

**PATIENT**

Buddy Brooks

SPECIES

Canine

BREEDAustralian Shepherd
mix**SEX**

N/M

AGE

12 years

WEIGHT

62 lbs.

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

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Hartmann

INVOICE

15896

DATE

1/20/23

PRESENTING CLINICAL SIGNS

Acute Epistaxis. Episode lasted 15 minutes. Buddy was in the clinic within about 30 minutes. No longer actively bleeding, but a small amount of blood is visible bilateral in each nostril. No obvious swelling. No petechial hemorrhaging, no hx of rodenticide.

Abnormal PE/Chem/CBC/UA Results: Chronic History or allergies, non-specific liver disease, pancreatitis, perianal adenocarcinoma (first removed in 2019 at Iowa State University, recurrence in 2020 - did not remove, this has been growing slowly over the last 2 years). Ca 13.7, ALT 321, ALP 1068, Cholesterol 335 (liver enzymes are rising) PT - 12.2 (normal) PTT - 167.0 (elevated) BP: 152/102 (118), 156/94 (114), 157/101 (122) Current meds - Reglan Once daily at night, Tagamet - once daily at night, Fexofenadine - 3 tabs in AM, Benadryl - 3 tabs at 5:30 PM, Apoquel, Fatty Acids, Denamarin, Eating HP diet, Occasional Cerenia as needed for nausea, Occasional Carprofen if needed after he goes to his chiropractic adjustment (Did have 1 tablet in the last couple of days)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder was normal in size and tone. The bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. I was noted. Anechoic urine was present in the lumen with adhered ventral to apical luminal mineral. No evidence of macro calculi or tumors. The urethra exhibited normal structure and tone to a depth of 2.0 cm. Urinary bladder wall thickness measured 0.56 cm width. The ureteral papillae were normal. The ureters were not visible which is normal.

The residual prostate was free of pathology.

A large, irregular, nonhomogeneous mass was present in the area of the iliac trifurcation and sublumbar space dorsal to the urinary bladder measuring approximately 7.4 cm in diameter.

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 7.0 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 3.5 cm length x 0.79 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 4.2 cm length x 0.65 cm width at the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Intermittent, discrete, benign medial parenchyma and perihilar myelolipomas were noted. No evidence of splenic masses was found. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no

**PATIENT**

Buddy Brooks

evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

SPECIES

Canine

Liver/ Gallbladder

The liver was enlarged exhibiting capsule asymmetry and nonhomogeneous, hypoechoic parenchyma exhibiting discrete parenchymal nodular changes. A large, expansive, irregular, mass deriving from the caudal aspect of the mid to left liver extending into the level of the gastric axis was present measuring approximately 5.0 cm in diameter. The gallbladder was non-distended in size containing primarily anechoic content with mild, dependent, hyperechoic, nonorganized gallbladder debris. The cystic and common bile ducts were normal.

BREEDAustralian Shepherd
mix**SEX**

N/M

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. The stomach exhibited possible mild displacement secondary to the hepatomegaly and liver mass.

AGE

12 years

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.

WEIGHT

62 lbs.

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.

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)***Free Abdomen***

Regional hyperechoic mesentery and scant free fluid were noted.

**IMAGING
PERFORMED BY**

Sarah Pender, CVT

ULTRASONOGRAPHIC FINDINGS

- Peri iliac / sublumbar mass vs. severe lymphadenopathy
- Infiltrative hepatomegaly with mid to caudal mass, regional perihepatic peritonitis
- Age-related splenic and renal changes
- Mild chronic cystitis pattern with adhered luminal mineral
- Mild gallbladder debris (non-mucocele)

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Hartmann

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, the peri iliac to sublumbar mass is consistent with neoplastic criteria, given the history of perianal adenocarcinoma with concurrent primary or likely metastatic hepatic neoplastic criteria indicating multicentric intraabdominal neoplasia. An unfavorable prognosis is indicated.

INVOICE

15896

DATE

1/20/23



PATIENT

Buddy Brooks

SPECIES

Canine

BREED

Australian Shepherd mix

SEX

N/M

AGE

12 years

WEIGHT

62 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

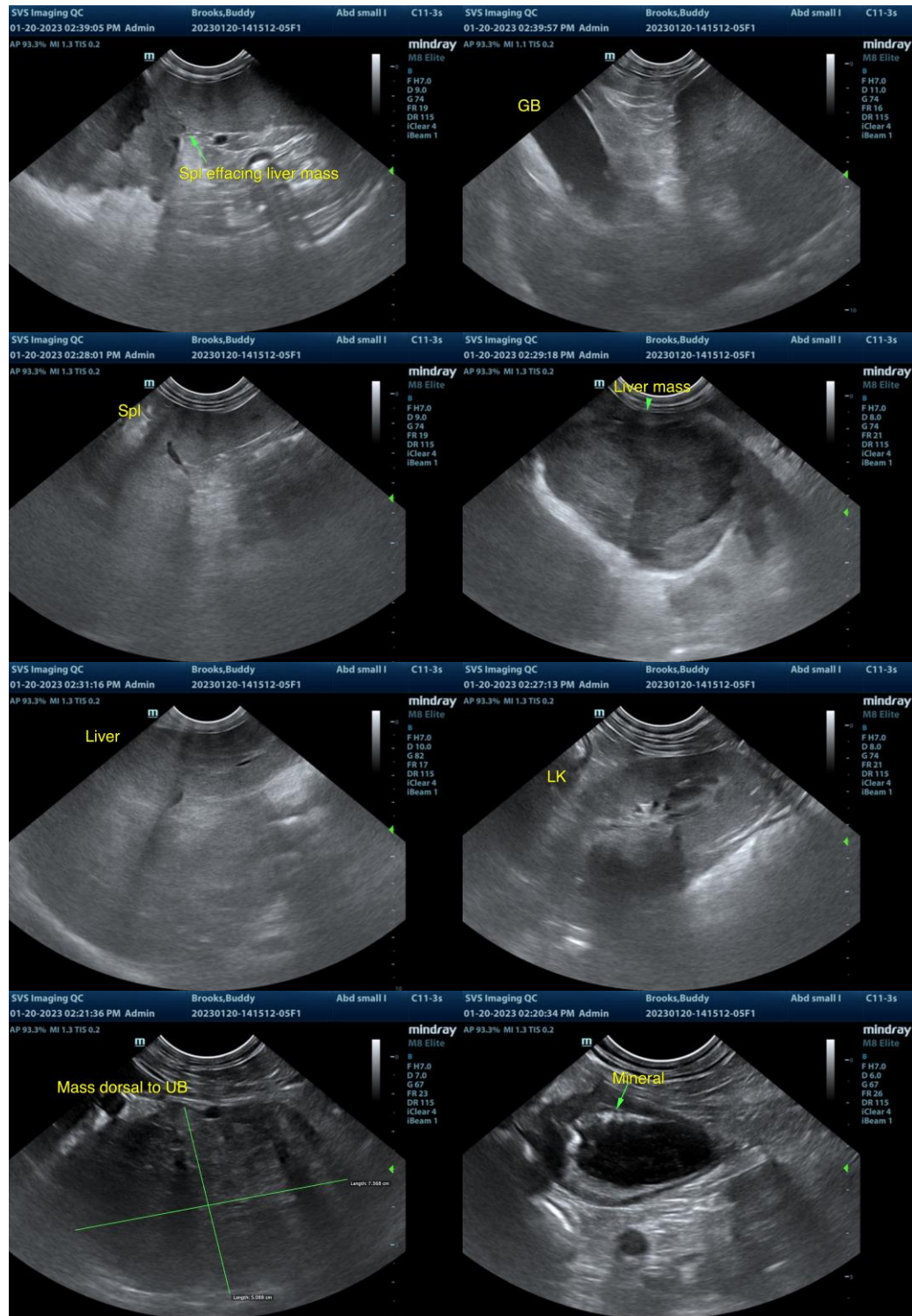
Dr. Hartmann

INVOICE

15896

DATE

1/20/23



IMAGING PERFORMED BY

svsmobileimaging.com 309-737-3070



Clinical Sonography & Telectyology

EDUCATIONAL TELECONSULTATION SERVICES™

1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Buddy Brooks

SPECIES

Canine

BREED

Australian Shepherd mix

SEX

N/M

AGE

12 years

WEIGHT

62 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

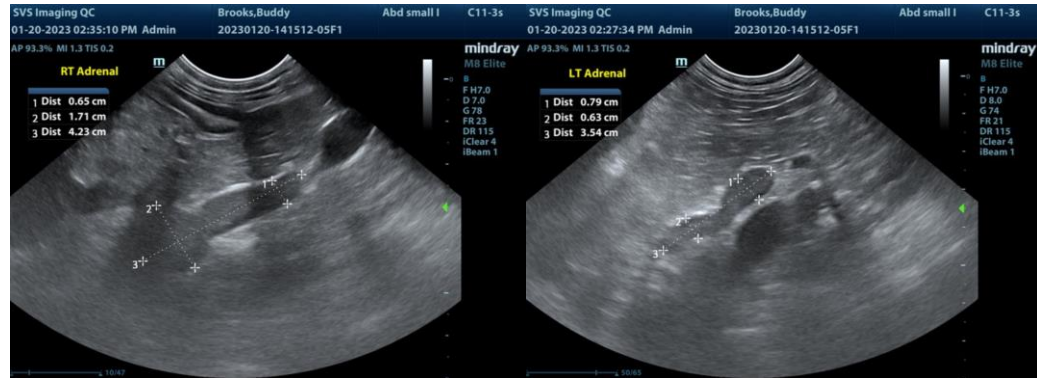
Dr. Hartmann

INVOICE

15896

DATE

1/20/23



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.

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