



**PATIENT**

Katy Fischer

**SPECIES**

Canine

**BREED**

Beagle

**SEX**

Spayed Female

**AGE**

12 Years

**WEIGHT**

34.8 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kim Liedberg

**HOSPITAL NAME**

SVS Imaging WI

**REFERRING VET**

Dr Swanson,  
Waukegan Pet Clinic

**INVOICE**

16402

**DATE**

6/29/22

**PRESENTING CLINICAL SIGNS**

History: Suspect large mass seen on abdominal radiographs. Chest rads look normal. Dog is asymptomatic.  
Abnormal PE/Chem/CBC/UA Results: Retic 450,000

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder presented uniformly thickened ventral apical to dorsal apical urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. Potential to minor indistinct polypoid component along the luminal surface is possible. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. The apical urinary bladder wall thickness measured 0.55 cm width. Mineralization or echogenic foci within the thickened areas of the urinary bladder wall was not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal tone. Anechoic urine was present in the lumen with mild to moderate particulate sediment. The ureteral papillae were normal. The ureters were not visible which is normal.

Normal size and margination was 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.7 cm in length. The right kidney measured 6.2 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 0.92 cm width at the caudal pole and 0.48 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 0.83 cm width at the caudal pole and 0.61 cm width at the cranial pole.

**Spleen**

A large expansive nonhomogeneous hyperechoic splenic mass, measuring approximately 11 cm in diameter was present, subjectively originating from the mid spleen and likely extending into the mid to cranial abdomen. A separate mildly expansive nonhomogeneous hypoechoic mass was present in the subjective mid spleen, measuring 3.1 cm in diameter. The omentum surrounding the splenic mass appeared to exhibit normal echogenicity.

**Liver**

The liver exhibited potential for mild enlargement. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective minor parenchymal remodeling. No masses or nodules were noted. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non distended in size with moderate nondependent yet mobile gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**



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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

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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.

## Pancreas

## BREED

Beagle

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 free fluid was present.

## AGE

12 Years

## ULTRASONOGRAPHIC FINDINGS

- Large mixed echogenic splenic mass with concurrent separate nonhomogeneous hypoechoic splenic mass
- Hepatic parenchymal remodeling- subjectively benign
- Moderate gallbladder debris (non-mucocele)
- Mild chronic renal changes
- Mild apical cystitis pattern with urinary bladder sediment

## WEIGHT

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.

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The splenic masses are nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other). No overt evidence of splenic mass rupture or overt intraabdominal metastasis. If no evidence of thoracic pathology on three view chest radiographs with normal cardiopulmonary status, laparotomy with expectations toward splenectomy, gross inspection of the perisplenic omentum and liver could be considered.

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## REFERRING VET

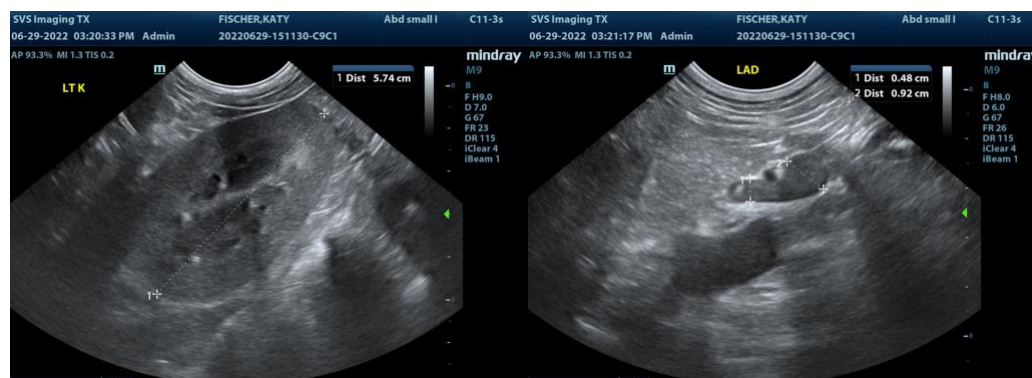
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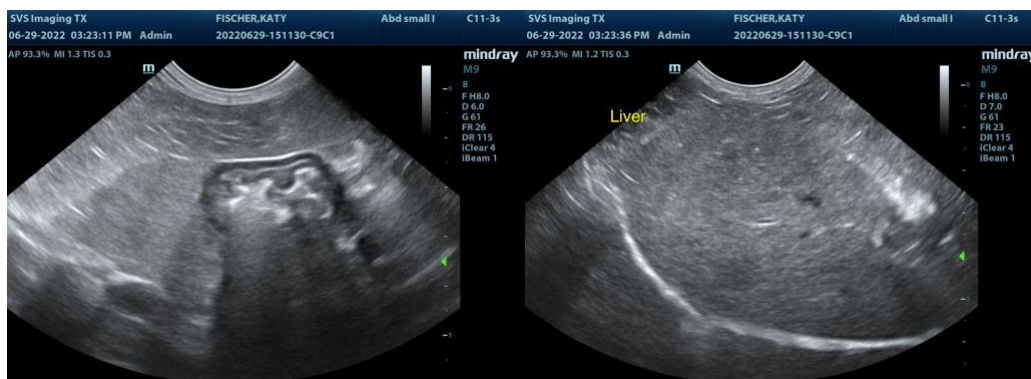
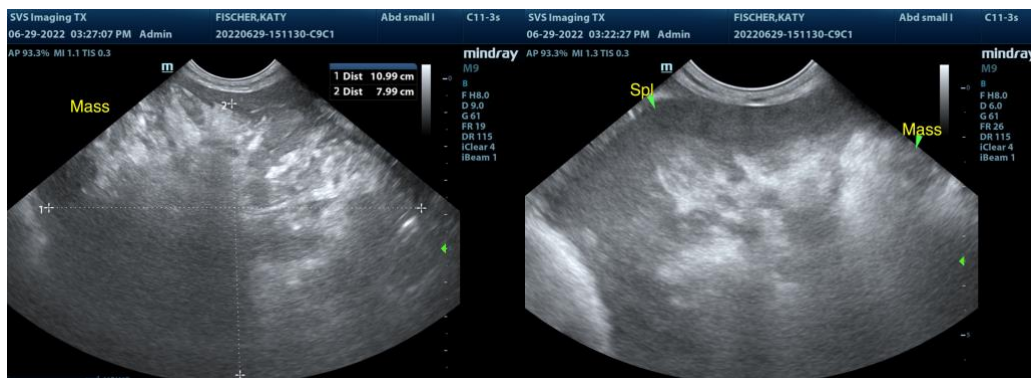
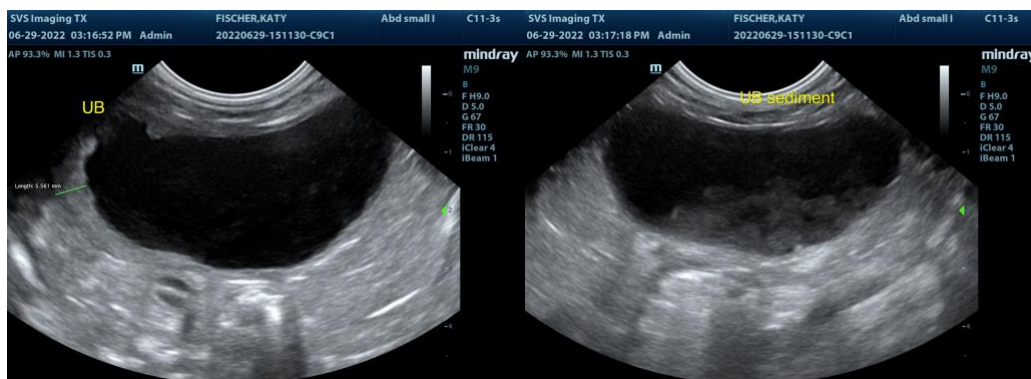
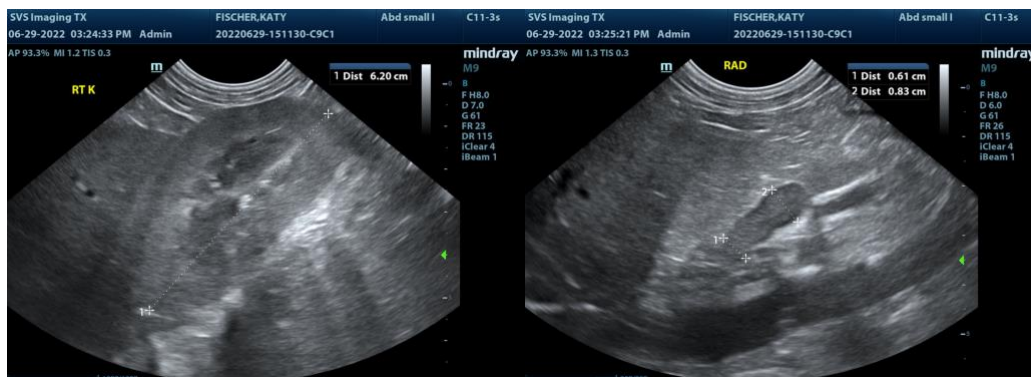
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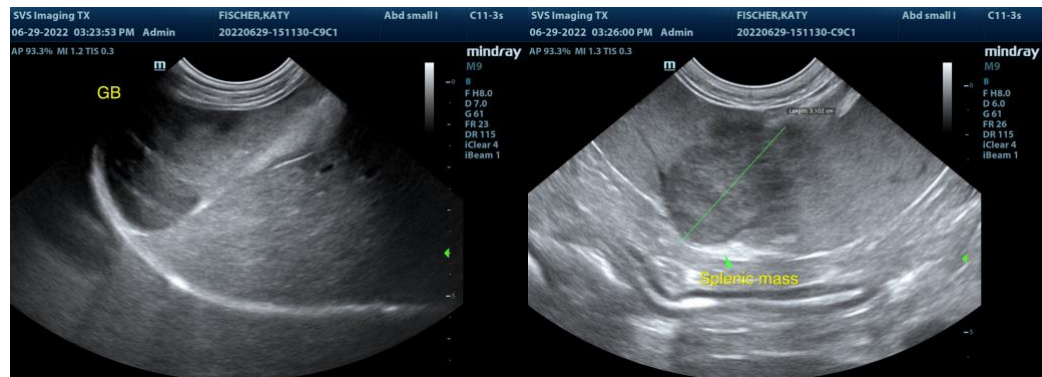
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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