



PATIENT PRESENTING CLINICAL SIGNS

Tyson Firrincili

History: elevated ALKP, RBCs on UA
Abnormal PE/Chem/CBC/UA Results: ALKP 193, trig 635, neutrophils 79; UA: protein 1+, occult blood 3+, wbcs 2-3/hpf, rbcs, squamous epithelial cells 2-3/hpf. USPG 1.020.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

BREED

Lab 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

Neutered male

The right **kidney** in this patient presented severe hydronephrosis with thin, irregular cortices and echogenic pelvic dilation. Irregular tissue was noted in the right renal cortex with significant pericapsular inflammation. The left kidney was mildly enlarged with slight, loss of corticomedullary definition and mild, irregular contour. Retroperitoneal fluid was noted around the left kidney.

AGE

11 years

WEIGHT

80 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 left adrenal gland measured 2.21 x 0.61 cm at the caudal pole and 0.59 cm at the cranial pole. The right adrenal gland measured 3.38 x 3.1 cm at the cranial pole and 0.78 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** revealed a focal, hypoechoic nodule in the caudal body measuring 1.0 cm.

IMAGING PERFORMED BY

Diane McFadden, RVT

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 presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

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Roxbury

REFERRING VET

Dr. Flia

INVOICE

42904

DATE

12/6/22

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



PATIENT

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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Pancreas

Canine

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.

BREED

Lab Mix

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered male

Cystic irregular right kidney, strong concern for carcinoma or hemangiosarcoma with regional inflammation. Potentially resectable right kidney; however, retroperitoneal space revealed fluid accumulation.

AGE

11 years

Irregular left kidney and splenic nodule.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

80 lbs

CT evaluation with ultrasound-guided FNA of the parenchymal portion of the right kidney as well as the cortex of the left kidney and splenic nodule are all indicated. Severe, chronic pyelonephritis is possible with concurrent left renal nephritis and splenic nodule or abscess. Sampling is essential in this case. Coagulation panel is warranted prior go sampling. Guarded prognosis.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

ABOUT SONOPATH CT SERVICES:

SonoPath CT Services are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/sonopath-ct-services>

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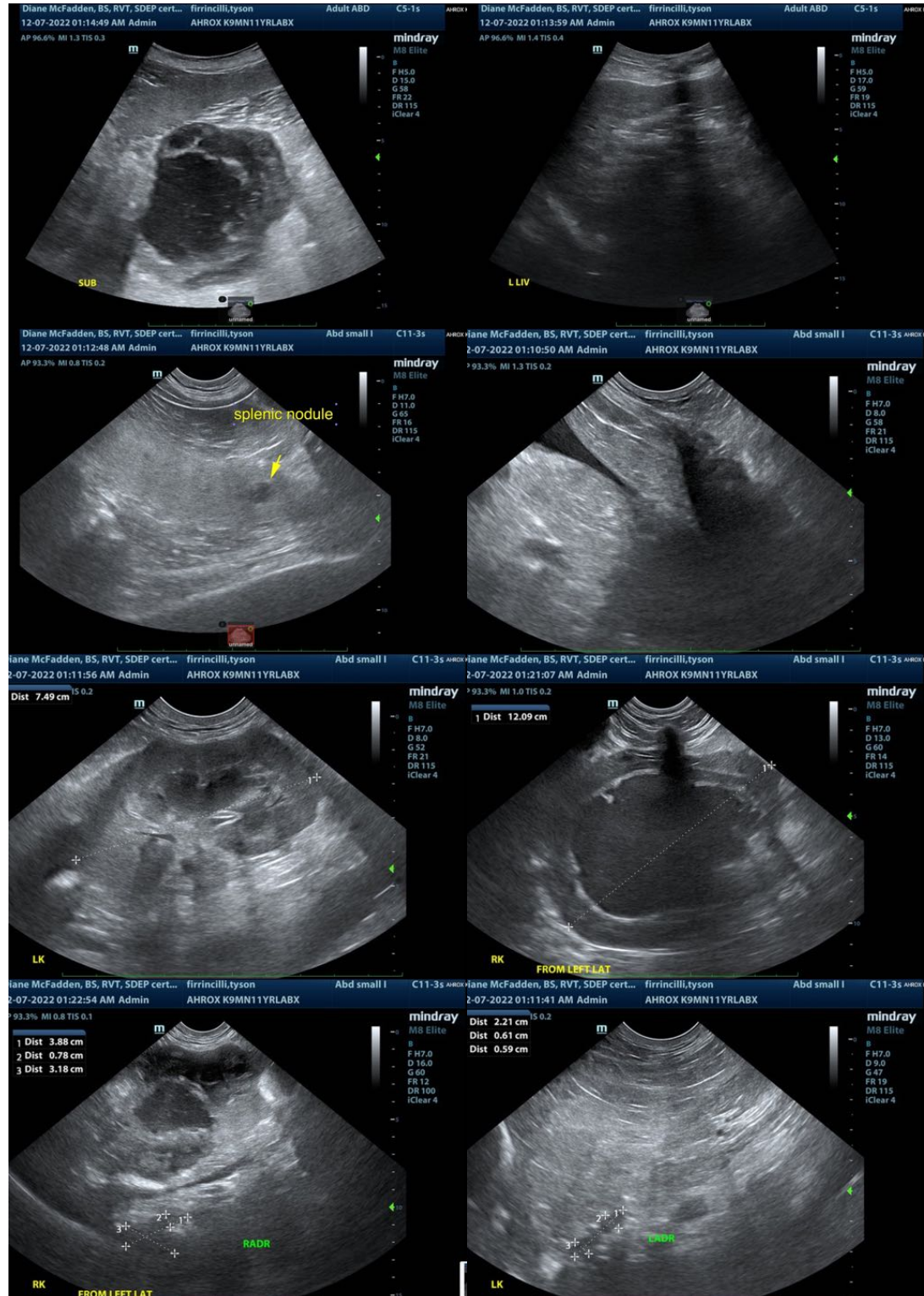
Dr. Flia

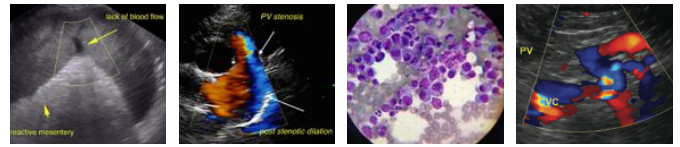
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Lab Mix

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

SEX

Neutered male

AGE

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WEIGHT

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