



PATIENT

Smokey Lukinuk

SPECIES

Canine

BREED

Australian Shepherd
Cross

SEX

Neutered male

AGE

4 years

WEIGHT

20 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Sanctuary VC

REFERRING VET

Dr. Warnakulasooriya

INVOICE

92252

DATE

10/8/21

PRESENTING CLINICAL SIGNS

History: Vomiting lethargic last few days mod elevation of liver enzymes. Attending was suspicious of FB

Abnormal PE/Chem/CBC/UA Results: Mild elevation liver enzymes Ca normal

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 was 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 right kidney measured 5.9 cm. The left kidney measured 5.1 cm.

Adrenal Glands

The **adrenal glands** were not visualized.

Spleen

The **spleen** was mildly enlarged with uniform, but subtly micronodular parenchyma, and undulating capsular contour. This is consistent with reactive spleen owing to immune stimulus or early infiltrative disease such as mast cell disease or lymphoma. 25-gauge FNA would be ideal if weight loss is an issue to differentiate early round cell neoplasia versus splenitis or reactive spleen all of which can present in this manner.

Liver

The **liver** revealed coarse architecture with swollen, irregular contour and increased portal markings. The liver is possibly involved in the presumed neoplastic process. The gallbladder was double layered with a minor amount of inspissated debris and an echogenic wall.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Variable intestinal thickening was noted. A mesenteric lymph node mass was noted and measured 6.0 x 2.4 cm with other regional lymph nodes that were enlarged and irregular. Other lymph nodes were noted and measured up to 2.77 x 1.27 cm.



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Regional inflammation was noted. The cranial abdominal lymph nodes were also enlarged, rounded and irregular.

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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.

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Australian Shepherd Cross

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered male

Multi-centric, round cell neoplastic pattern involving the lymph nodes, possibly the liver.

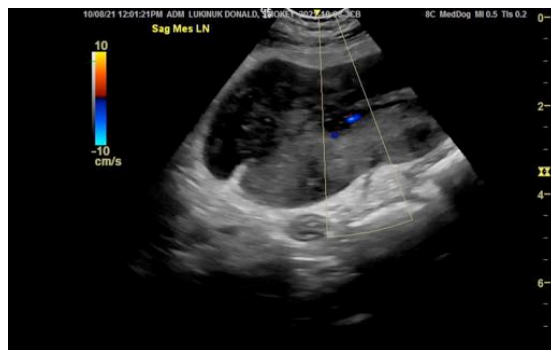
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Ultrasound-guided FNA and immediate chemotherapeutic intervention is recommended. Secondary inflammation was noted. Broad spectrum antibiotics and pain management is warranted as well as supportive care until chemotherapeutic intervention can occur. The prognosis is poor long term. Ultrasound-guided FNA of the lymph nodes, spleen and liver is warranted for screening purposes.

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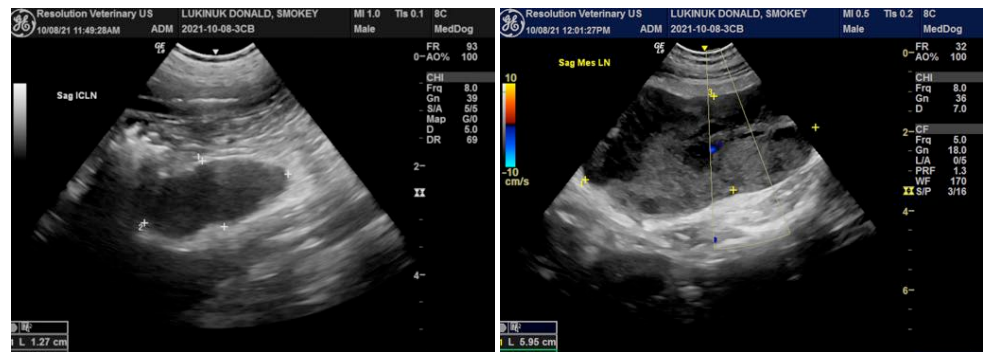
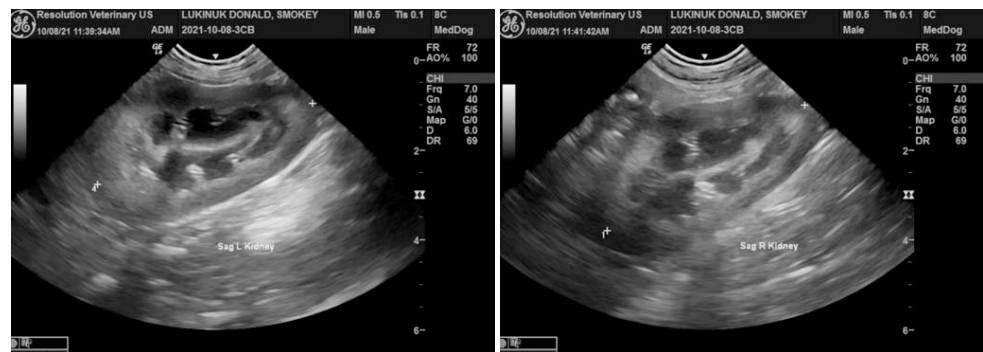
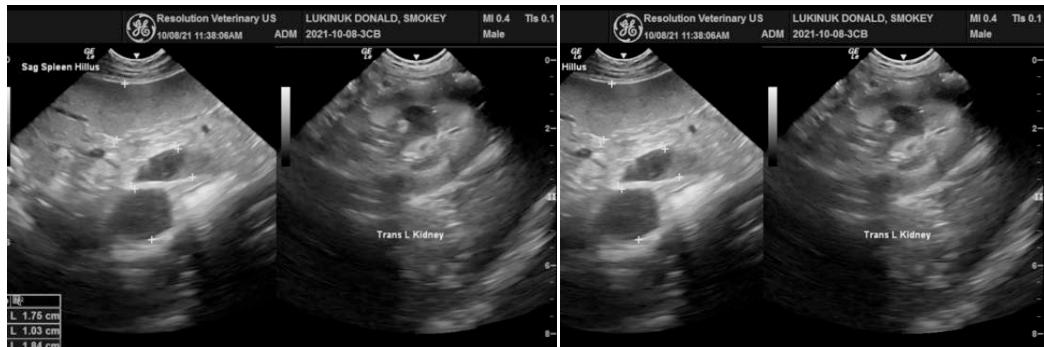
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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