

PATIENT PRESENTING CLINICAL SIGNS

Axel Audifred History: Recent lymphoma diagnosis

SPECIES Medication: Metronidazole, Cerenia

Canine Increased WBC count and anemia

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

German Shepherd **Urinary System**

SEX The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

Neutered Male

AGE The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 1.5 cm in diameter.

6 years

WEIGHT Normal size and margination were 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 8.8 cm in length. The right kidney measured 7.3 cm in length.

58 Pounds

INTERPRETED BY Adrenal Glands

R. McKenzie Daniel, DVM, DABVP (Canine and Feline) The left and right adrenal glands were not definitively visualized owing to regional periadrenal pathology.

IMAGING Spleen

PERFORMED BY Generalized splenomegaly was present exhibiting multifocal, expansive, asymmetrical to hypoechoic masses. An example of a splenic mass measured 6.0 cm in diameter.

Rebekah Jakum, CVT ARDMS/RVT

HOSPITAL NAME Liver/ Gallbladder

Pocono Peak VC The liver exhibited subjective mild generalized enlargement. The parenchyma of the liver was subjectively increased in echogenicity compared to the spleen and renal cortices. The echotexture of the liver parenchyma was uniform with a mild coarse echotexture. The capsule of the liver was symmetrical in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. Moderate, nondependent yet nonorganized gallbladder debris was present. The gallbladder was otherwise normal. The cystic and common bile ducts were normal.

REFERRING VET

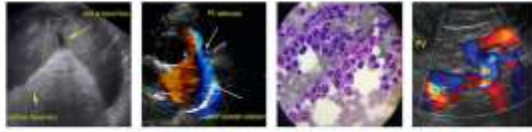
Dr. Thompson

INVOICE Gastrointestinal

12959 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.

DATE

1.4.2022



PATIENT

Axel Audifred

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.

SPECIES

Canine

The colon walls presented intact yet mild prominent wall layering with mild thickened to echogenic submucosa. Generalized colon distention with non-formed to liquid feces was present.

BREED

German Shepherd

Pancreas

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 were evident.

SEX

Neutered Male

Free Abdomen

A large, ill-defined, hypoechoic mass occupying the majority of the mid to caudal abdomen, as well as surrounding the iliac trifurcation was present. This mass measured approximately 10.0 cm x 6.0 cm, but likely larger as the entire mass would not fit into a single viewing window. Potential for multiple to coalescing masses likely of lymphatic origin is probable. Concurrent hypoechoic to nonhomogeneous swollen mesenteric lymph nodes were present within the mid-abdomen. An example of a mesenteric lymph node measured 3.9 cm x 3.1 cm. Small pockets of scant peritoneal free fluid, as well as generalized reactive mesentery, were present.

AGE

6 years

WEIGHT

58 Pounds

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Large, expansive, mid to caudal abdominal mass
- Large expansive mass surrounding the iliac trifurcation
- Concurrent swollen nonhomogeneous mesenteric lymphadenopathy
- Multifocal splenic masses
- Mild hepatomegaly exhibiting mild parenchyma hyperechogenicity
- Scant peritoneal free fluid
- Colitis

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although sampling is required for further clarification, the sonographic abnormalities, given the previous diagnosis of high-grade lymphoma, is consistent with multifocal, Intraabdominal high-grade lymphoma involving the spleen, generalized mid to caudal abdominal cavity, medial iliac hypogastric and sublumbar lymph nodes, as well as the potential involvement of the liver and gastrointestinal tract.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Pocono Peak VC

REFERRING VET

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Assuming normal clotting status, ultrasound-guided FNA of a splenic mass, as well as abdominal mass using a 25-gauge needle for further staging and potential oncology consultation could be considered. However, unfortunately, an unfavorable prognosis is likely indicated.

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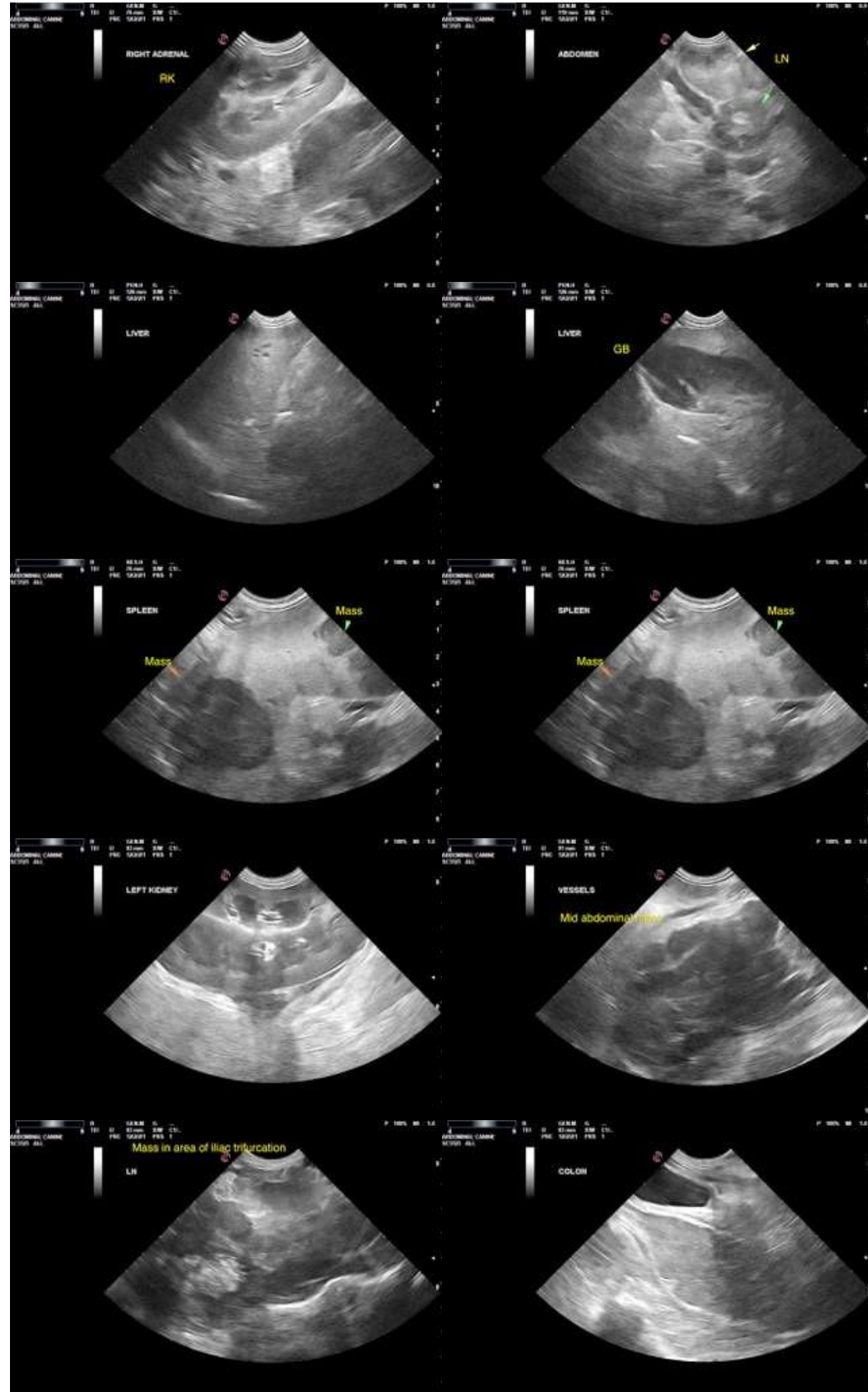
Dr. Thompson

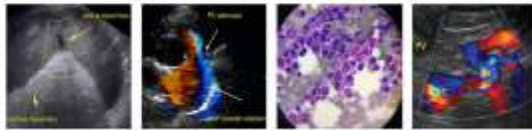
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Axel Audifred

SPECIES

Canine

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.

BREED

German Shepherd

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.

SEX

Neutered Male

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

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