



PATIENT

Annie Vagnini

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

9.5 Years

WEIGHT

25.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

American AH

REFERRING VET

Dr. Pascucci

INVOICE

35967

DATE

2/28/22

PRESENTING CLINICAL SIGNS

2mos ago lethargy, few wks ago fever and thrombocytopenia. Snap-neg, started doxy, last week febrile but now anemic and thrombocytopenia worse. Rads possible ventral abd. mass and bronchial lung pattern. Owner concerned about multifocal firm sq mass. Current meds: Doxy 100mg 3/4 tab bid, Pred 5mg bid

Abnormal PE/Chem/CBC/UA Results: HCT 28.8%, PLT 42

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 were 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 left kidney measured 4.36 cm. The right kidney measured 4.61 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 1.62 cm x 0.51 cm at the cranial pole and 0.74 cm at the caudal pole.

Spleen

The **spleen** presented a focal hypoechoic nodule measuring 0.66 cm with coarse architecture elsewhere in the spleen.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder revealed multiple polyps, not pathological.

Transdiaphragmatic view revealed multifocal lung comet tail pattern, suggestive for alveolar disease, possibly metastatic in nature.

Gastrointestinal

The **stomach** itself was unremarkable. Focal intestinal thickening noted at 1.02 cm.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain



PATIENT

Annie Vagnini

upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

Other

SPECIES

Canine

The mid abdomen revealed an undifferentiated 2.3 cm x 1.86 cm hypoechoic mass, likely of lymph node origin.

BREED

Mix

A separate undifferentiated hypoechoic lesion with surrounding hyperechoic fat noted measuring 1.32 cm x 0.96 cm in the left ovarian fossa.

Thoracic body wall revealed multifocal hypoechoic nodules.

An aortic lymph node was also enlarged, hypoechoic and irregular.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Multifocal hypoechoic nodular changes – likely of lymph node origin or undifferentiated sarcoma with splenic involvement.
- Focal intestinal thickening
- Comet tail lung pattern

AGE

9.5 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen, undifferentiated mass and thoracic nodules recommended. Multicentric sarcoma suspected. Sampling and oncological intervention recommended. Prognosis is guarded depending upon responsiveness to chemotherapy.

WEIGHT

25.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

American AH

REFERRING VET

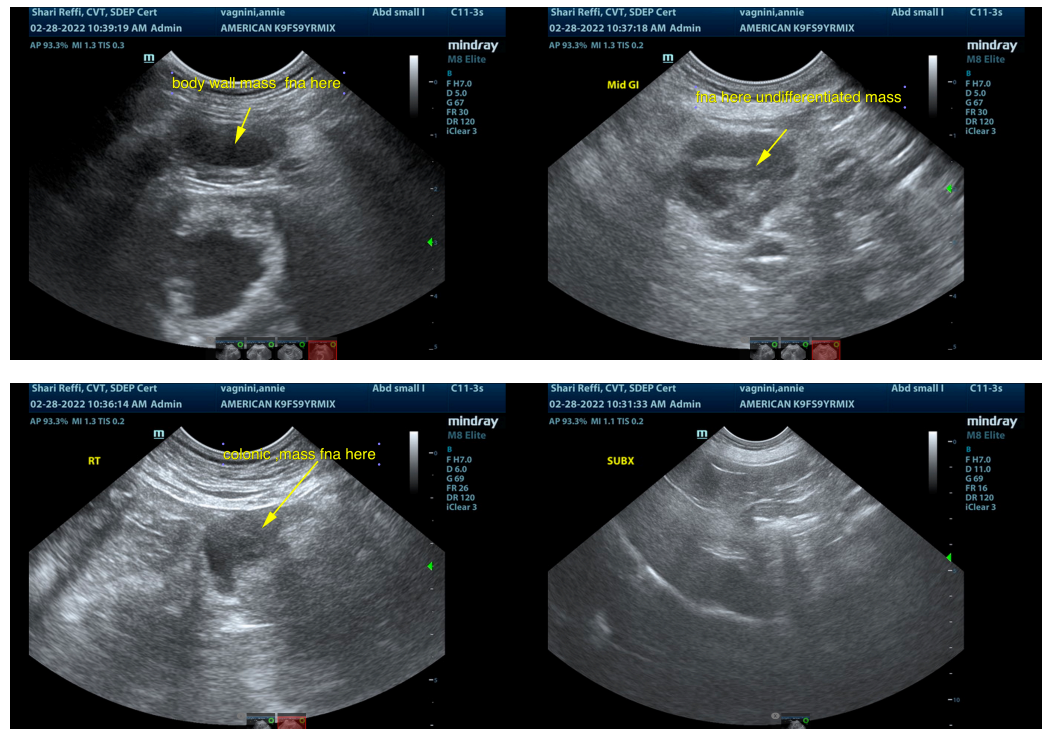
Dr. Pascucci

INVOICE

35967

DATE

2/28/22





PATIENT

Annie Vagnini

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

9.5 Years

WEIGHT

25.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

American AH

REFERRING VET

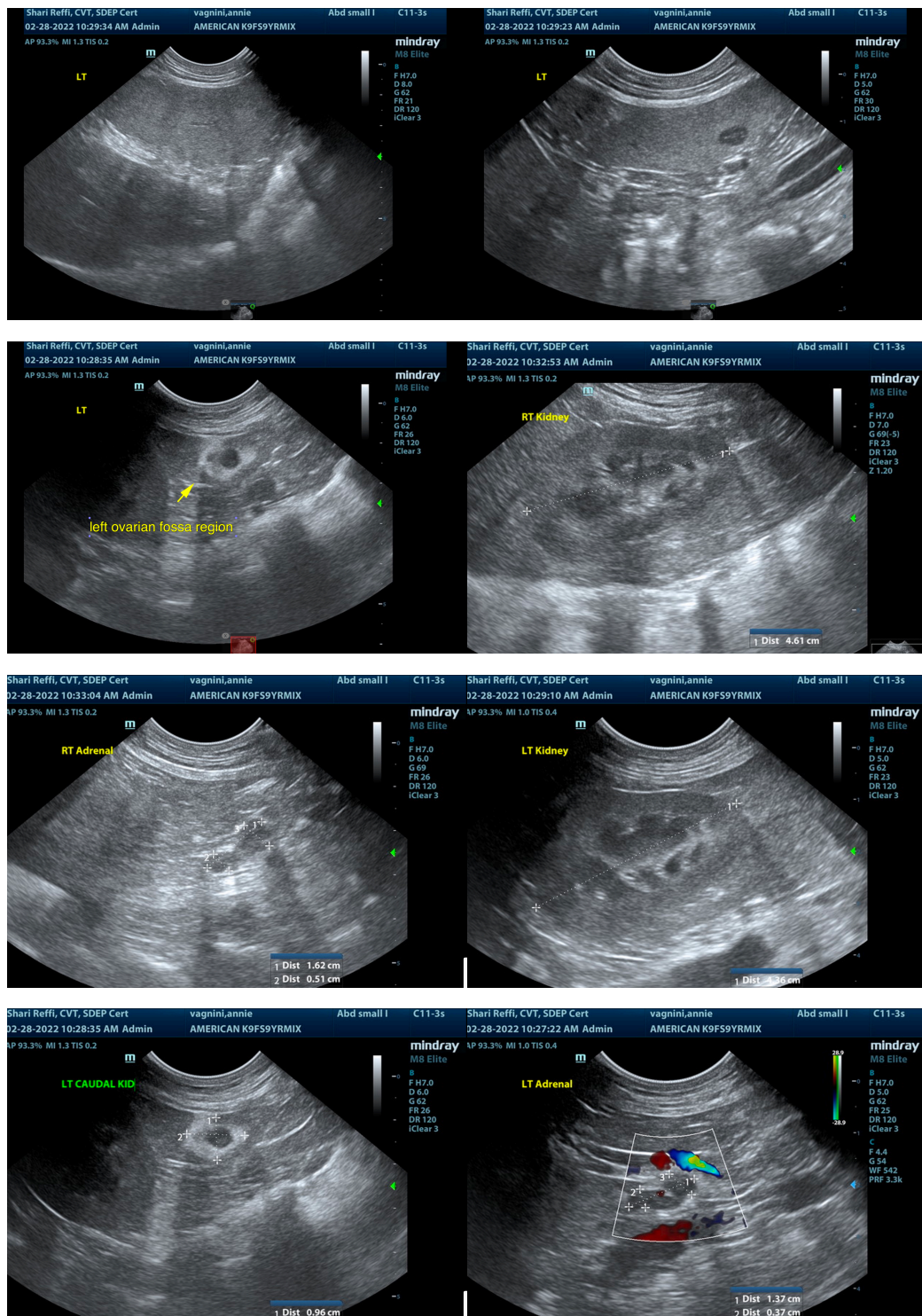
Dr. Pascucci

INVOICE

35967

DATE

2/28/22





PATIENT

Annie Vagnini

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

9.5 Years

WEIGHT

25.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

American AH

REFERRING VET

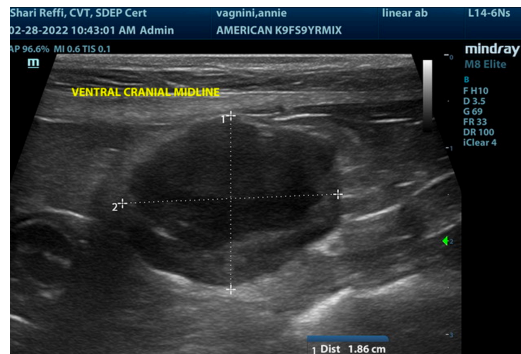
Dr. Pascucci

INVOICE

35967

DATE

2/28/22



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