

**PATIENT**

PJ Brannon

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

12 years

WEIGHT

49 lbs.

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

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VETVet Select Animal
Hospital of Dearborn**INVOICE**

15359

DATE

11/3/22

PRESENTING CLINICAL SIGNS

Presented for intermittent diarrhea and mild weight loss. No vomiting and appetite is normal.

Abnormal PE/Chem/CBC/UA Results: Noted a firm mass on abdominal palpation in the mid abdomen. Please see attached rads and BW

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.

The area of the aortic trifurcation was free of pathology.

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.8 cm in length. The right kidney measured 6.2 cm in length.

Adrenal Glands

The left adrenal gland was enlarged in size with areas of mild capsule asymmetry. Suspect focal parenchymal expansion in the area of the left phrenicoabdominal vein. Mildly nonhomogeneous parenchyma without evidence of parenchymal mineralization was noted. The left adrenal gland measured 3.0 cm length x 1.8 cm width. The right adrenal gland was indistinctly visualized owing to increased perirenal omental artifact subjectively measuring 1.2 cm width at the caudal pole.

Spleen

A large mass involving the spleen with secondary asymmetrical capsule expansion and disruption was present and measured approximately 12 cm diameter. The parenchyma of the mass was heterogeneous to mixed echogenic with areas of cavitation. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Regional perisplenic hyperechoic mesentery was present. Potential for splenic adhesions is possible.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. A solitary nonhomogeneous cystic intraparenchymal mass was noted in the subjective left liver measuring 5.2 cm in diameter. The gallbladder was non-distended in size containing mild, nondependent, echogenic, nonorganized gallbladder debris. The cystic and common bile ducts were normal.

**PATIENT**

PJ Brannon

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

12 years

WEIGHT

49 lbs.

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

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VETVet Select Animal
Hospital of Dearborn**INVOICE**

15359

DATE

11/3/22

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate ingesta exhibiting progressive distal acoustic shadowing.

The small intestine presented intact wall layering and maintained a 1:3 muscularis/mucosa ratio with segmental to generalized duodenojejunal hyperechoic mucosal speckling. 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

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.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

Rapid view of the heart revealed suspect scant pericardial effusion, although a definitive cardiac tumor was not visualized.

ULTRASONOGRAPHIC FINDINGS***Primary Findings***

- Cavitated splenic mass
- Highly suspicious similar appearing cystic liver mass
- Mild gallbladder debris (non-mucocele)
- Bilateral adrenomegaly with concern for possible early left phrenicoabdominal vein invasion
- Enteritis pattern
- Suspect scant pericardial effusion

Secondary Findings

- Bilateral mild chronic renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although histopathology is required for definitive diagnosis, the splenic mass is most suggestive of neoplasia such as sarcoma or other. Benign pathologies are possible, yet considered less likely. High concern for hepatic metastasis, given similar appearing cystic / cavitated hepatic mass.

Both adrenal glands were abnormal with high potential for neoplastic or metastatic criteria associated with the left adrenal gland. Screening blood pressure is advised to assess for evidence of hypertension, which may allude to pheochromocytoma.



PATIENT

PJ Brannon

Given the high probability of malignant primary splenic neoplasia, hepatic metastasis, adrenal pathology with high concern for left adrenal neoplastic criteria, as well as suspect scant pericardial effusion, and unfavorable prognosis unfortunately is likely indicated.

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

12 years

WEIGHT

49 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

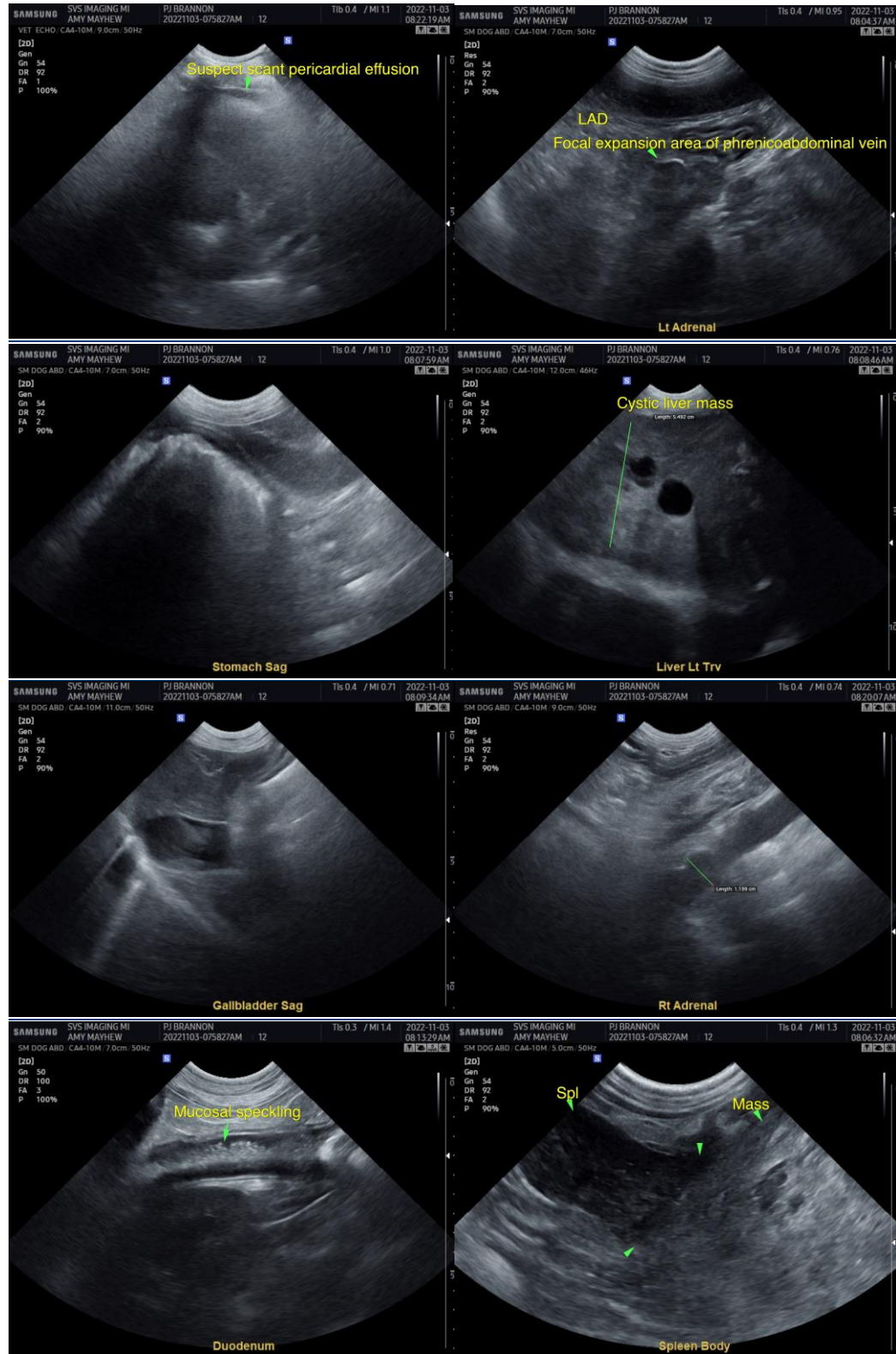
Vet Select Animal
Hospital of Dearborn

INVOICE

15359

DATE

11/3/22



IMAGING PERFORMED BY

SVS Mobile Imaging MI 734-637-7711
svsimagingmi@gmail.com



PATIENT

PJ Brannon

SPECIES

Canine

BREED

Mixed

SEX

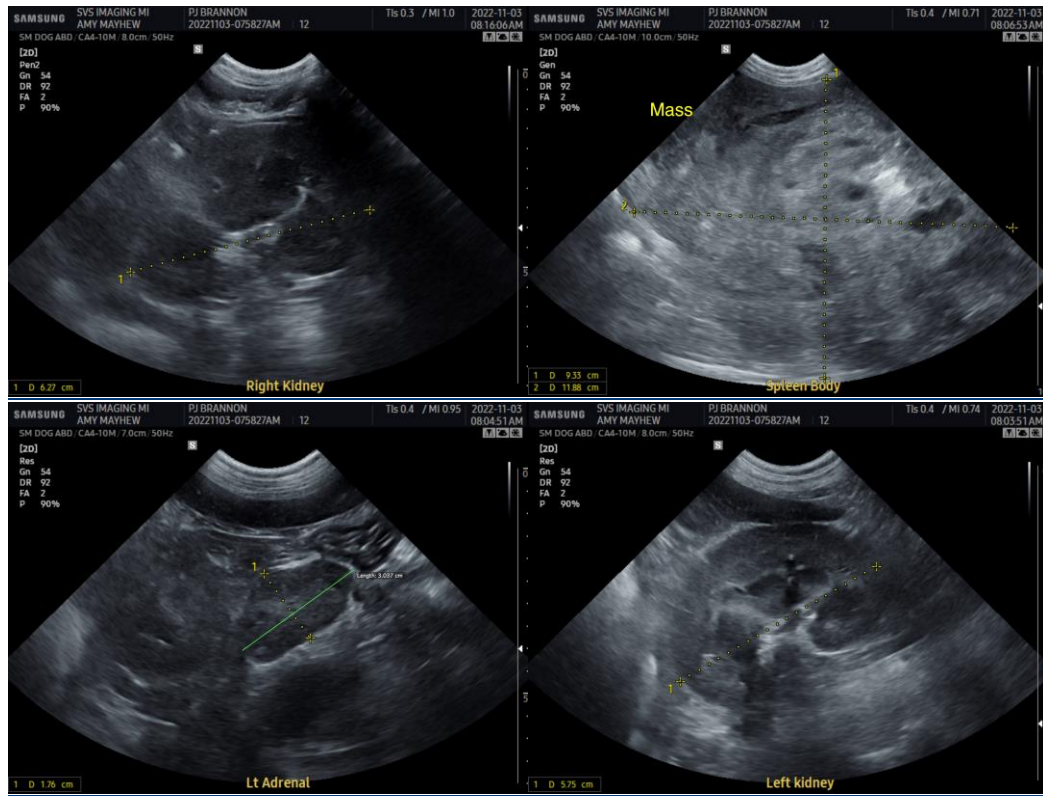
FS

AGE

12 years

WEIGHT

49 lbs.



INTERPRETED BY

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

IMAGING PERFORMED BY

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Vet Select Animal
Hospital of Dearborn

INVOICE

15359

DATE

11/3/22

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