



**PATIENT PRESENTING CLINICAL SIGNS**

Georgi Pasqmin History: 2<sup>nd</sup> opinion for lymphoma, multiple peripheral enlarged lymph nodes  
CBC thrombocytopenia otherwise unremarkable chem panel

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine *Urinary System*

**BREED** The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Terrier Mix

**SEX** The area of the residual prostate appeared normal and free of pathology.

Neutered Male

No evidence of pathology in the area of the aortic trifurcation.

**AGE** Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.1 cm in length. The right kidney measured 4.9 cm in length.

6 years

**WEIGHT Adrenal Glands**

25.6 Pounds

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.40 cm width at the caudal pole and 0.37 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.44 cm width at the caudal pole and 0.70 cm width at the cranial pole.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

*Spleen*

The spleen was subjectively normal in size with maintained symmetrical capsule contour and generalized honeycomb splenic parenchyma pattern exhibiting diffuse hypoechoic nodular changes. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

*Liver / Gallbladder*

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**HOSPITAL NAME**

Pocono Peak VC

*Gastrointestinal*

**REFERRING VET**

Dr. Thompson

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

**INVOICE**

49374

Normal visible colon wall layers were present with apparent formed feces in lumen.

*Pancreas*

**DATE**

1.7.2022



**PATIENT**

Georgi Pasqmin

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

**SPECIES**

Canine

**Free Abdomen**

Multiple inguinal, medial iliac, and hepatic lymph nodes were present. The lymph nodes exhibited symmetrical to rounded margination with abnormal width: length ratio (>0.5). The enlarged lymph nodes were bordered by echogenic to reactive mesentery. Example of a medial iliac lymph node measured 2.1 x 1.2 cm. Example of a hepatic lymph node measured 2.6 x 1.3 cm.

**BREED**

Terrier Mix

Concurrent mild mid abdominal jejunal or splenic lymphadenopathy also present.

**SEX**

Neutered Male

No overt peritoneal effusion was present.

**AGE**

6 years

**ULTRASONOGRAPHIC FINDINGS**

- Honeycomb splenic pattern.
- Multicentric inguinal, hepatic, medial iliac, and minor jejunal/splenic lymphadenopathy primarily exhibiting abnormal width to length ratio greater than 0.5.

**WEIGHT**

25.6 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The honeycomb splenic pattern combined with multicentric hypoechoic to swollen inguinal, medial iliac, hepatic, and minor jejunal/splenic lymphadenopathy consistent with multicentric lymphoma. Ultrasound guided FNA of the spleen and enlarged inguinal or medial iliac lymph node using a 25 gauge needle recommended for further staging with potential for oncology consult in conjunction with peripheral lymphadenopathy. Overt evidence of hepatic, renal, or gastrointestinal involvement was not present.

**INTERPRETED BY**

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**REFERRING VET**

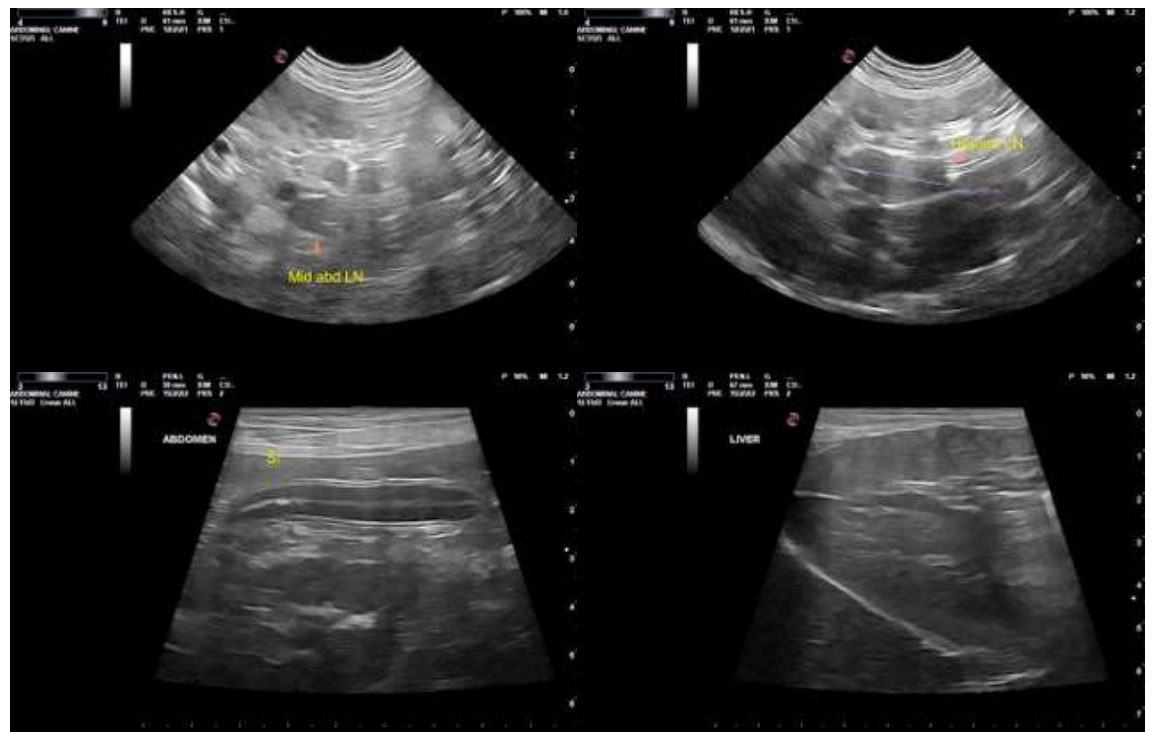
Dr. Thompson

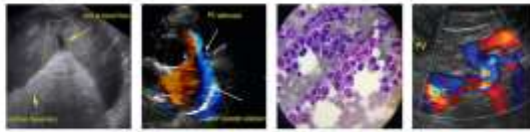
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**PATIENT**

Georgi Pasqmin

**SPECIES**

Canine

**BREED**

Terrier Mix

**SEX**

Neutered Male

**AGE**

6 years

**WEIGHT**

25.6 Pounds

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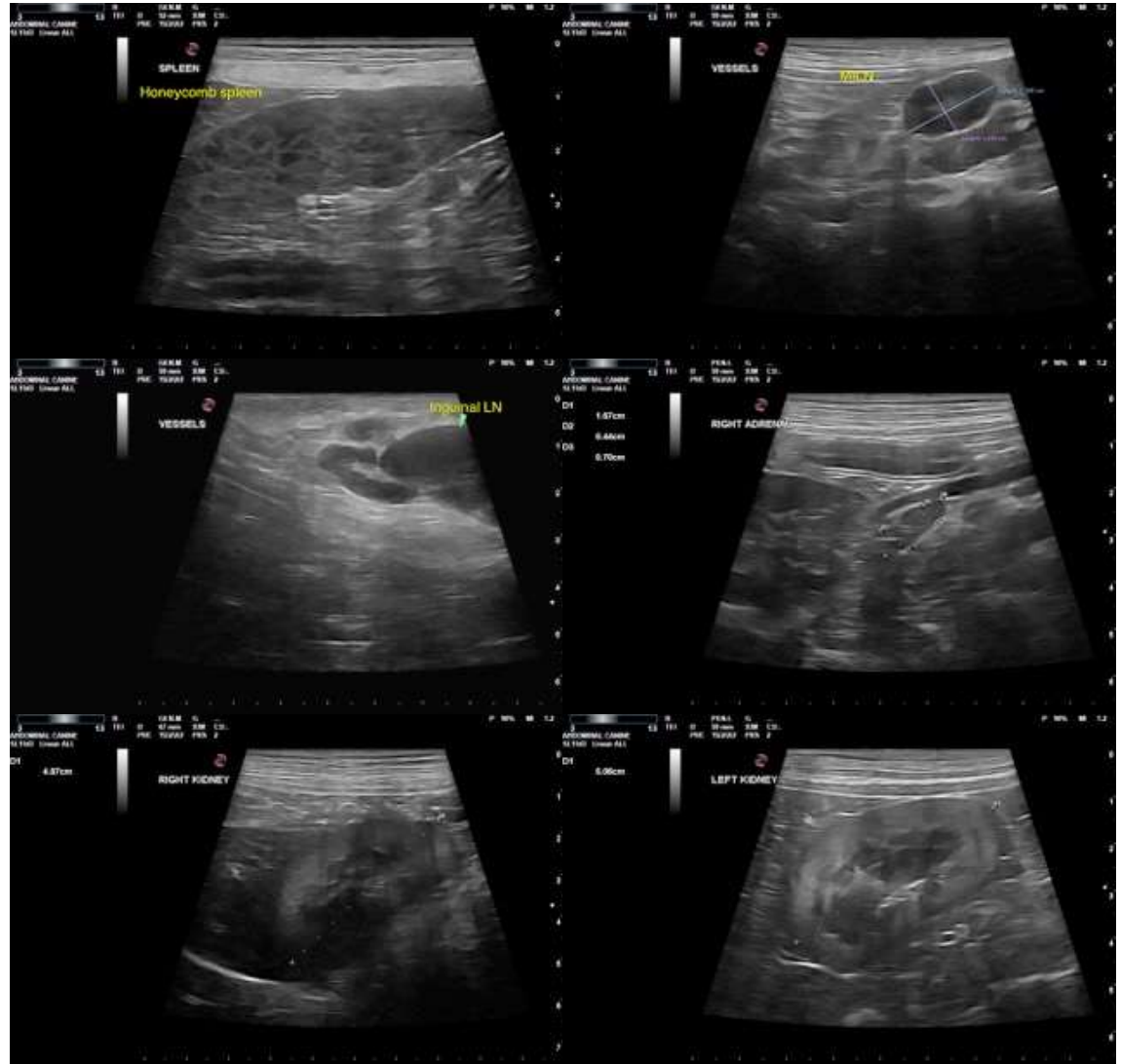
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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