



PATIENT

Maxie Farber

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Spayed Female

AGE

5 Years

WEIGHT

40.8 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton Vet Hospital

REFERRING VET

Dr. Kim

INVOICE

36793

DATE

4/11/22

PRESENTING CLINICAL SIGNS

Renal failure, decreased appetite Current meds: cerenia, unasyn, entyce, pantoprazole, metoclopramide
Abnormal PE/Chem/CBC/UA Results: BUN 159.3, Cr 8.6, after 48hrs IVF. 4dx negative UA SG: 1.016

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 normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 6.45 cm. The right kidney measured 6.97 cm. Occasional nodular change noted in the kidney cortices.

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 2.0 cm x 0.85 cm at the cranial pole and 0.66 cm at the caudal pole.

Spleen

The **spleen** presented micronodular changes and mild irregular contour. Splenic lymph node enlargement noted at 1.06 cm.

Liver

The **liver** revealed mild increased portal markings. The gallbladder was edematous.

Gastrointestinal

The **gastric** wall was thickened and edematous, consistent with gastritis. The small intestine was mildly thickened without loss of detail. No evidence of foreign body.

Pancreas

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.

Other

Free fluid noted throughout the mid abdomen, possibly owing to passive congestion, given that the hepatic veins and vena cava were dilated. However, infiltrative disease is also a potential.

Rapid view of the heart revealed no evident pathology. However, a trace amount of pleural effusion was noted.



PATIENT

Maxie Farber

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Aggressive acute on chronic renal failure and cholangitis pattern, underlying Leptospirosis is a potential
- Ascites
- Micronodular splenic changes
- Gastrointestinal thickening
- Trace pleural effusion

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If serum albumin is less than 1.5, the free fluid may be owing to poor oncotic pressure. However, if the albumin levels are normal or above 1.5, then other complicating factors such as passive congestion or lymphatic obstruction should be considered. Prognosis is extremely guarded. Leptospirosis titers, assessment for lyme infection, GI protectants, treatment for acute renal failure, plasma transfusion all indicated. However, this is a particularly aggressive presentation. FNA of the spleen and splenic nodule as well as abdominocentesis and cytospin all indicated. Toxin exposure should also be considered.

AGE

5 Years

WEIGHT

40.8 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton Vet Hospital

REFERRING VET

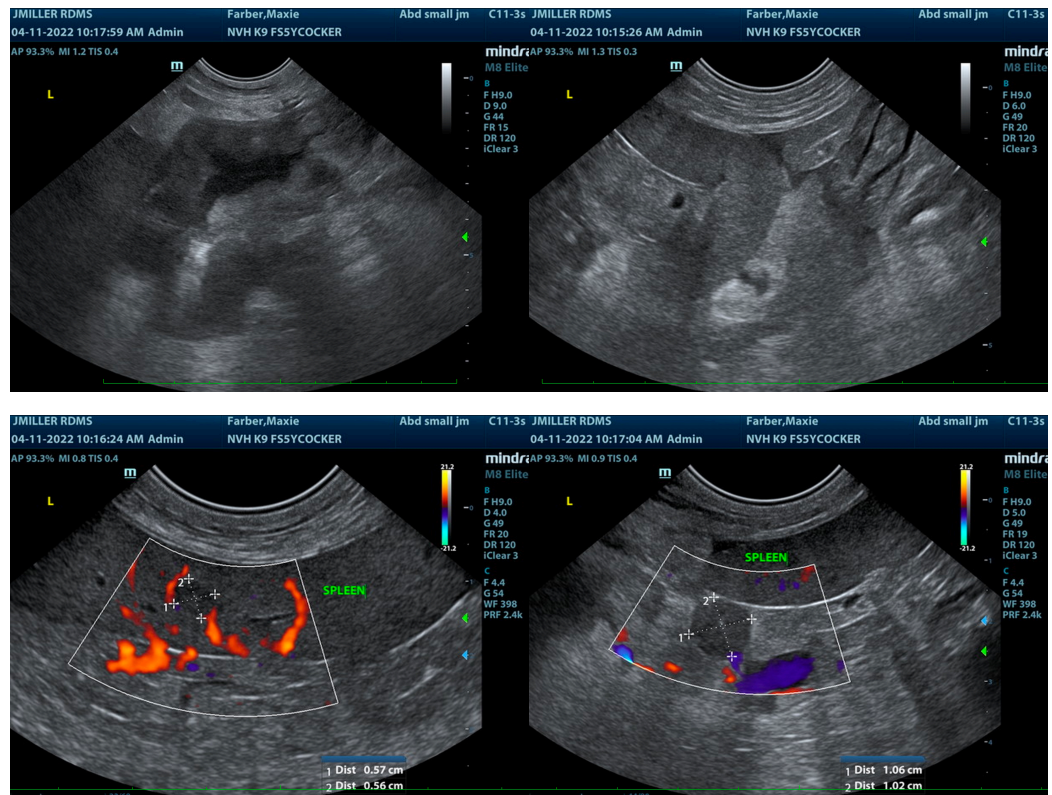
Dr. Kim

INVOICE

36793

DATE

4/11/22





PATIENT

Maxie Farber

SPECIES

Canine

BREED

Cocker Spaniel

SEX

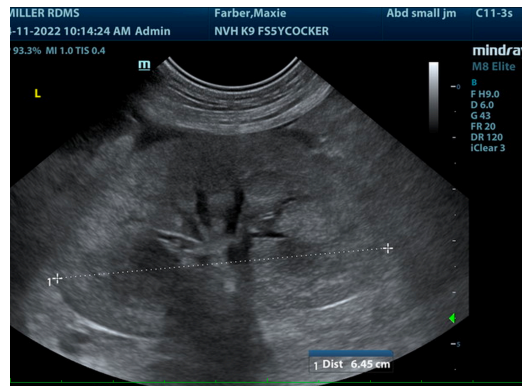
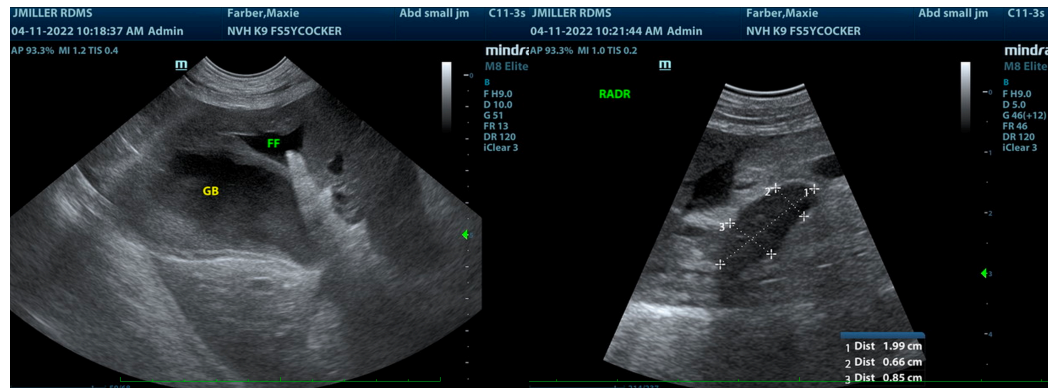
Spayed Female

AGE

5 Years

WEIGHT

40.8 Pounds



INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton Vet Hospital

REFERRING VET

Dr. Kim

INVOICE

36793

DATE

4/11/22

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