



PATIENT

Klhoey Bruggink

SPECIES

Canine

BREED

Beagle

SEX

Spayed Female

AGE

13 years

WEIGHT

22.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

M Kermendy CVT

HOSPITAL NAME

Wauwautosa VC

REFERRING VET

Dr. Haynes

INVOICE

92446

DATE

10/18/21

PRESENTING CLINICAL SIGNS

History: Patient diagnosed with diffuse lymphoma in June 2021. Splenectomy preformed in September. Recent history of vomiting and diarrhea. Screening for mesenteric lymphadenopathy, GI involvement.

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** were normal in size with mild swollen contour. The cortices were thickened. The left kidney measured 6.0 cm. The right kidney measured 6.33 cm.

Adrenal Glands

The right **adrenal gland** was mildly heterogenous and measured 1.0 cm at the cranial pole and 0.5 cm at the caudal pole.

Spleen

The region of the **splenic fossa** was unremarkable other than regional lymphadenopathy.

Liver

The **liver** is uniformly enlarged with normal contour and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. A hepatic lymph node mass was noted and measured 3.0 cm. The mass was rounded, hypoechoic and irregular.

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. Trace areas of free fluid were noted.



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Pancreas

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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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Free Abdomen

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An extra abdominal lymph node was enlarged and measured 1.5 x 1.0 cm. The lymph node was hypoechoic, swollen and irregular with enhanced surrounding mesentery. This appears to be likely inguinal lymph node. Sublumbar lymph nodes and iliac lymph nodes were also enlarged. Trace areas of free fluid were noted with multi-focal, cranial abdominal lymphadenopathy. Enhanced mesentery was noted throughout the cranial abdomen.

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ULTRASONOGRAPHIC FINDINGS

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Multi-centric round cell neoplasia pattern involving multiple lymph nodes, liver, possibly kidneys and possible early GI involvement.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the abdominal presentation early renal lymphoma is a potential in this case. Immediate chemotherapeutic intervention is recommended. Cytology of the liver and lymph nodes would be warranted for further definition if necessary.

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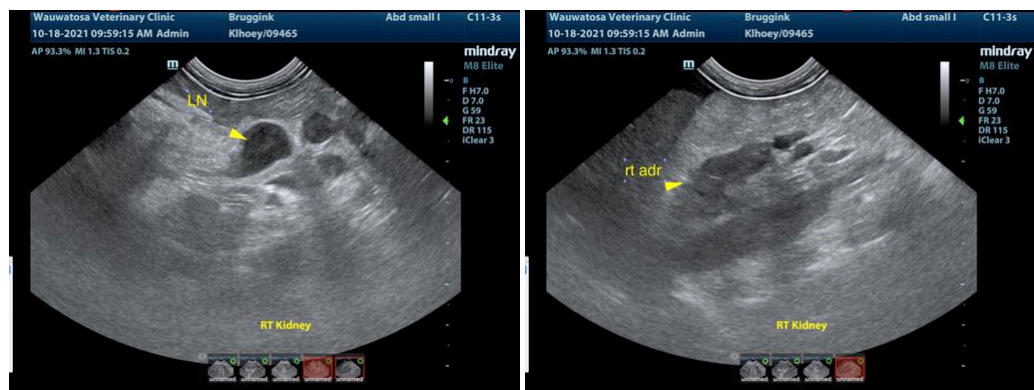
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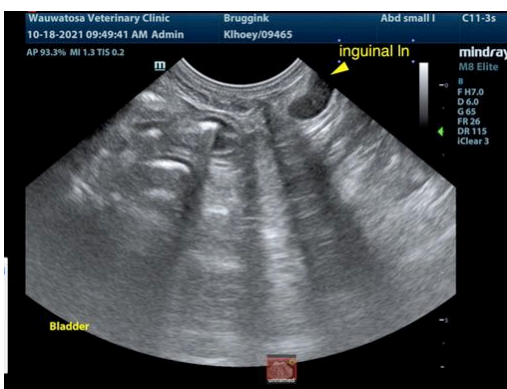
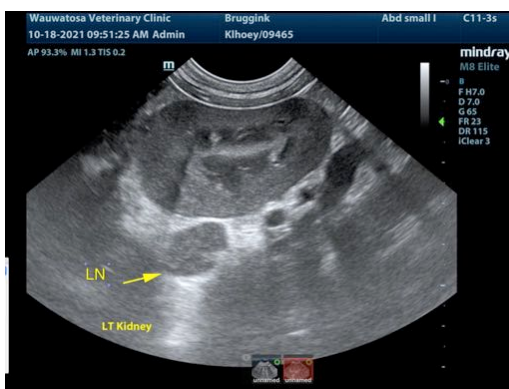
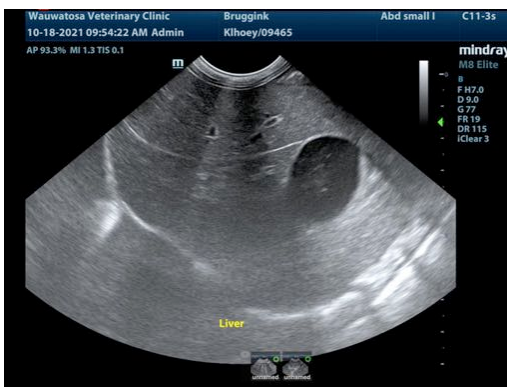
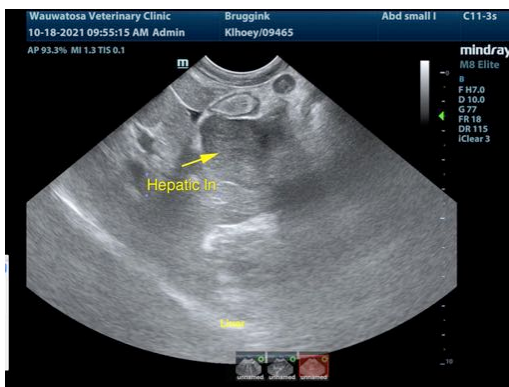
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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