



PATIENT PRESENTING CLINICAL SIGNS

Mina Hill History: elevated renal values Current meds: Enalapril, amoxicillin(lept exposure), Vit. B
Elevated renal values

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. 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.

SEX

Spayed Female

The **kidneys** revealed increased cortical echogenicity, yet was relatively normal in size. The right kidney measured 4.79 cm. The left kidney measured 5.44 cm. Blood flow to the kidneys appeared to be mildly subnormal.

AGE

12 years

Adrenal Glands

WEIGHT 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 left adrenal gland measured 2.31 x 0.54 cm at the caudal pole and 0.57 cm at the cranial pole. The right adrenal gland measured 1.53 x 0.48 cm at the caudal pole and 0.32 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** revealed a focal, hypoechoic, 0.54 cm nodule at the mid caudal body.

IMAGING PERFORMED BY

Jessica Miller, RDMS

Liver

HOSPITAL NAME

North Warren AH

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

REFERRING VET

Dr. Corrado

INVOICE Gastrointestinal

91097

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. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

DATE

8/10/21



PATIENT

Pancreas

Mina Hill

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

ULTRASONOGRAPHIC FINDINGS

BREED

Splenic nodule, likely hyperplasia.

Mix

Non-specific, mild degenerative renal changes. Acute on chronic insult is suspected.

SEX

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spayed Female

The splenic nodule should be monitored for any growth. Leptospirosis and underlying Addison's should be ruled out even though the adrenal glands appear structurally normal. 72-hour IV fluid protocol and reassessment of the azotemia is appropriate. Full urinary work-up is warranted as well as culture if any inflammatory sediment is present. Blood pressure measurements are also indicated.

AGE

12 years

WEIGHT

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

North Warren AH

REFERRING VET

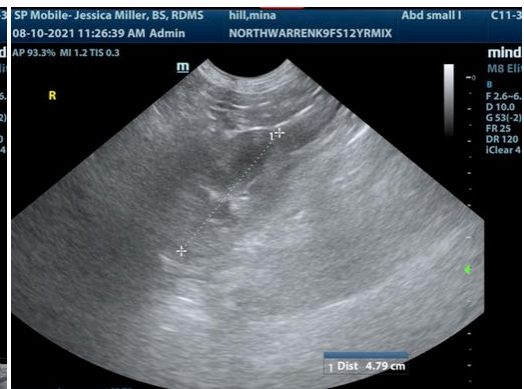
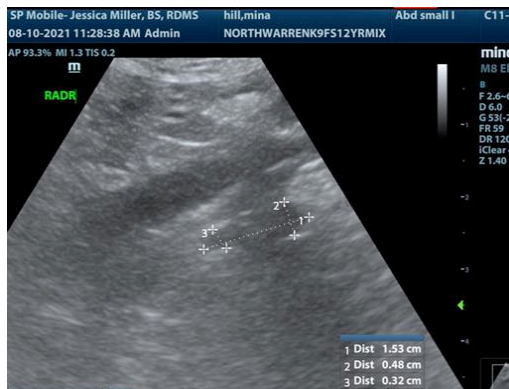
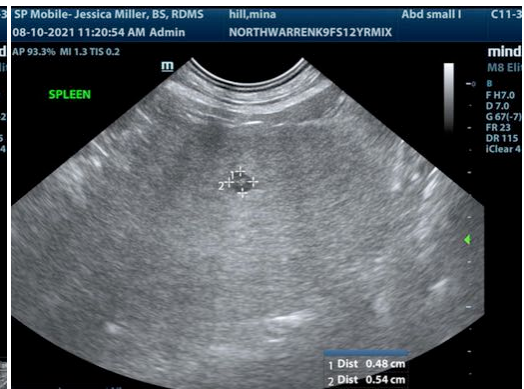
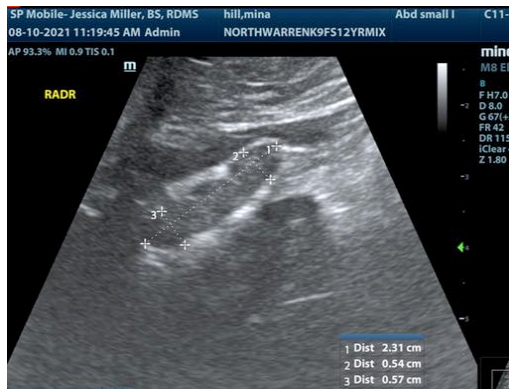
Dr. Corrado

INVOICE

91097

DATE

8/10/21





PATIENT

Mina Hill

SPECIES

Canine

BREED

Mix

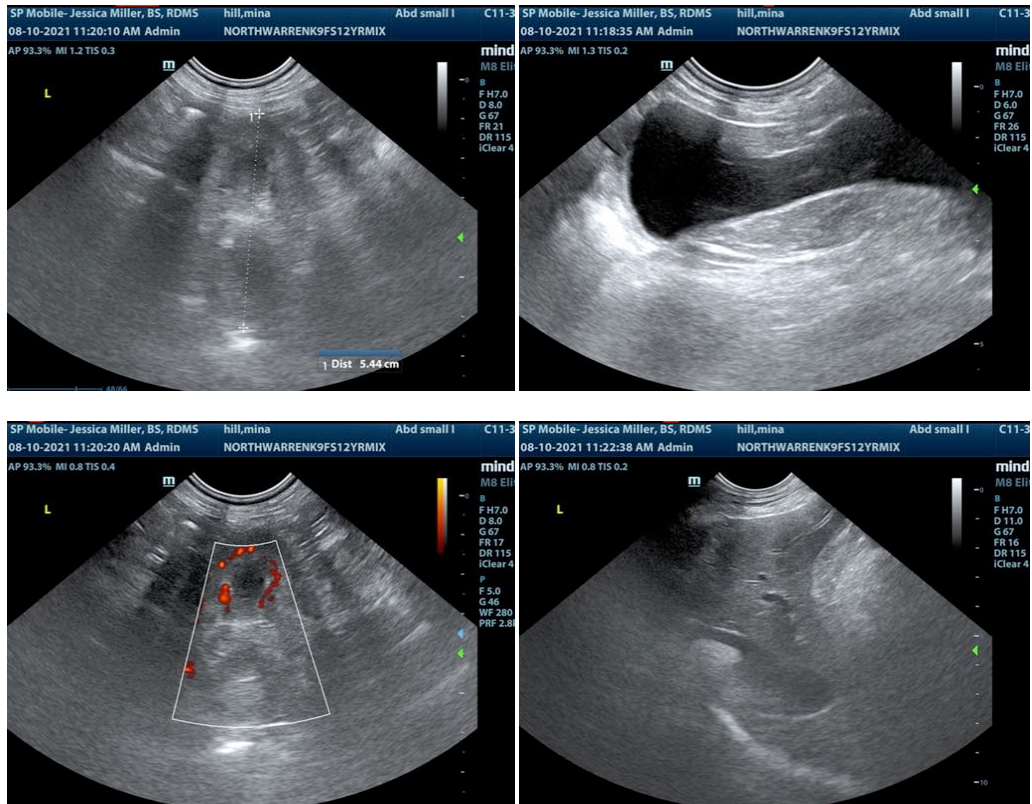
SEX

Spayed Female

AGE

12 years

WEIGHT



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

North Warren AH

REFERRING VET

Dr. Corrado

INVOICE

91097

DATE

8/10/21

The information and recommendations provided are based on the images presented by the referring veterinarian. 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