



PATIENT PRESENTING CLINICAL SIGNS

Lily Adams

Large mammary mass, dog became more uncomfortable, and owner felt was because of the mass. On exam felt large firm mass in dorsal abdomen and on radiographs looked like large mass in the retroperitoneal space with mineralization of the sublumbar Ln.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Lab work WNL expect for HCT 59.7%

BREED

Boxer

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

The **urinary bladder** was normal in size and shape. The serosal and mucosal surfaces were mildly irregular possibly due to nearby inflammation. The bladder wall was normal in thickness for the volume of urine present. The urine was anechoic with no sediment or uroliths. The ureters were not visible, which is normal. There was inflammation in the region of the pelvic urethra and trigone, likely from regional inflammation from the retroperitoneal space.

AGE

6 Years 6 Months

The retroperitoneal space was filled with irregular, bright fat with pockets of free fluid. There may be rounded, hypoechoic lymph nodes within the hyperechoic fat, but they are indistinctly visualized. The inflammation and pockets of fluid extended cranial to surround the left kidney. The iliac trifurcation was obscured by the regional inflammation.

WEIGHT

60 Pounds

The left **kidney** was swollen with significant perirenal inflammation with irregular small pockets of fluid. The kidney had increased vascularity on power doppler. There was left renal pyelectasia, measuring 7 mm in width.

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

The right **kidney** was subjectively normal in size for breed and body weight. The capsule contour was smooth. Normal corticomedullary distinction was present with a normal 1:3 cortex to medulla ratio. The cortex was normal in echogenicity. The renal perfusion and vascularity were normal on power doppler. The right kidney measured 7.1 cm in length.

IMAGING PERFORMED BY

Dr. Ashley Whitesell

Adrenal Glands

The right **adrenal gland** was indistinctly visualized, but appeared normal in size, shape and echogenicity. The left adrenal gland was obscured by the significant regional inflammation.

HOSPITAL NAME

Dickson Animal Clinic

Spleen

The **spleen** was normal size and shape with a smooth capsule contour. The spleen was in a normal position. The parenchyma had a finely textured and homogenous echogenicity. The vasculature was normal in structure, with no evidence of thrombus on power doppler examination.

REFERRING VET

Dr. Ashley Whitesell

INVOICE

44267

Liver

The **liver** was normal in size and shape with a smooth capsule contour. The liver lobe edges were appropriately sharp. The parenchyma had a normal coarse and homogenous texture. The hepatic and portal vasculature were normal in size and volume. There were no visible focal lesions, masses or inflammation present.

DATE

7/21/23



PATIENT

Lily Adams

The **gallbladder** was normal in size and shape. The gallbladder wall was thin and echogenic, with no sign of luminal or surrounding inflammation. The gallbladder contents were largely anechoic. The cystic duct and common bile duct were visualized and found to be normal in size and shape.

SPECIES

Canine

Gastrointestinal

BREED

Boxer

The **stomach** was largely empty with normal size, shape, and position. The stomach wall was normal in thickness and maintained appropriate layering. The **small intestine** displayed normal curvilinear patterns throughout, with normal wall thickness and layering. Normal peristalsis was present. The visible **colon** wall was normal in thickness and layering. There were no visible masses or focal lesions.

SEX

Spayed Female

Pancreas

The visible pancreas was normal in size and shape. The pancreatic capsule was smooth, without deviation or expansion. The parenchyma was isoechoic to the surrounding mesentery. The pancreatic duct was normal in size and appearance. There was no evidence of discrete masses or inflammation.

AGE

6 Years 6 Months

Free Abdomen

A mammary mass was imaged. The mass is hypoechoic with heterogeneous echotexture. The mass has irregular borders and is highly vascular on exam with power doppler. There are variably sized mineralizations throughout the mass. There may be some cystic or necrotic areas within the mass. The adjacent body wall is hyperechoic and with an irregular surface, likely representing significant inflammation.

WEIGHT

60 Pounds

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Karen Ebersole, DVM,
DABVP (Canine and
Feline)

ULTRASONOGRAPHIC FINDINGS

- Severe retroperitoneal inflammation
- Irregular pockets of free fluid in retroperitoneal space
- Left renal pyelectasia with perirenal inflammation
- Mammary mass with significant vascularity and body wall inflammation

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is suspected metastasis of the mammary mass into the iliac lymph nodes causing significant retroperitoneal inflammation. The left kidney inflammation and pyelectasia is likely related, and the left ureter may be obstructed as it is going through the retroperitoneal space. The mammary gland appears aggressive, with significant vascularity, irregular borders and local body wall inflammation. Referral to oncology for evaluation of chemotherapy options is recommended. If the owners do not wish to pursue chemotherapy, hospice care with pain control or humane euthanasia should be considered.

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HOSPITAL NAME

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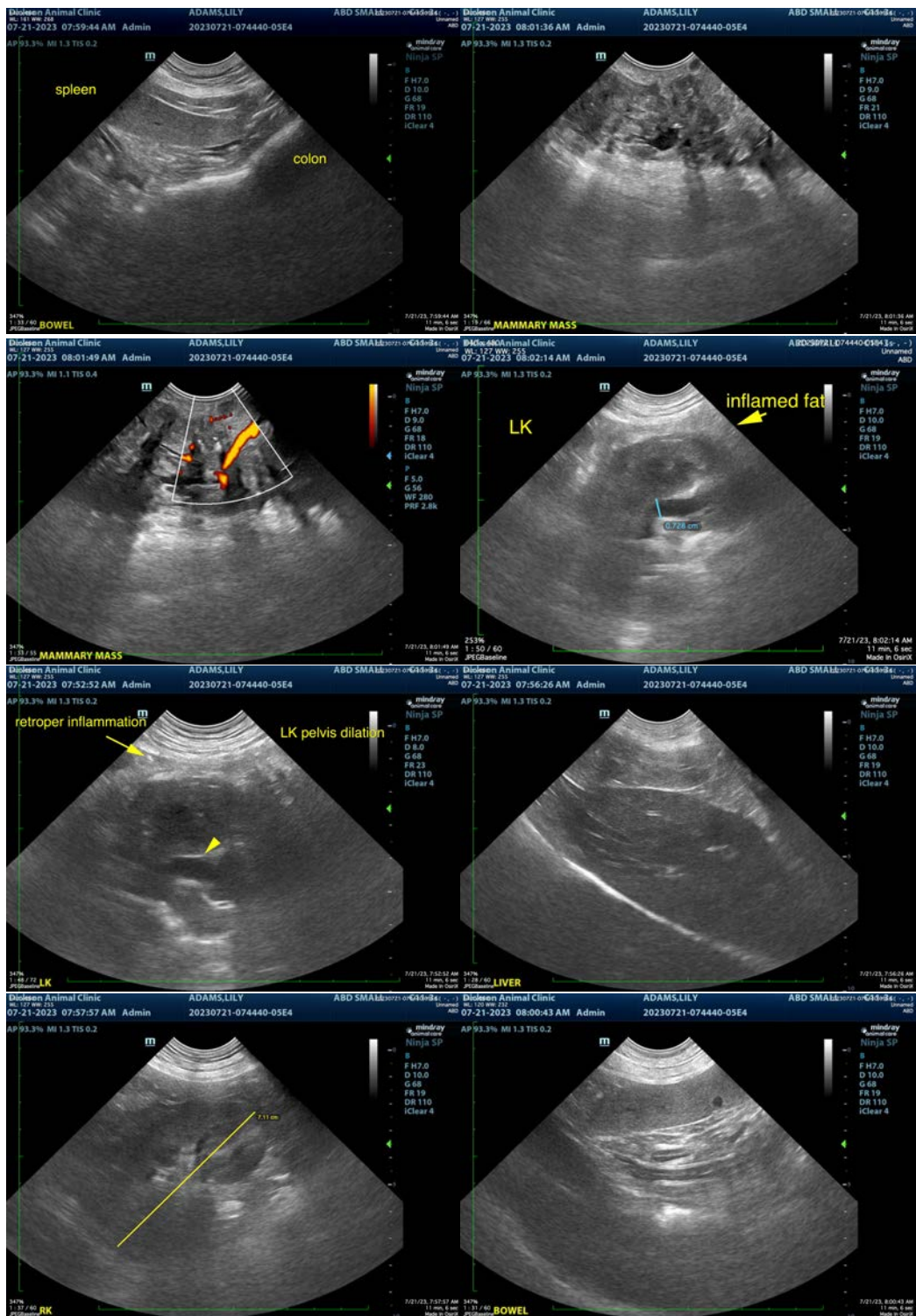
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PATIENT

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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

Boxer

Karen Ebersole, DVM, DABVP (Canine and Feline practice)
info@SonoPath.com

SEX

Spayed Female

AGE

6 Years 6 Months

WEIGHT

60 Pounds

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