



PATIENT

Lilly Bauer

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Spayed Female

AGE

10 Years 3 Months

WEIGHT

43.6

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Jessica Green

HOSPITAL NAME

Stanglein Vet Clinic

REFERRING VET

Dr. Dan Hoffman

INVOICE

44195

DATE

1/12/23

PRESENTING CLINICAL SIGNS

History of metastatic hemangiosarcoma- the patient was seen at an emergency/referral practice for a ruptured splenic mass on 12/5/22 and splenectomy was performed; at that time, multiple hepatic nodules were also noted, and liver lobectomies (left and right medial lobes) were also performed. Biopsy results were consistent with hemangiosarcoma, and the owner was not interested in adjunctive chemotherapy or radiation; on 1/5/23, chest rads revealed a mild metastatic pulmonary pattern; as of today the patient is mostly anorectic and appears nauseous most of the time (despite several appetite stimulants and gastroprotective medications), so there is concern that the ruptured splenic mass may have seeded cancer throughout the abdomen.... Meds: cerenia, entyce, metro, mirtazipine, prednisone, prilosec, yunnan baiyao

Abnormal PE/Chem/CBC/UA Results: 1/5/23 PVC/TS 32%/7.5g/dL, and today 1/12/23 PCV/TS 24%/7.5 g/dL; full bloodwork not performed since the splenectomy (and that was done at another practice)... Rads on 1/5/23 an interstitial to nodular pulmonary pattern (consistent with metastasis) was noted; abdominal rads were not performed at that time and have not been done since the splenectomy at another practice.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, and ureteral papillae appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi. The region of the trigone appears normal and the proximal urethra is normal, but approximately 2.0 cm distal to the trigone there is a hypoechoic irregular mass effect measuring approximately 1.29 cm x 2.01 cm, most consistent with a urethral mass or abnormal lymph node in the region.

The left kidney has a normal shape and size (6.13 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney has a normal shape and size (7.12 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size measuring 0.37 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The right adrenal gland is normal in size measuring 0.50 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

Spleen

The spleen was surgically removed on 12/5/22. The area where the spleen was removed (splenic fossa) contains numerous large, hypoechoic mass effects and nodules lying within hyperechoic mesentery. Examples of these measure 1.42 cm and 1.38 cm in diameter, as well as 1.98 cm and 2.4 cm. Some of these appear cavitated.



PATIENT

Liver

Lilly Bauer

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Spayed Female

AGE

10 Years 3 Months

WEIGHT

43.6

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Jessica Green

HOSPITAL NAME

Stanglein Vet Clinic

REFERRING VET

Dr. Dan Hoffman

INVOICE

44195

DATE

1/12/23

The liver is large and irregular. The parenchyma is heterogenous in echotexture with subtle, indistinct focal mottling. The visible portions of the vasculature and biliary tract appear normal. There are numerous mass effects and nodules associated with the liver. A large hypoechoic, somewhat cavitated mass effect is visualized measuring 5.42 cm x 8.69 cm. Another lesion on the right side measures 5.57 cm x 3.82 cm.

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.

Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The area of the pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

There is scant free abdominal fluid. There is no overt lymphadenopathy, but the mesentery contains too numerous to count, large, expansile, hypoechoic (some cavitated) nodules. Some of these could be effaced lymph nodes. Others likely represent omental metastasis. Examples of these structures measure 2.42 cm x 2.64 cm and 3.26 cm x 3.212 cm. The omentum is diffusely nodular and hyperechoic.

ULTRASONOGRAPHIC FINDINGS

- Too numerous to count, large, hypoechoic, irregular, cavitated omental nodules – Findings are most consistent with omental metastasis.
- Two large, hypoechoic, cavitated mass effects in the liver and numerous hypoechoic nodules – Findings are most concerning for metastasis of the hemangiosarcoma to the liver.
- Hypoechoic, irregular mass effect in the region of the urethra – This could represent a urethral mass or an effaced lymph node in the pelvic region. No evidence of obstruction is visualized.



PATIENT

Lilly Bauer

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Spayed Female

AGE

10 Years 3 Months

WEIGHT

43.6

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Jessica Green

HOSPITAL NAME

Stanglein Vet Clinic

REFERRING VET

Dr. Dan Hoffman

INVOICE

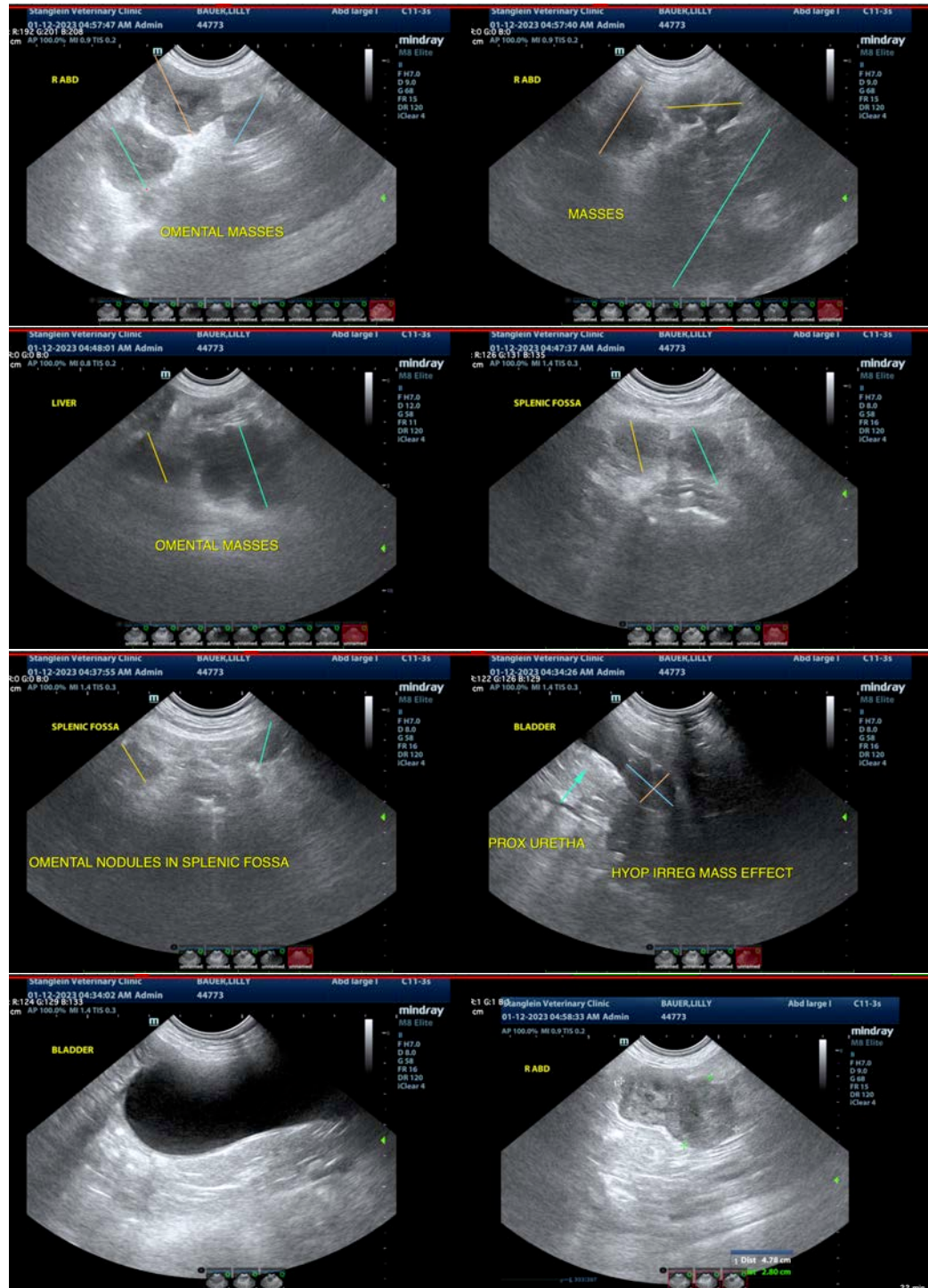
44195

DATE

1/12/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The findings on today's scan are most consistent with diffuse widespread metastasis of the hemangiosarcoma to the liver, omentum, and possibly the area of the urethra. A fine needle aspirate of a lesion can be performed to try and confirm this. Unfortunately, no surgical options exist. If further treatment is desired, recommend consultation with a veterinary oncologist. Prognosis is grave.





PATIENT

Lilly Bauer

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Spayed Female

AGE

10 Years 3 Months

WEIGHT

43.6

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Jessica Green

HOSPITAL NAME

Stanglein Vet Clinic

REFERRING VET

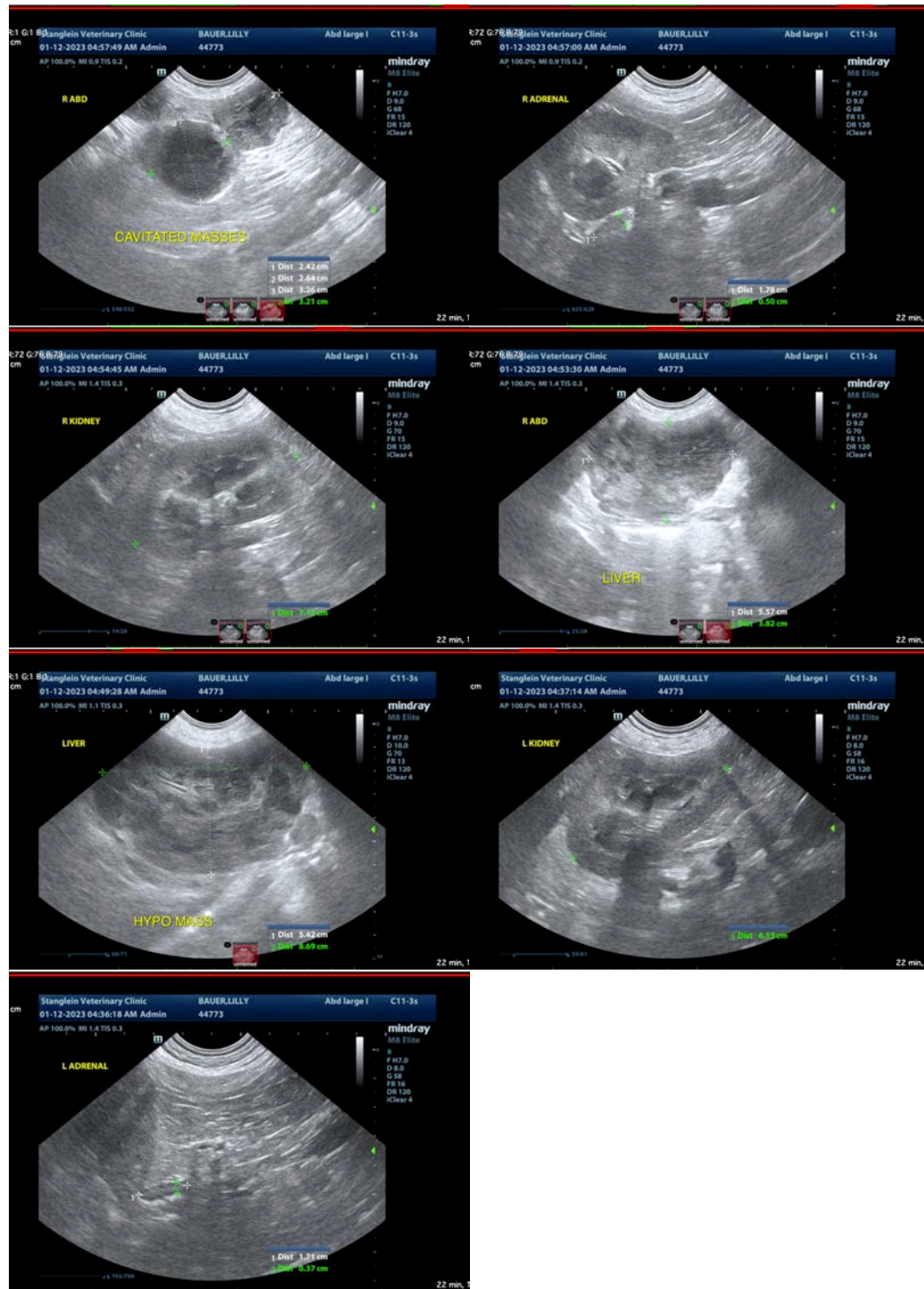
Dr. Dan Hoffman

INVOICE

44195

DATE

1/12/23





PATIENT

Lilly Bauer

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.

SPECIES

Canine

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.

BREED

Labrador Retriever X

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com

SEX

Spayed Female

AGE

10 Years 3 Months

WEIGHT

43.6

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Jessica Green

HOSPITAL NAME

Stanglein Vet Clinic

REFERRING VET

Dr. Dan Hoffman

INVOICE

44195

DATE

1/12/23