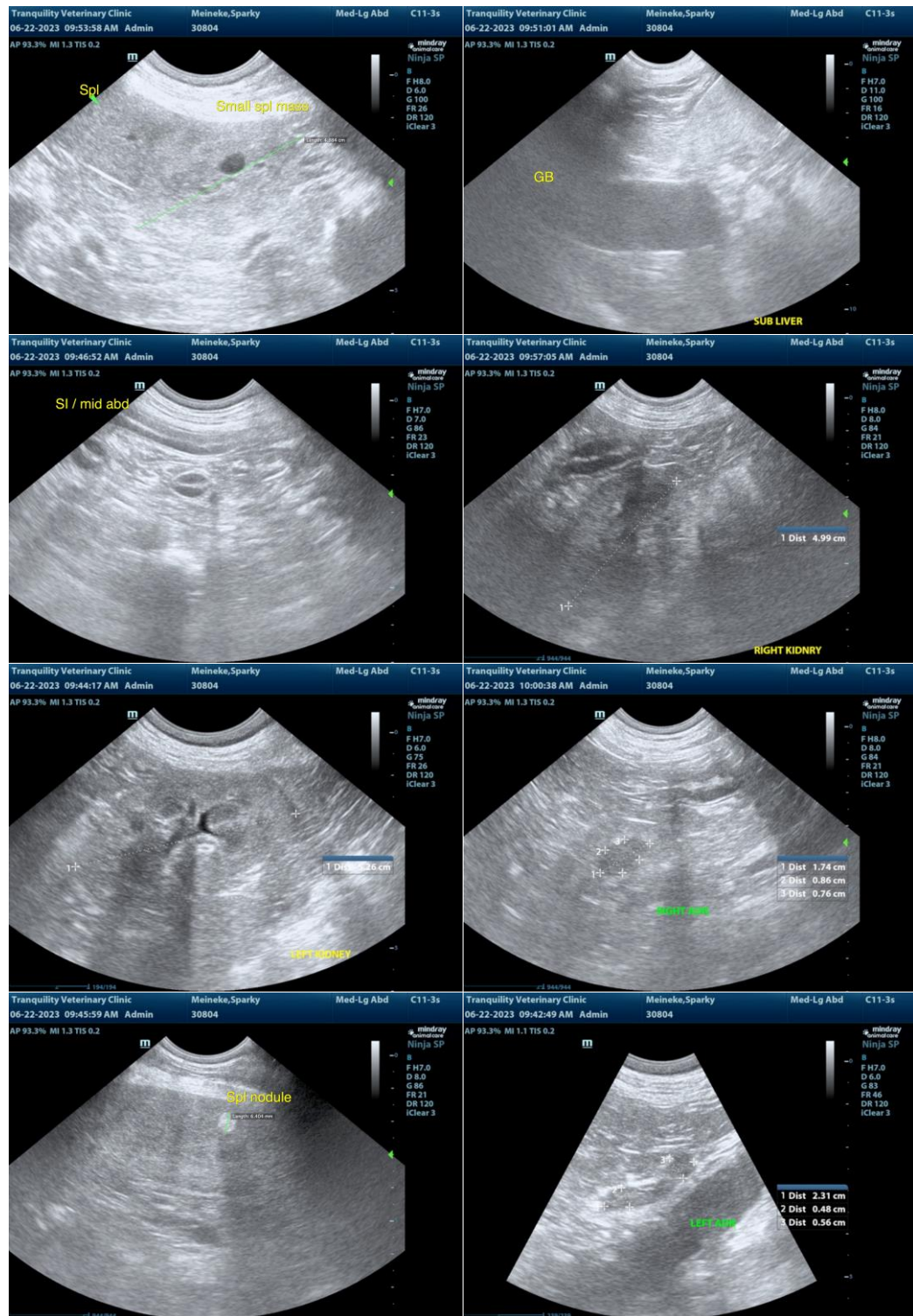
Dr. Christensen

**INVOICE**

17141

**DATE**

6/22/23



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.



**PATIENT**

Sparky Meineke

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.

**SPECIES**

Canine

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**

[info@sonopath.com](mailto:info@sonopath.com)

**BREED**

Pit Bull Mix

**SEX**

MN

**AGE**

12

**WEIGHT**

48

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Dr. Christensen

**HOSPITAL NAME**

Tranquility  
Veterinary Clinic

**REFERRING VET**

Dr. Christensen

**INVOICE**

17141

**DATE**

6/22/23