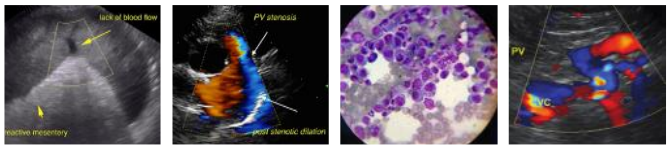
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



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

PATIENT

Waldo Barker

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

10yr

WEIGHT

63lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Carly Pate

HOSPITAL NAME

VCA McKenzie Animal Hospital

REFERRING VET

Dr. Wayland

INVOICE

12704ag

DATE

01/16/2023

PRESENTING CLINICAL SIGNS

inappetence for about a week now- in the morning lethargic in the morning , but P seems to perk up in the afternoon/evenings weight loss. Physical exam showed pale pink gums, potental mass in abdomen- but difficult to hospitalize.

Medications: Pumpkin 3tbsp BID Glandex 3/4 tsp SID Nordic Naturals Omega-3 Oil 2 gel caps SID Cosequin DS 2 capsules SID Gabapentin 300mg - prn for anxiety when traveling

Abnormal PE/Chem/CBC/UA Results: IH Bloodwork today showed: AMY 1675 HGB 8.6 HCT 26.93 MCV 49 MCH 15.4 MCHC 31.8 RDWc 22.1 LYM 0.52

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

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 7.1 cm in length. The right kidney measured 6.6 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.71 cm width at the caudal pole and 0.68 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 0.55 cm width at the caudal pole.

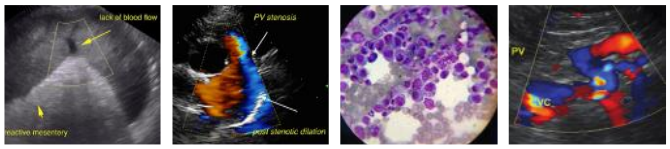
Spleen

A mass involving the cranial spleen with secondary asymmetrical capsule expansion and disruption was present and measured ~13-14 cm in diameter. The mass extended to directly efface portions of the caudal liver. 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 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.

Gastrointestinal



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

PATIENT

Waldo Barker

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

10yr

WEIGHT

63lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Carly Pate

HOSPITAL NAME

VCA McKenzie Animal Hospital

REFERRING VET

Dr. Wayland

INVOICE

12704ag

DATE

01/16/2023

The stomach was indistinctly visualized owing the cranial splenic mass.

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

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

No peritoneal effusion or hemoabdomen was present.

Mild perisplenic hyperechoic omentum was present. Potential for omental adhesions to the splenic mass possible but not definitive.

Rapid view of the heart revealed no overt evidence of pericardial masses or effusion in the visible window.

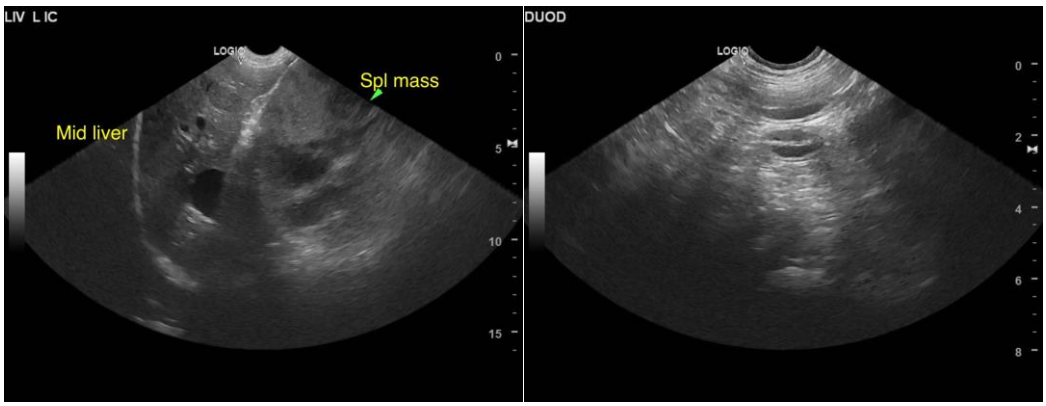
ULTRASONOGRAPHIC FINDINGS

- Large cavitated cranial splenic mass with mild associated peripheral hyperechoic mesentery
- Sonographically unremarkable liver/gallbladder
- Mild chronic renal changes
- Overtly normal visualized intestinal tract

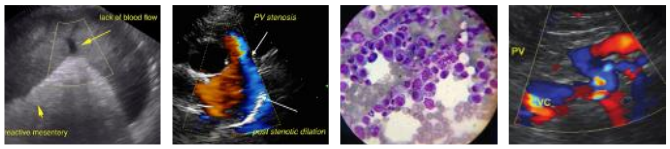
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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. No evidence of intra-abdominal or cardiac metastasis was visualized. Potential for micrometastasis in these cases cannot be definitively excluded. Primary concern is for hemangiosarcoma.

Assuming no evidence of pathology on thoracic radiographs, splenectomy with gross inspection of the perisplenic omentum and major organs could be considered. A guarded long term prognosis is indicated.



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



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

PATIENT

Waldo Barker

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

10yr

WEIGHT

63lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Carly Pate

HOSPITAL NAME

VCA McKenzie Animal Hospital

REFERRING VET

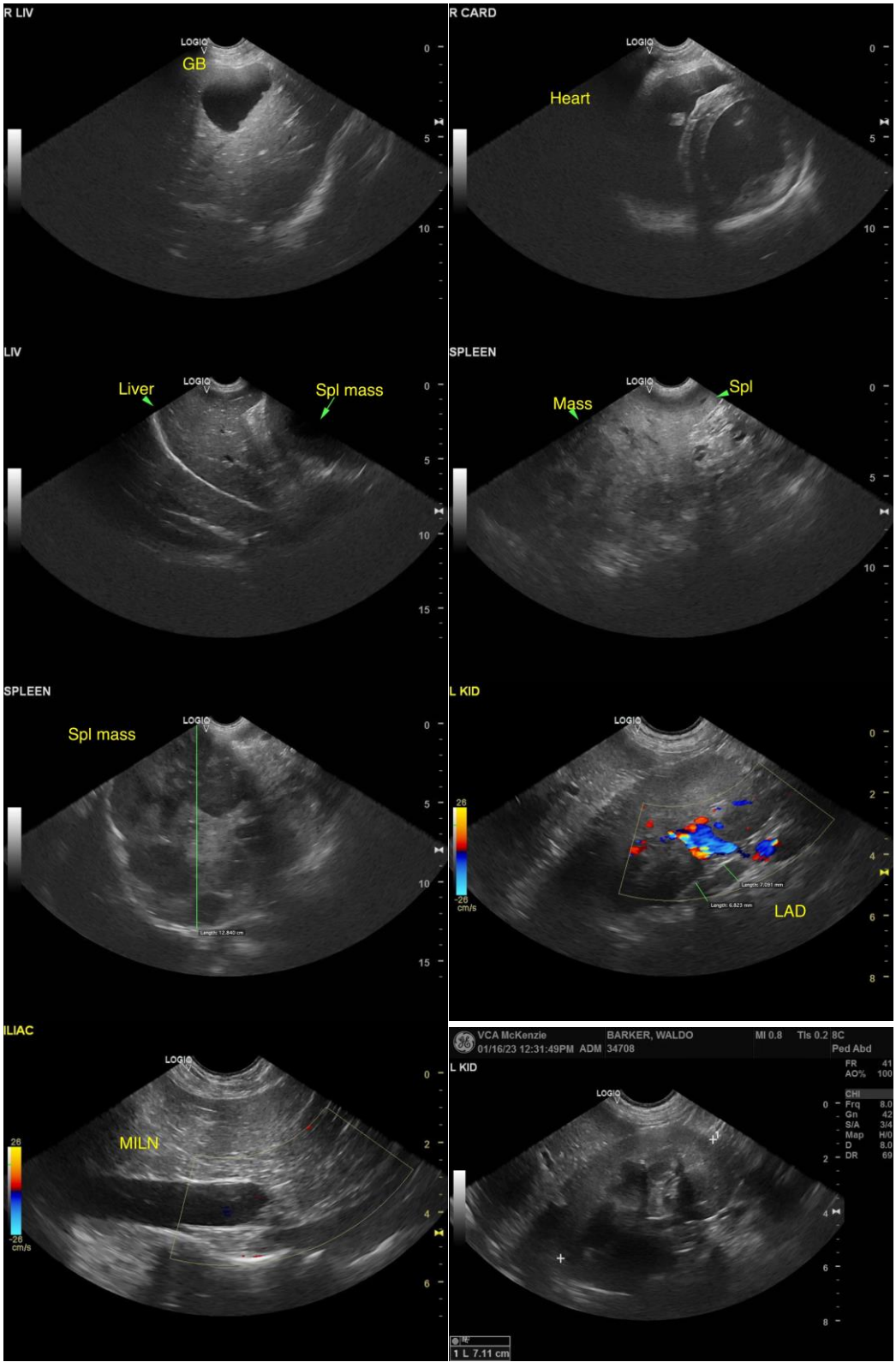
Dr. Wayland

INVOICE

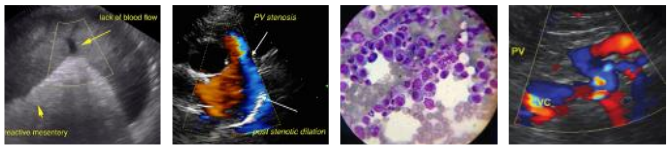
12704ag

DATE

01/16/2023



SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



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

PATIENT

Waldo Barker

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

10yr

WEIGHT

63lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Carly Pate

HOSPITAL NAME

VCA McKenzie Animal Hospital

REFERRING VET

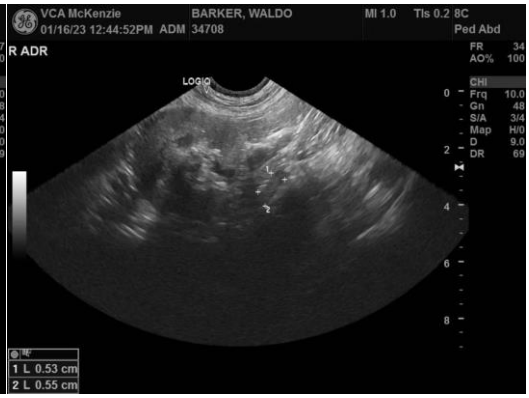
Dr. Wayland

INVOICE

12704ag

DATE

01/16/2023



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)
mac.daniel@sonopath.com