



PATIENT PRESENTING CLINICAL SIGNS

Lucas Lavoie History: Soft cough, tachypnea, suspect mets to chest on rads
 Abnormal PE/Chem/CBC/UA Results: 2/1/22 adult wellness WNL

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

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.

German Shepherd

SEX

The residual prostate measured 1.0 cm.

Neutered male

AGE

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 right kidney measured 8.6 cm. The left kidney measured 7.9 cm.

8 ½ years

WEIGHT

Adrenal Glands

70 lbs

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 3.26 x 0.54 cm at the caudal pole and 0.59 cm at the cranial pole. The right adrenal gland measured 3.58 x 0.77 cm at the caudal pole and 0.96 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
 DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Spleen

Jessica Miller, RDMS

The **spleen** revealed expansive, mixed, hypoechoic parenchymal mass that measured 7.0 cm. Other nodular changes were noted throughout the spleen with areas of cavitation.

HOSPITAL NAME

American AH

Liver

REFERRING VET

Dr. Stockmal

The **liver** revealed multiple, metastatic type cavitated nodules and masses. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. Comet tail lung pattern was noted through the diaphragm. This is consistent with alveolar disease.

INVOICE

98060

Gastrointestinal

DATE

4/4/22

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.



PATIENT

Lucas Lavoie

Pancreas

SPECIES

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

German Shepherd

Heart

Rapid view of the heart revealed no evidence of pathology in the right atrium.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

Splenohepatic sarcoma pattern with areas of cavitation. Probable thoracic spread.

AGE

8 ½ years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No free fluid is noted at this time; however, any of the masses could rupture at any time. Chest radiographs are warranted with 25-gauge FNA of the spleen, liver and immediate chemotherapeutic intervention is recommended.

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REFERRING VET

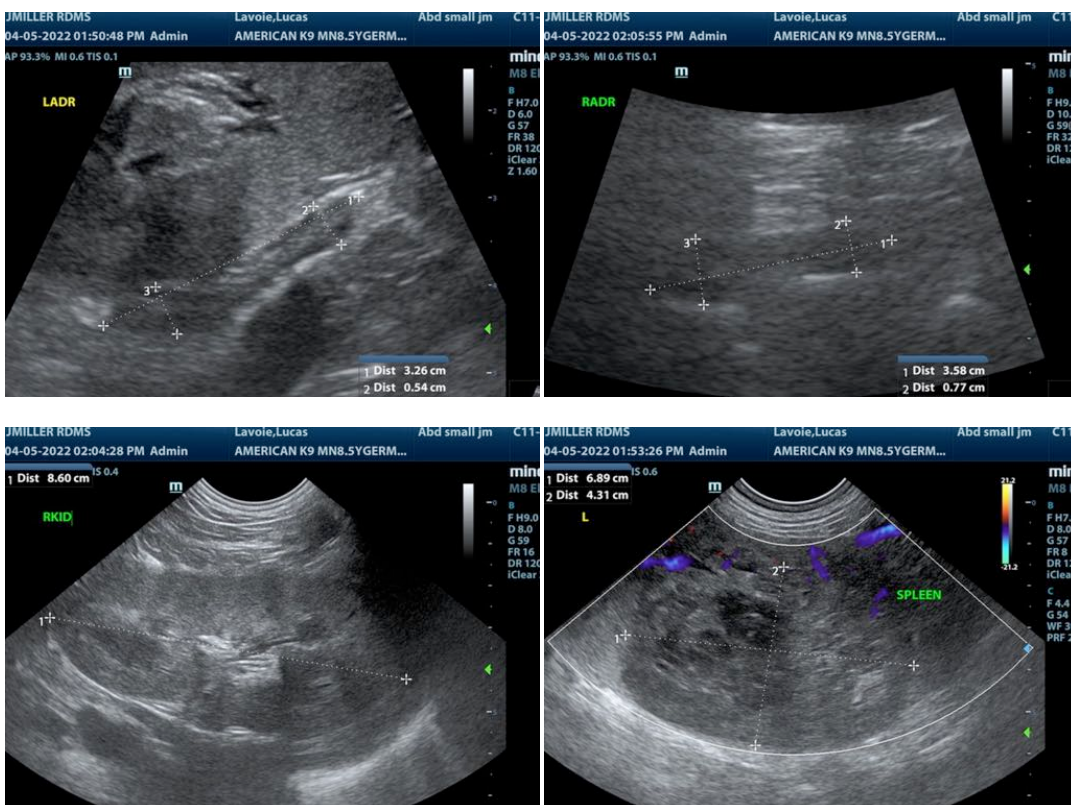
Dr. Stockmal

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SPECIES

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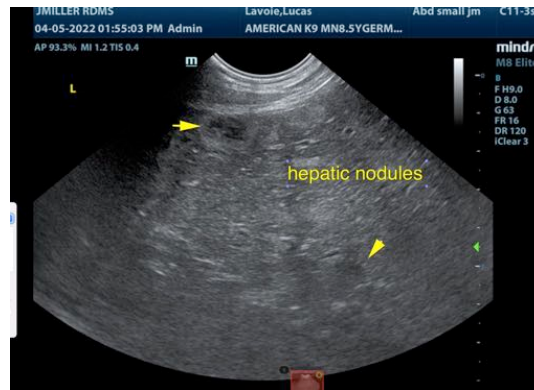
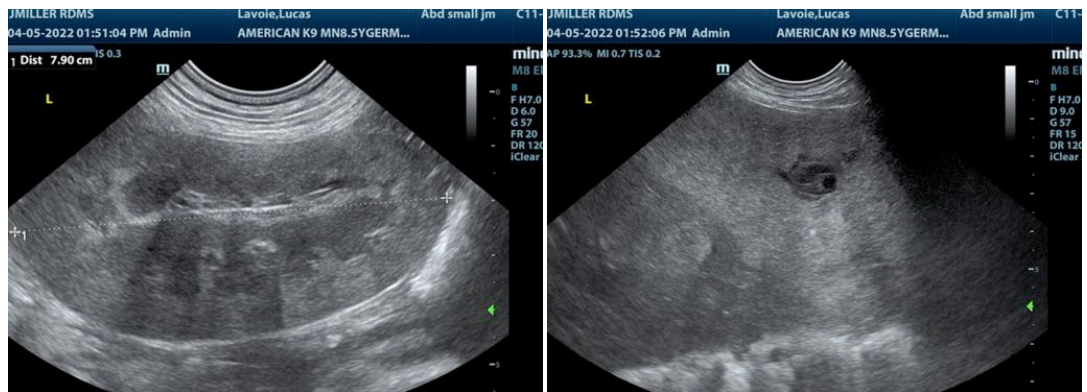
Dr. Stockmal

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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.

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