



PATIENT	PRESENTING CLINICAL SIGNS
Daisy Salmon	Ventral abdominal dermatitis. Lethargy, anorexia, enlarged peripheral and abdominal Lymph nodes.
SPECIES	Abnormal PE/Chem/CBC/UA Results: WBC: 30.7, Neut: 17.85, Lymph: 2.2, mono: 10.53, SDMA: 26, Amylase: 1777, lipase: 1196
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Golden Retriever	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.
SEX	Kidneys
FS	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Caudolateral left kidney cortical infarct was present. The left kidney measured 6.8 cm in length. The right kidney measured 5.7 cm in length
AGE	Aortic Trifurcation
9yr	The area of the aortic trifurcation was free of pathology.
WEIGHT	Adrenal Glands
68lb	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole and 2.4 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.73 cm width at the caudal pole and 2.6 cm length.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen was normal in size with maintained symmetrical capsule contour. Multifocal, small to discrete, hypoechoic nodules were present diffusely throughout the parenchyma without associated capsule impingement or distortion. A mildly expansive solid hypoechoic cranial splenic nodule was present with associated mild capsule distortion measuring ~ 3.0 cm in diameter. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.
IMAGING PERFORMED BY	Liver
Dr. Rodriguez	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.
HOSPITAL NAME	Gastrointestinal
Foxfield Veterinary Services	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate ingesta exhibiting subtle progressive distal acoustic shadowing with no signs of ileus, obstruction or foreign material.
REFERRING VET	Small Intestine
Dr. Rodriguez	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.
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PATIENT

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

Daisy Salmon

Pancreas

SPECIES

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.

Canine

Free Abdomen

BREED

No omental masses or peritoneal effusion was present.

Golden Retriever

Enlarged, hypoechoic mesenteric and medial iliac root 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. The mesenteric root lymph nodes measured 4.0 cm length and 2.6 cm width.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

AGE

9yr

- Multicentric hypoechoic to swollen mesenteric and medial iliac lymphadenopathy
- Micronodular spleen with mildly expansive cranial nodule
- Minor hepatic parenchymal remodeling
- Unremarkable GI tract with gastric ingesta
- Potential low-grade pancreatitis-may present sonographically normal

WEIGHT

68lb

Secondary findings

- Bilateral chronic renal changes with left kidney infarct

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The enlarged hypoechoic to swollen intra-abdominal and medial iliac lymphadenopathy in combination with micronodular splenic changes and splenic nodule is consistent with multicentric neoplasia with primary concern for multicentric lymphoma. Assuming normal clotting status and using a 25g needle, an enlarged intra-abdominal or peripheral lymph node and spleen FNA for screening cytology is warranted for further assessment and potential oncology consult.

IMAGING PERFORMED BY

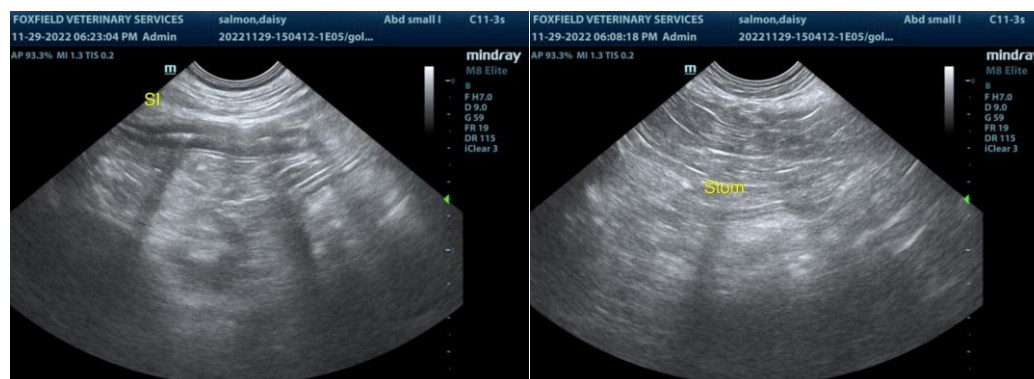
Dr. Rodriguez

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Daisy Salmon

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Golden Retriever

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AGE

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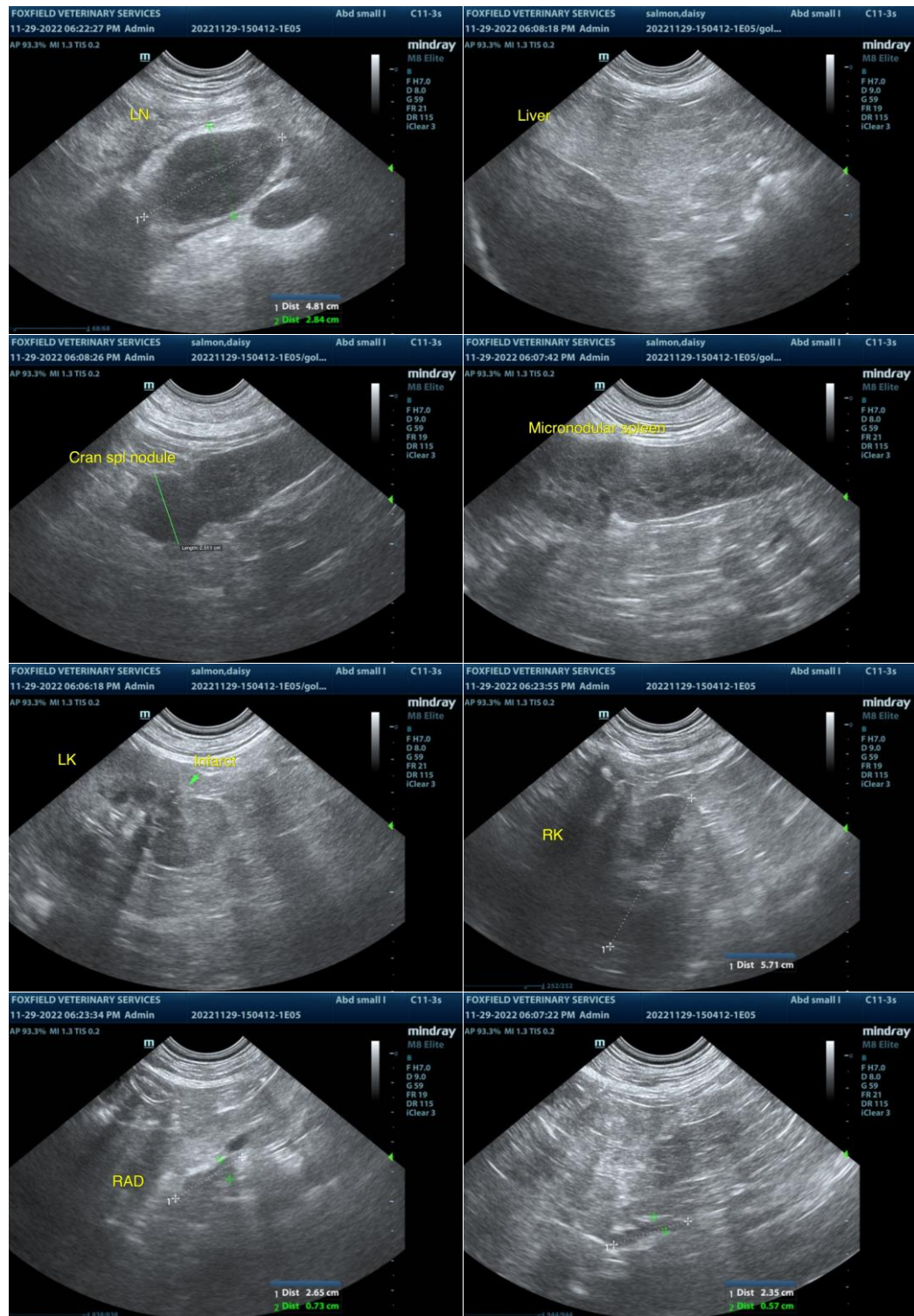
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance, please contact me.

Daisy Salmon

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

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9yr

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