

**PATIENT**

Cash Hutchings

SPECIES

Canine

BREED

Australian Shepherd

SEX

MN

AGE

12yr

WEIGHT

19.64kg

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

Patti Mayfield, DVM

HOSPITAL NAMEBroken Top Veterinary
Clinic**REFERRING VET**

Terra McSwain, DVM

**INVOICE
24282****DATE**

03/24/2026

PRESENTING CLINICAL SIGNS

3/12/26: Presenting complaint for decreasing activity and weight loss Anemic

Abnormal PE/Chem/CBC/UA Results: Physical exam unremarkable aside from weight loss Survey rads: - NSF Blood work - Non-regenerative anemia, HCT: 33% - Leucocytosis (WBC = 20.3) ; neutrophilia (PMN: 16.6) and monocytosis (1.58) - GLOB: 4.3 (H) - elevated AMYL (2037) - elevated cardiopet proBNP (1324) - proteinuria 30 mg/dL - 4DX: NEG - T4/FT4: WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN AND LIMITED HEART**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

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 6.3 cm in length. The right kidney measured 7.1 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.47 cm width at the caudal pole. The right adrenal gland measured 0.66 cm width at the caudal pole.

Spleen

A moderately sized to expansive mass involving the cranial spleen with primarily symmetrical capsule expansion and disruption was present and measured ~ 6-7 cm in 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 omental inflammation was present around the mass.

Liver/Gallbladder

The liver presented subjectively mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. A solitary indistinctly marginated isoechoic to mildly non-homogenous, caudal intraparenchymal nodule was present measuring 3.3 cm in diameter. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild non-organized debris. The cystic and common bile ducts were normal.



PATIENT

Cash Hutchings

SPECIES

Canine

BREED

Australian Shepherd

SEX

MN

AGE

12yr

WEIGHT

19.64kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield, DVM

HOSPITAL NAME

Broken Top Veterinary
Clinic

REFERRING VET

Terra McSwain, DVM

INVOICE
24282

DATE
03/24/2026

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 small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical/metabolic 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 was evident.

Free Abdomen/Cardiac

No evidence of peritoneal effusion.

An unspecified non-homogenous mass lesion, not associated with the spleen, and potentially within the area of the right retroperitoneal space caudal to the right kidney was present. No overt concurrent retroperitoneal effusion. The mass lesion measured ~ 5.6 cm x 3.6 cm.

Rapid view of the heart revealed subjective thickened right atrioventricular groove measuring ~ 2.6 cm x 1.6 cm. No evidence of pericardial effusion. Subjective overall normal left and right heart chamber dimension. Adequate LV systolic function.

ULTRASONOGRAPHIC FINDINGS

Primary

- Splenic mass
- Mild hepatomegaly with indistinctly marginated discrete intraparenchymal nodule
- Mild gallbladder debris (non-mucocele)
- Thickened right atrioventricular groove

Secondary

- Age-related renal/ adrenal changes
- Sonographically normal gastrointestinal tract

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.

The ill-defined to discrete hepatic nodule and thickened right atrioventricular groove are non-specific and may indicate incidental benign or age-related findings yet potential for early cardiac and hepatic metastasis is of concern although not definitive. Three view chest radiographs are recommended if not done to assess for occult thoracic pathology.

An extremely guarded prognosis even with surgical intervention is suspected.



PATIENT

Cash Hutchings

SPECIES

Canine

BREED

Australian Shepherd

SEX

MN

AGE

12yr

WEIGHT

19.64kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield, DVM

HOSPITAL NAME

Broken Top Veterinary
Clinic

REFERRING VET

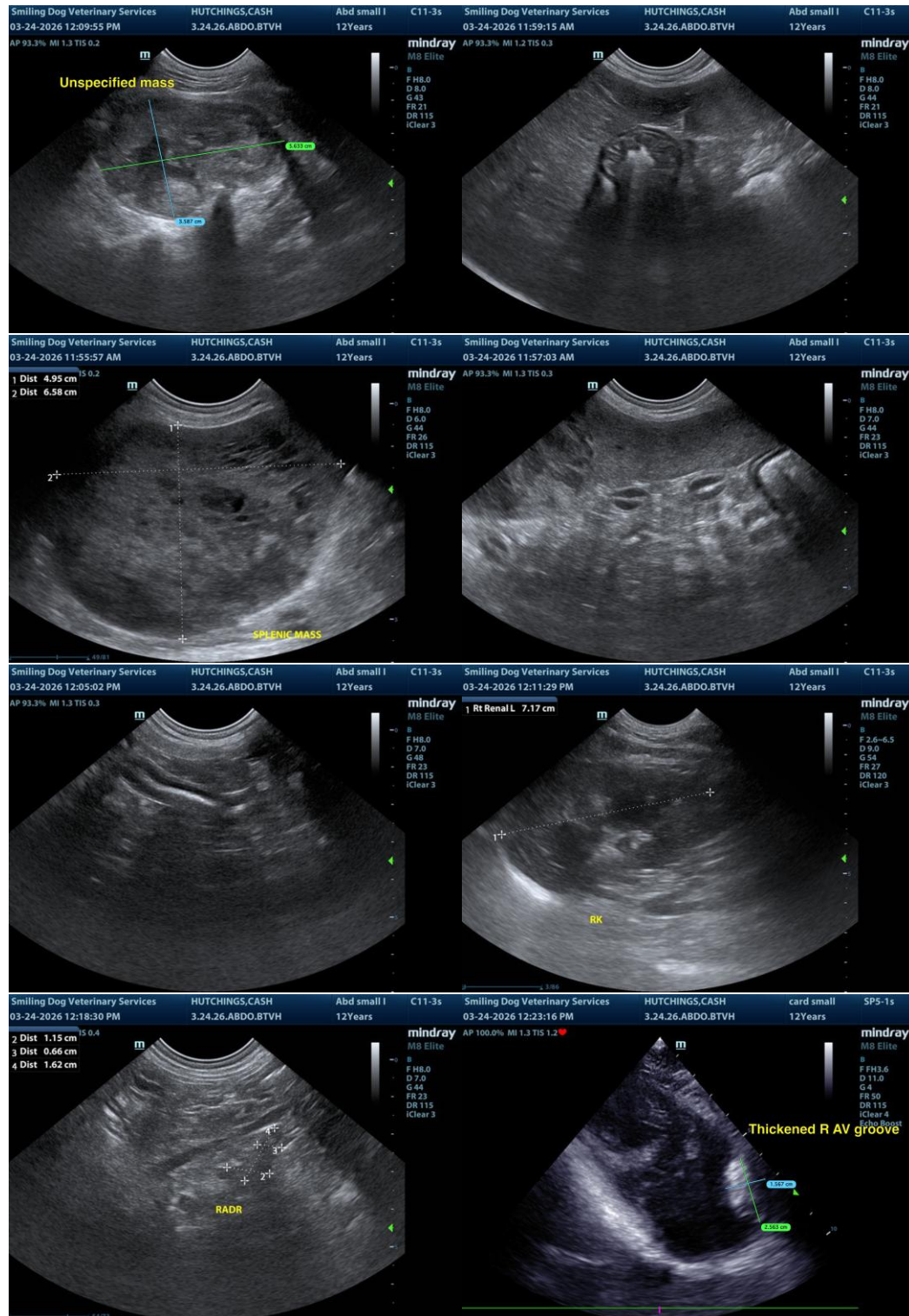
Terra McSwain, DVM

INVOICE

24282

DATE

03/24/2026





PATIENT

Cash Hutchings

SPECIES

Canine

BREED

Australian Shepherd

SEX

MN

AGE

12yr

WEIGHT

19.64kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Patti Mayfield, DVM

HOSPITAL NAME

Broken Top Veterinary
Clinic

REFERRING VET

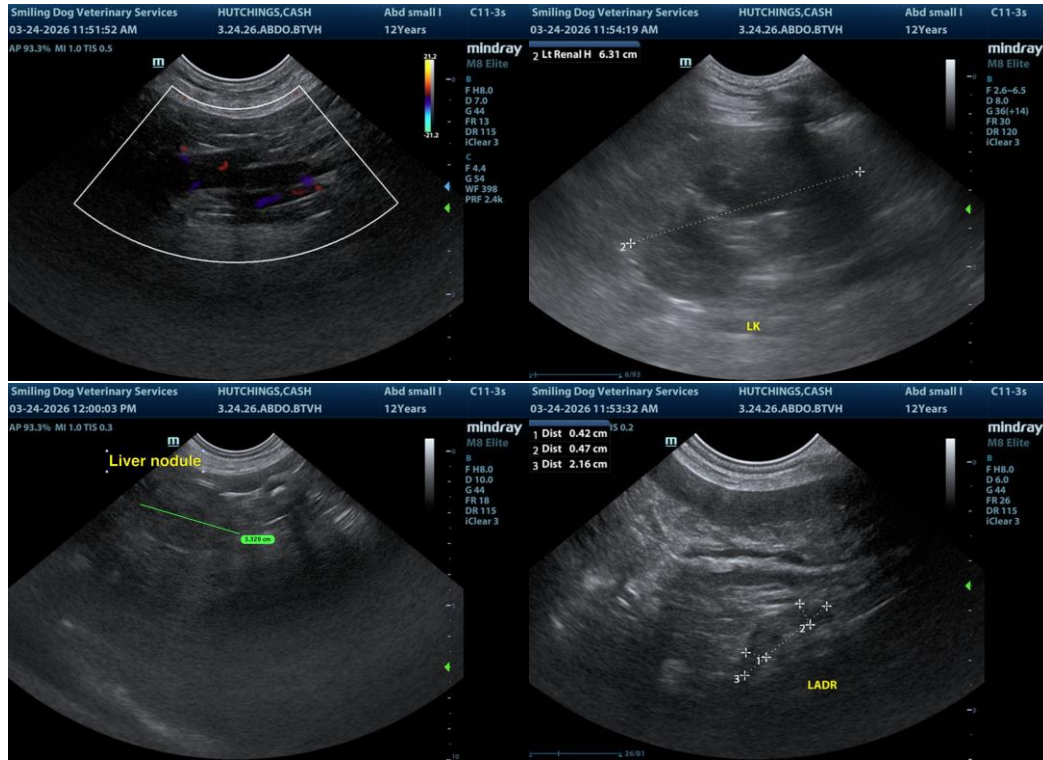
Terra McSwain, DVM

INVOICE

24282

DATE

03/24/2026



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