



**PATIENT**

**PRESENTING CLINICAL SIGNS**

Olive Kolb

History: Dx w/ hemoabdomen at rDVM yesterday

**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.

Bull Mastiff

**SEX**

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 8.27 cm. The right kidney measured 8.48 cm.

Female

**AGE**

7 years

**WEIGHT**

**Adrenal Glands**

86 lbs

The left **adrenal gland** was 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 0.56 cm at the caudal pole and 0.42 cm at the cranial pole. The right adrenal gland was not visualized.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Brian Klug

**Spleen**

The **spleen** revealed multiple, target nodules throughout the spleen with micronodular changes and small, irregular contour.

**HOSPITAL NAME**

Sondel Family VC

**Liver**

**REFERRING VET**

Dr. Sondel

The **liver** was riddled with swollen and increased portal markings. Multiple hypoechoic nodules were noted. A hyperechoic nodule was noted in the left liver measuring 1.17 x 0.78 cm. This is consistent with infiltrative disease. The gallbladder was empty. The hepatic lymph nodes were also enlarged.

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**Gastrointestinal**

**DATE**

1/11/23

The **gastrointestinal tract** revealed gastric stasis likely owing to ileus. Minor GI thickening was noted without overt neoplastic criteria. Given the overall global state of this patient emerging GI neoplasia is likely. The mesenteric lymph nodes are enlarged and measured up to 4.0 x 2.0 cm encompassing the mesenteric artery. Regional inflammation was noted.



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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.

**Free Abdomen**

A moderate amount of free fluid was noted in the abdomen.

**ULTRASONOGRAPHIC FINDINGS**

Multi-centric round cell neoplasia. Lymphoma, histiocytic sarcoma or similar is suspected involving the spleen, lymph nodes and liver.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ultrasound-guided FNA was performed upon the mesenteric lymph node without complication. Emerging GI neoplasia is suspected. The prognosis is poor.

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**REFERRING VET**

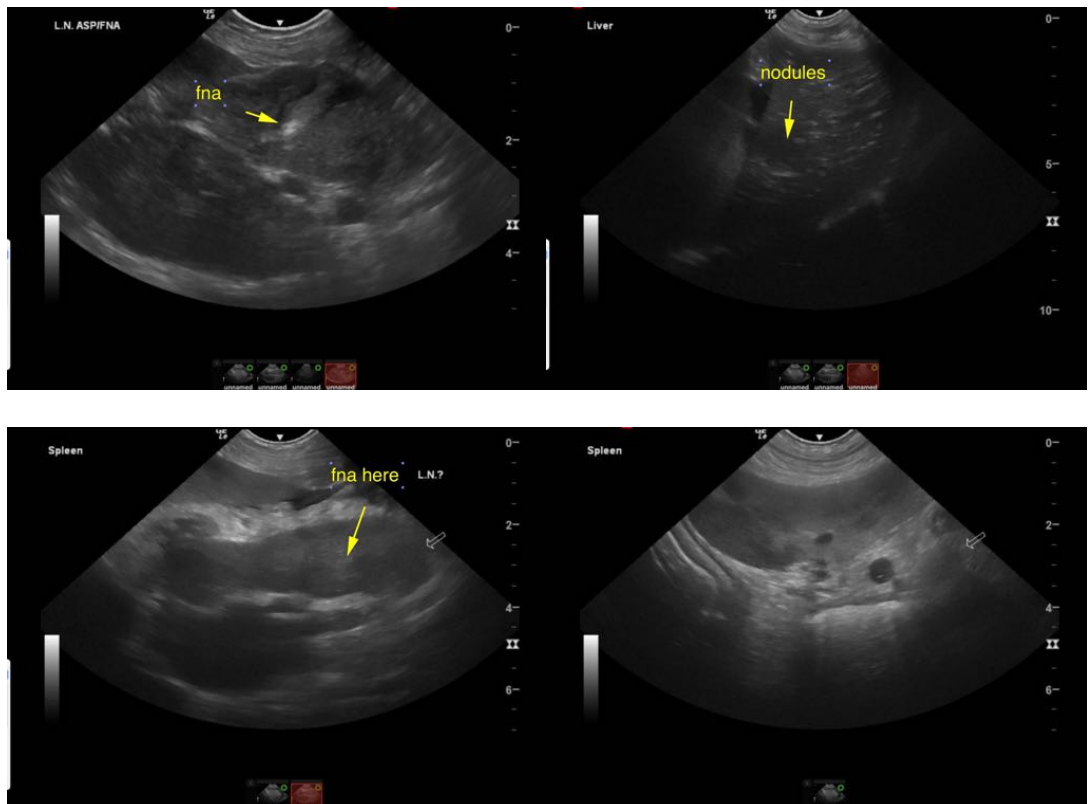
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**PATIENT**

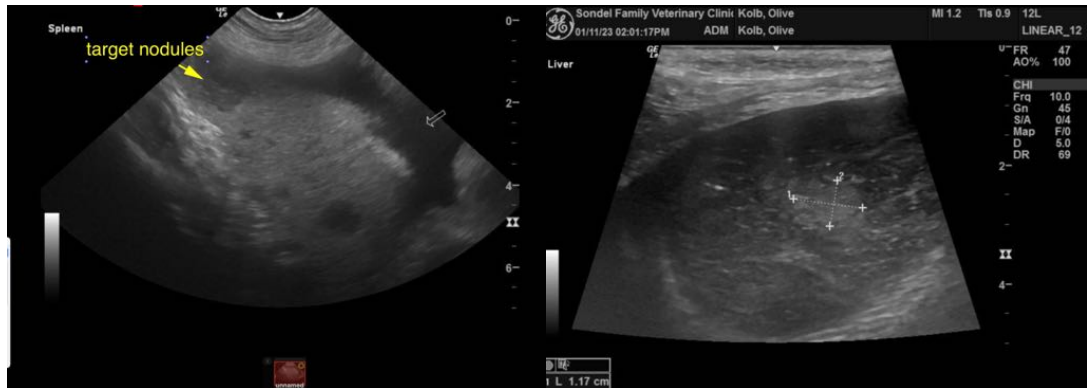
Olive Kolb

**SPECIES**

Canine

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Bull Mastiff



**SEX**

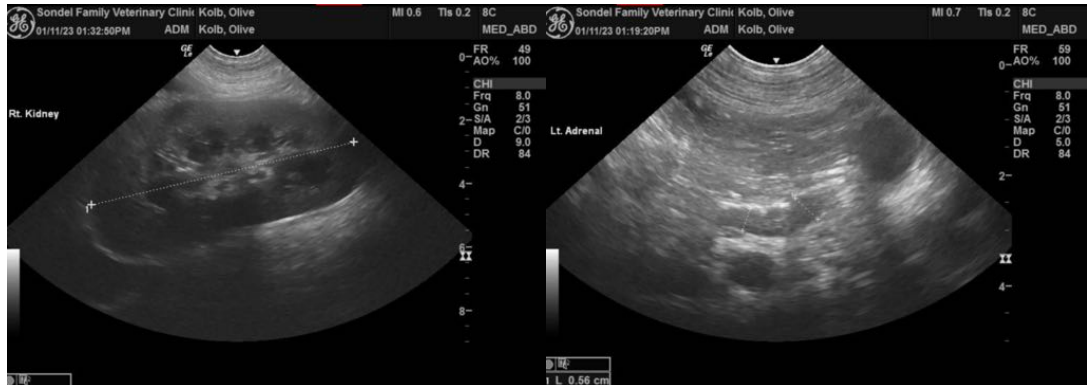
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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