



**PATIENT**

Storm Saad

**SPECIES**

Canine

**BREED**

American Bull Terrier

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

60.8 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Mitten Animal Hospital

**INVOICE**

18867

**DATE**

11/28/22

**PRESENTING CLINICAL SIGNS**

History: History of a poorly defined 5mm slightly raised freely movable dermal mass on right lateral thorax removed via surgical excision on 11/04/2022 with original biopsy results: Haired skin: Mast cell tumor, grade II/low grade (Patnaik/Kiupel), incompletely excised Mitotic count: 2 per ten hpf Margins: 2 mm cranial, 5 mm caudal, 4 mm left peripheral, neoplastic cells are present at right peripheral histologic margin and deep margins Vascular invasion: Not observed Repeat surgery was performed on 11/15/2022 and revealed:: Subcutis (right lateral thorax): Mast cell tumor, grade II, low grade Mitotic count: 0-1 per 10 400X fields Margins: Removal appears complete. The nearest lateral margin is 5.4 mm. The deep margin is 1.7 mm. Vascular invasion: None seen \*We are screening for intra-abdominal metastasis.

Abnormal PE/Chem/CBC/UA Results: Three view thoracic radiographs on 11/15/2022 summarized as unremarkable thorax by radiologist. CBC / Chem10 / SDMA from 09/19/2022 was all WNL and HWT 4Dx all negative.

**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 were noted.

No evidence of medial iliac or sublumbar lymphadenopathy/masses.

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 6.4 cm in length. The right kidney measured 6.9 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 0.49 cm width at the caudal pole and 0.46 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 0.74 cm width at the caudal pole and 0.58 cm width at the cranial pole.

**Spleen**

The spleen was overall normal in size with primarily maintained symmetrical capsule contour. Subtle generalized splenic parenchyma heterogeneity with focal to intermittent, discrete to indistinctly visualized nondisruptive hypoechoic intraparenchymal nodules. An example of discrete splenic nodule measured 0.5 cm in diameter. Splenic vascularity was normal.

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



**PATIENT**

Storm Saad

***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**

American Bull Terrier

***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 was evident.

**SEX**

Spayed Female

***Free Abdomen***

No omental masses, lymphadenopathy or peritoneal effusion was present.

**AGE**

7 Years

**ULTRASONOGRAPHIC FINDINGS**

- Normal splenic size, exhibiting mild parenchyma heterogeneity, intermittent discrete hypoechoic splenic nodules- suspect benign, likely incidental hyperplasia, hematopoiesis, splenitis or similar.
- Otherwise, sonographically normal abdomen

**WEIGHT**

60.8 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall, no overt evidence of intraabdominal pathology, including no evidence of primary or metastatic neoplastic criteria. Although the splenic changes are suspected to be benign, screening splenic FNA cytology using a 25-gauge needle is warranted given the patient history, primarily to ensure only benign changes are present. Sonographic reassessment of the spleen with initial recheck in 3-4 weeks would be a more conservative approach. Three view chest radiographs are recommended if not done.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Mitten Animal Hospital

**INVOICE**

18867

**DATE**

11/28/22



**PATIENT**

Storm Saad

**SPECIES**

Canine

**BREED**

American Bull Terrier

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

60.8 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

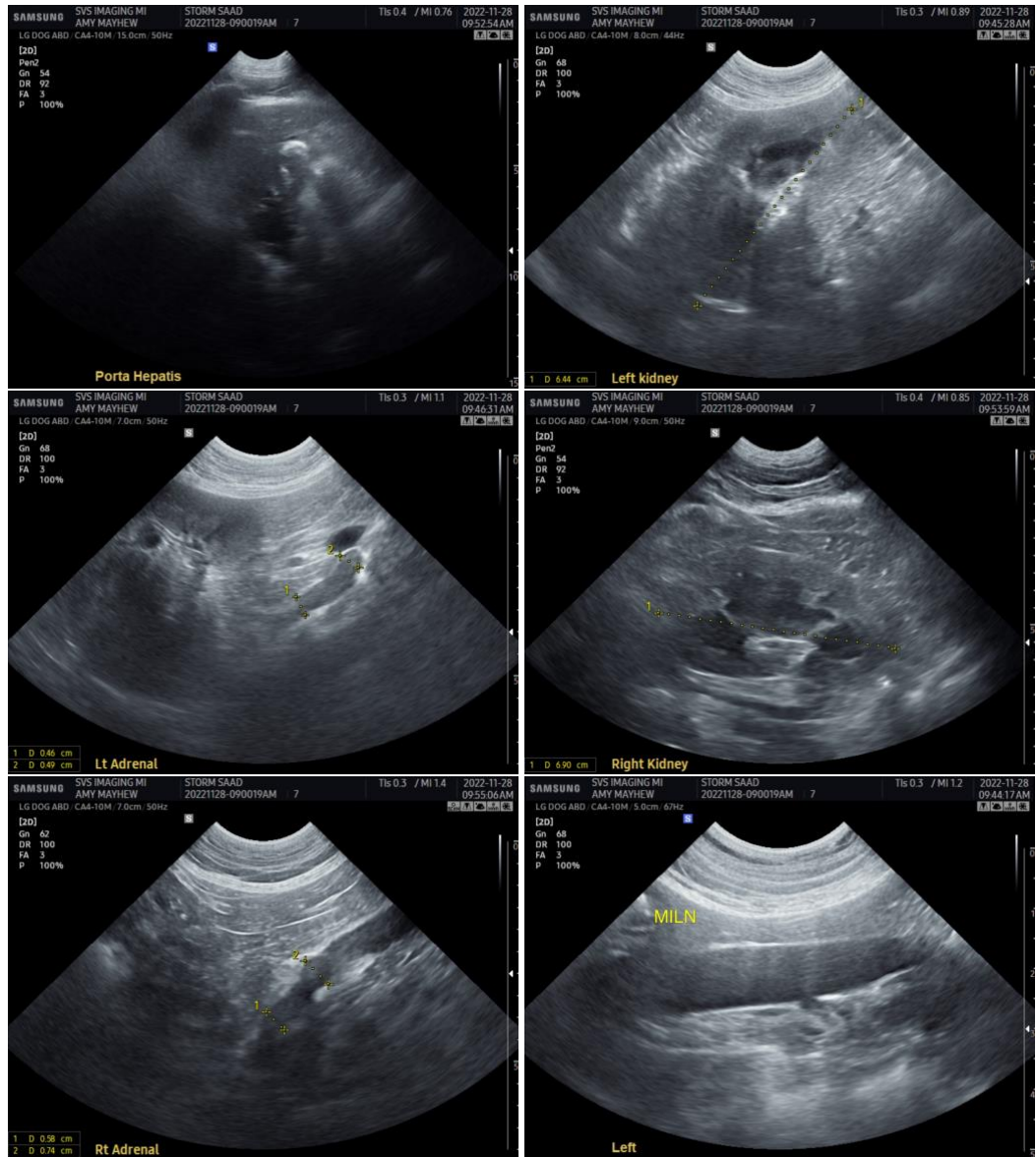
Mitten Animal Hospital

**INVOICE**

18867

**DATE**

11/28/22





**PATIENT**

Storm Saad

**SPECIES**

Canine

**BREED**

American Bull Terrier

**SEX**

Spayed Female

**AGE**

7 Years

**WEIGHT**

60.8 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

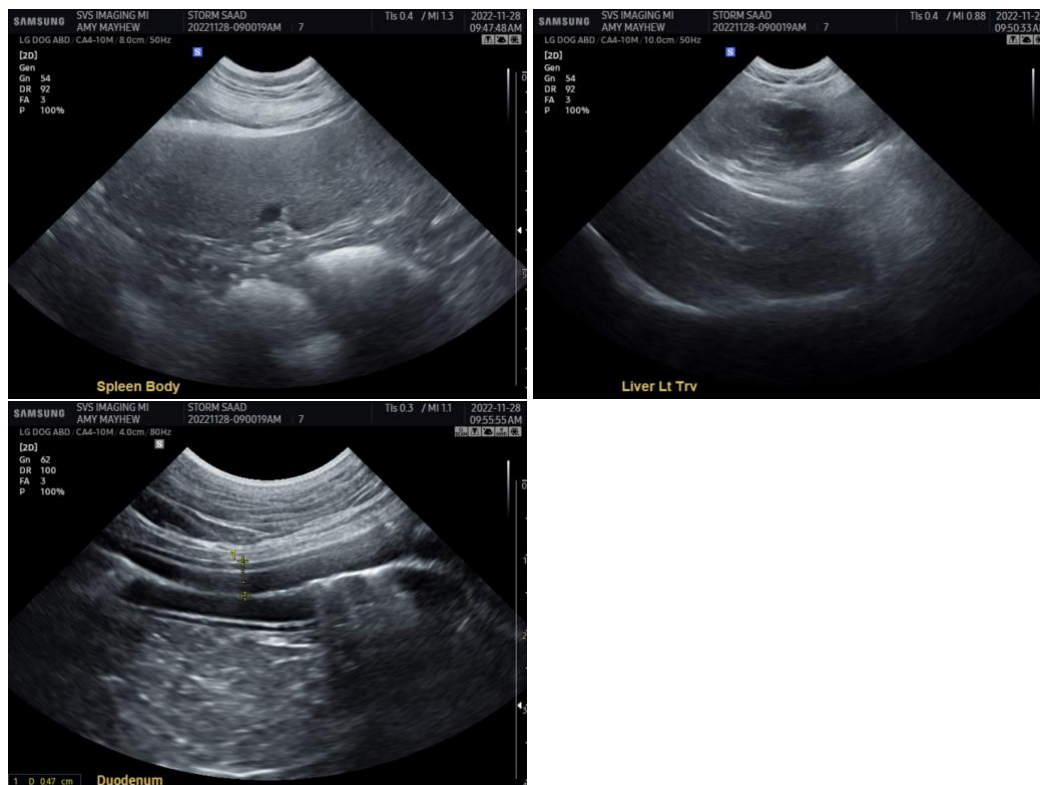
Mitten Animal Hospital

**INVOICE**

18867

**DATE**

11/28/22



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.

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