



PATIENT

Maggie Austin

SPECIES

Canine

BREED

Boxer mix

SEX

Spayed female

AGE

11 years

WEIGHT

105 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Ridge Road AH

REFERRING VET

Dr. Pathak

INVOICE

42318

DATE

11/3/22

PRESENTING CLINICAL SIGNS

History: Right anal gland mass first discovered in March of 2022, FNA revealed mass is consistent with Apocrine gland anal sac adenocarcinoma. Patient presents today due to severe enlargement of the right anal gland mass and concern of possible metastatic spread. Current meds: Clavamox, Carprofen, and Tramadol.

Neutrophilia (mild), elevated ALT/ALP

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 6.52 cm. The left kidney measured 7.73 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.55 x 1.11 cm at the cranial pole and 0.92 cm at the caudal pole. The left adrenal gland measured 2.46 x 0.95 cm at the caudal pole and 0.71 cm at the cranial pole.

Spleen

The **spleen** revealed a focal, expansive nodule that measured 1.4 cm.

Liver

The **liver** revealed multi-focal, expansive, mixed hyperechoic masses that measured up to 5.3 cm at the left cranial liver and 5.14 cm at the left caudal liver. The right liver revealed multiple, nodular changes. The gallbladder was over distended and rounded. The hepatic lymph node was enlarged and rounded measuring 1.38 cm. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively.



PATIENT

Pancreas

Maggie Austin

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES

Canine

Free Abdomen

BREED

Boxer mix

The right anal gland revealed a parenchymal mass that measured 6.12 cm. The left anal gland was uniform with no evidence of pathology and measured 2.7 x 0.93 cm. The iliac lymph nodes were enlarged, hypoechoic and somewhat rounded at 5.0 x 3.0 cm. Cystic component was noted to some of the iliac lymph nodes that were enlarged, rounded and significantly infiltrated.

SEX

Spayed female

ULTRASONOGRAPHIC FINDINGS

AGE

11 years

Right anal gland mass with iliac lymph node masses and cystic component.

Multiple hepatic masses and hepatic lymphadenopathy.

WEIGHT

105 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Multi-centric neoplasia is suspected. Immediate oncological intervention is warranted based on FNA results of the anal gland mass and iliac masses. FNA of the liver is recommended. Two separate neoplastic events may be occurring or metastatic pattern to the liver. The prognosis long term is poor.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Ridge Road AH

REFERRING VET

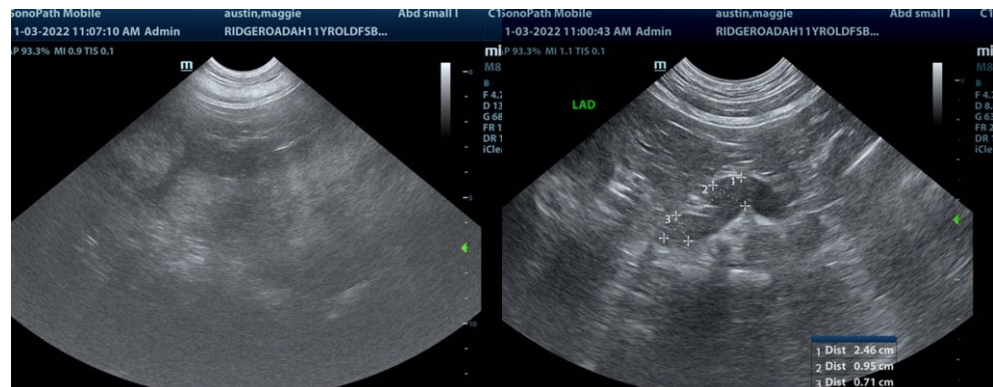
Dr. Pathak

INVOICE

42318

DATE

11/3/22





PATIENT

Maggie Austin

SPECIES

Canine

BREED

Boxer mix

SEX

Spayed female

AGE

11 years

WEIGHT

105 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Ridge Road AH

REFERRING VET

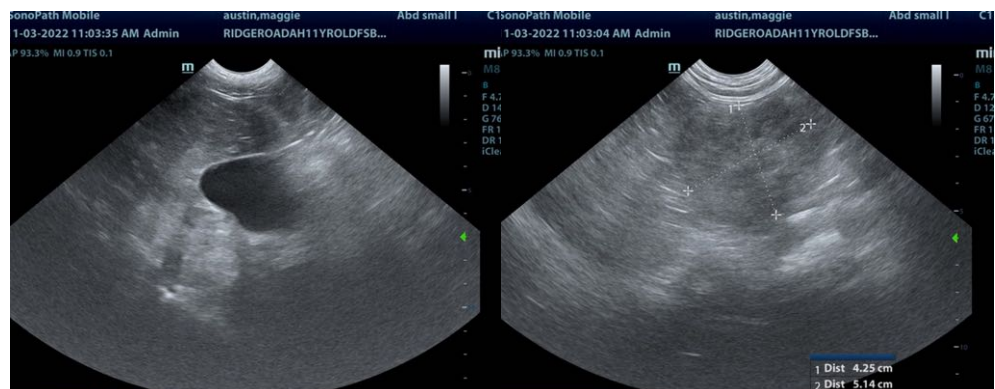
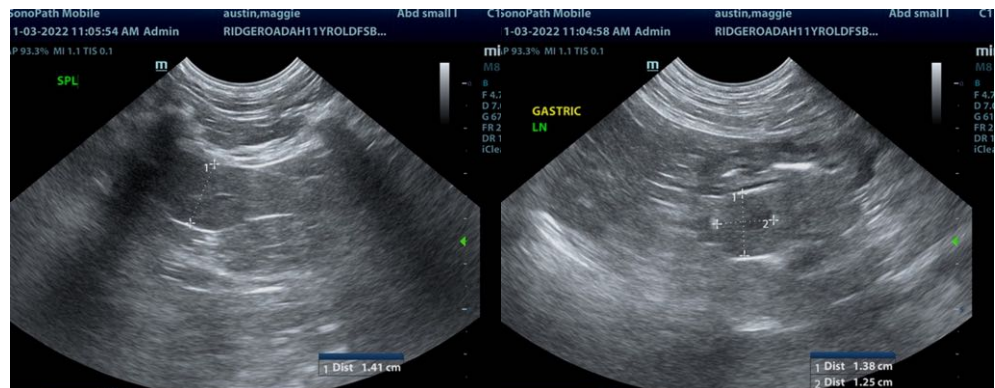
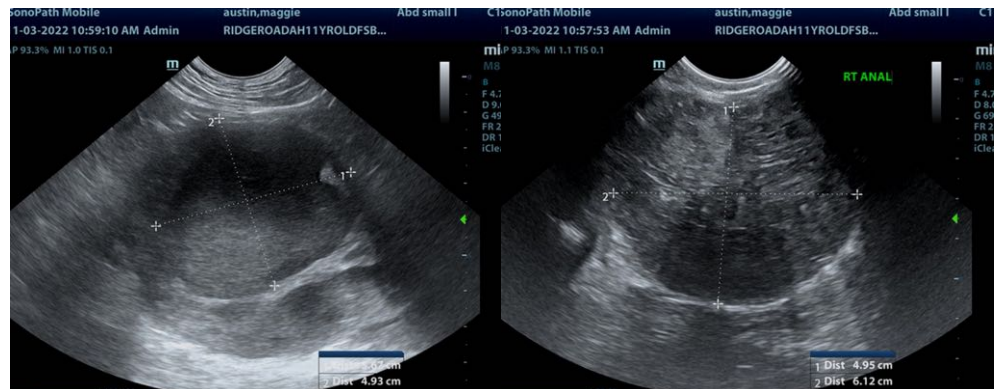
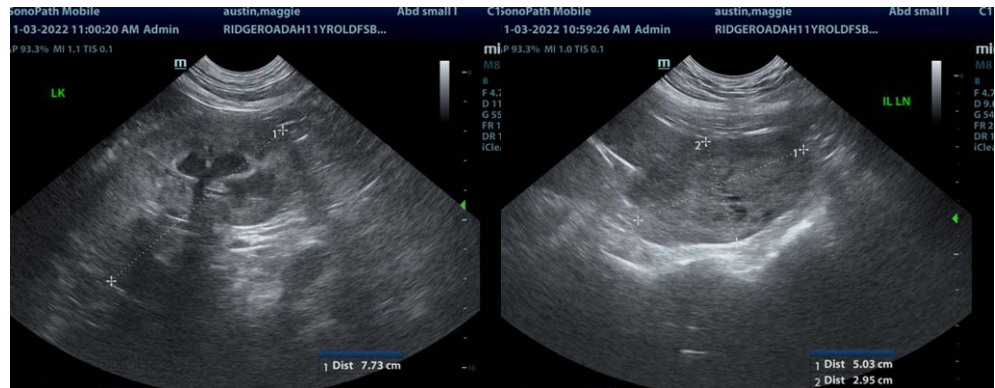
Dr. Pathak

INVOICE

42318

DATE

11/3/22





PATIENT

Maggie Austin

SPECIES

Canine

BREED

Boxer mix

SEX

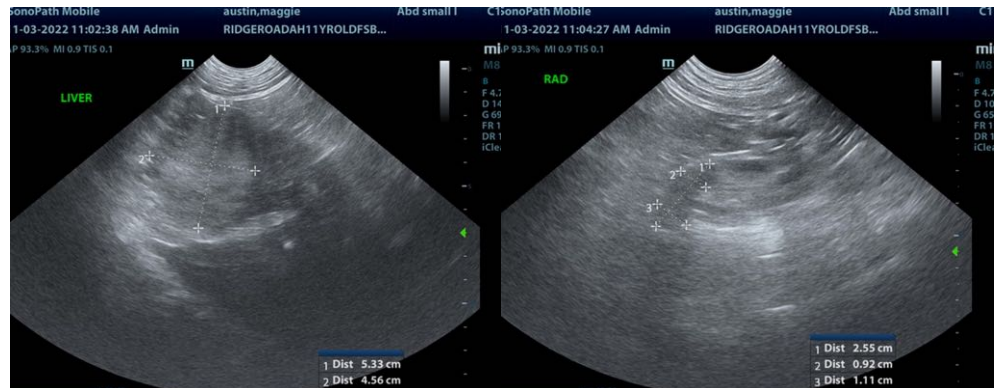
Spayed female

AGE

11 years

WEIGHT

105 lbs



INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Ridge Road AH

REFERRING VET

Dr. Pathak

INVOICE

42318

DATE

11/3/22

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

Info@SonoPath.com