



PATIENT

Onyx Nielsen

PRESENTING CLINICAL SIGNS

Inappetence x 5 days, weight loss, Hx of azotemia. No current meds. BUN 35.1, glucose 153, ALT 1207, ALP 190, WBC 5.48, mono 0.12

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Pitbull Mix

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.

SEX

Spayed Female

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 6.6 cm. The right kidney measured 6.85 cm.

AGE

3 years

WEIGHT

51.7 lbs

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 2.45 x 1.43 cm at the cranial pole and 0.86 cm at the caudal pole. The left adrenal gland measured 2.57 x 0.48 cm at the cranial pole and 0.62 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself. This is a positional variant and is not pathological. There was no evidence of significant disease.

HOSPITAL NAME

Newton VH

Liver

The **liver** revealed slightly increased portal markings and minor subnormal size. The portal vein to vena cava ratio was 1:1. There was no evidence of intrahepatic or extrahepatic shunting. The gallbladder and common bile duct were unremarkable. History of cholangitis is likely.

REFERRING VET

Dr. Chun

INVOICE

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

DATE

2/3/22



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Pancreas

The right limb of the pancreas is hypoechoic and mildly irregular.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

Prominent pancreas.

BREED

Pitbull Mix

Minor hepatic remodeling. History of cholangitis is likely.

Minor hypersplenism, no evidence of neoplasia.

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Subxiphoid palpation is recommended to assess for pain-solicited response. If pain is noted low grade pancreatitis is suspected. Leptospirosis titers should be considered. Ampicillin, Metronidazole, nutraceuticals and IV fluid support are all indicated. FNA of the liver can be considered to assess inflammatory cell type. If ALT values remain elevated then core liver biopsy is indicated with copper evaluation for potential copper storage.

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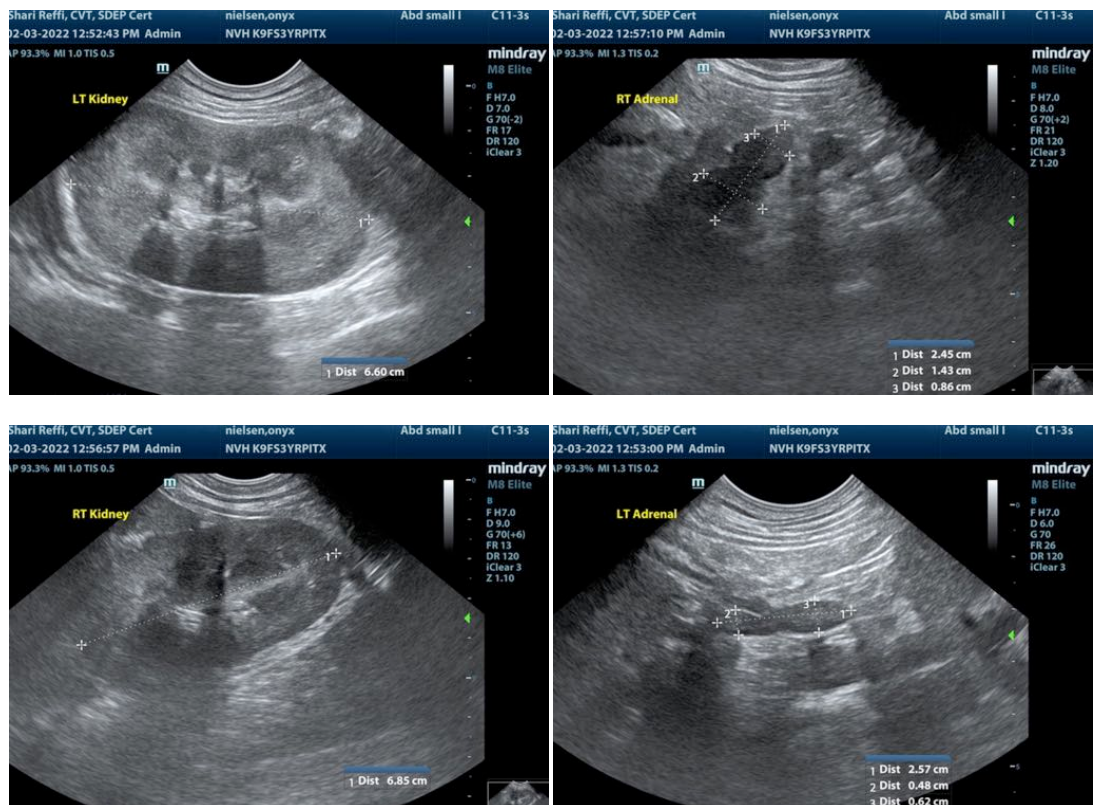
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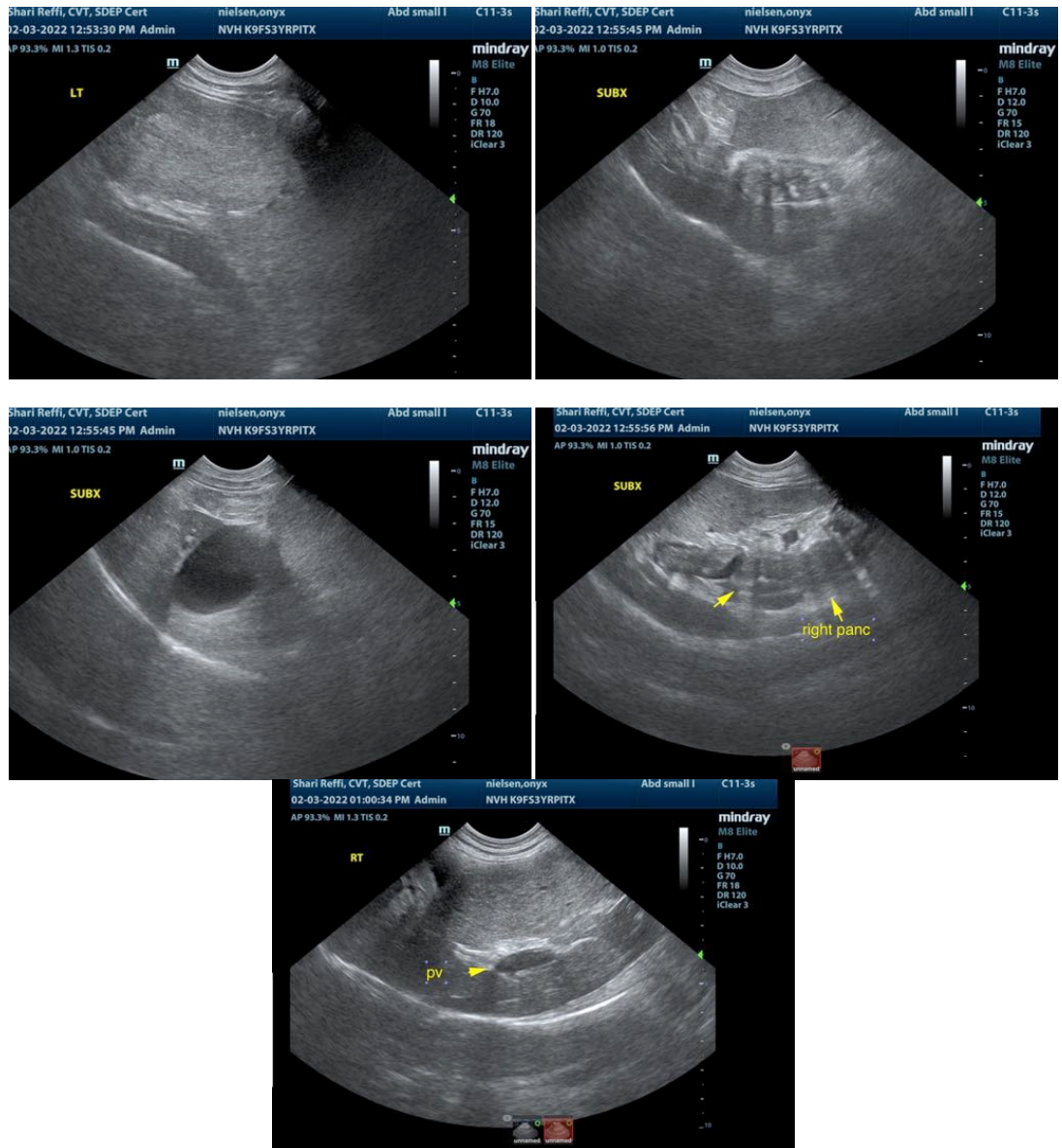
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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