



PATIENT

Ellie Carroll

SPECIES

Canine

BREED

Boxer

SEX

Spayed Female

AGE

10 Years 7 Months

WEIGHT

55.6

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Vincent Ravancho, CVT

HOSPITAL NAME

Flanders VC

REFERRING VET

Dr. Cheng

INVOICE

35015

DATE

12/22/25

PRESENTING CLINICAL SIGNS

History: Inappetance, Gastrointestinal Symptoms, Neoplasia Clinical findings: Lymph node enlargement- submandibular.

Abnormal PE/Chem/CBC/UA Results: ALT 585 AST 115 ALK 169

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 were noted. Ureteral papillae were normal.

The **iliac lymph nodes** were enlarged and rounded, measuring up to 2.5 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex, and no evidence of pelvic dilation was present. The right kidney measured 5.5 cm. The left kidney measured 5.3 cm.

Adrenal Glands

Both **adrenal glands** were 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 2.12 cm x 0.7 cm at the caudal pole and 0.5 cm at the cranial pole. The right adrenal gland measured 2.98 cm x 0.83 cm at the cranial pole and 0.51 cm at the caudal pole.

Spleen

The **spleen** was enlarged, hypoechoic, and irregular, strongly consistent with infiltrative disease. Enhanced surrounding mesentery was noted.

Liver

The **liver** was swollen and irregular with increased portal markings. Hepatic lymphadenopathy was noted. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

Variable areas of **gastrointestinal** thickening were noted. The colon was unremarkable.

Pancreas



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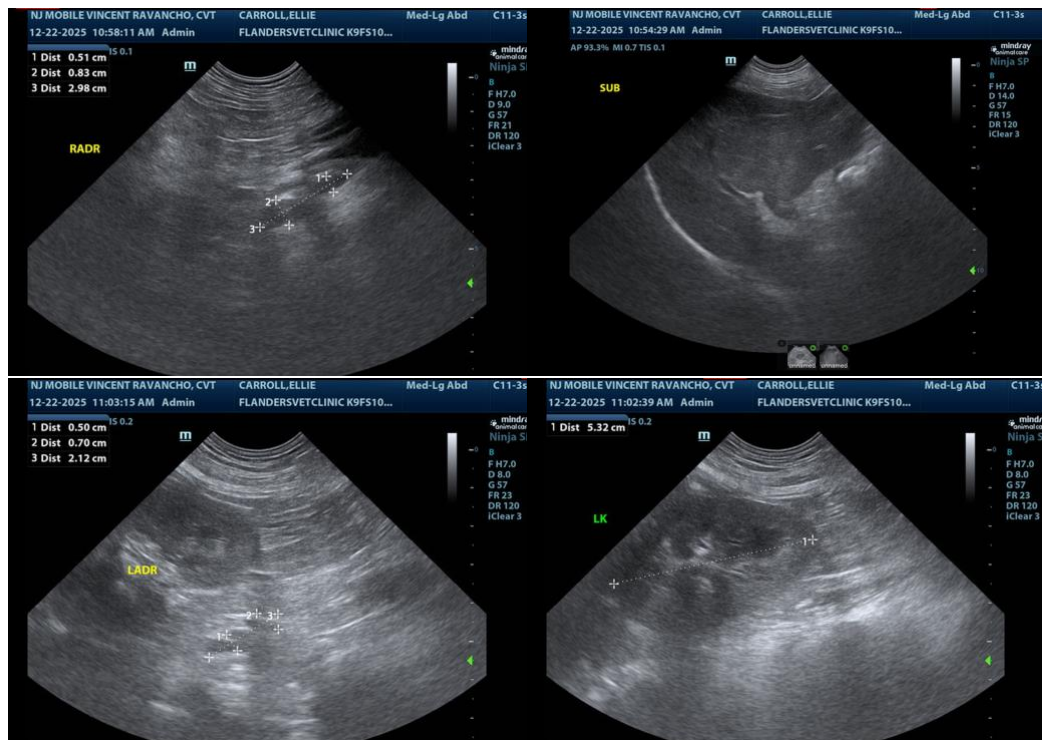
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Multicentric lymphoma pattern involving lymph nodes, spleen, and liver.
- Variable areas of gastrointestinal thickening
- Age-related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of all three of these organs (lymph nodes, spleen, and liver) would be ideal. Immediate chemotherapeutic intervention is warranted.





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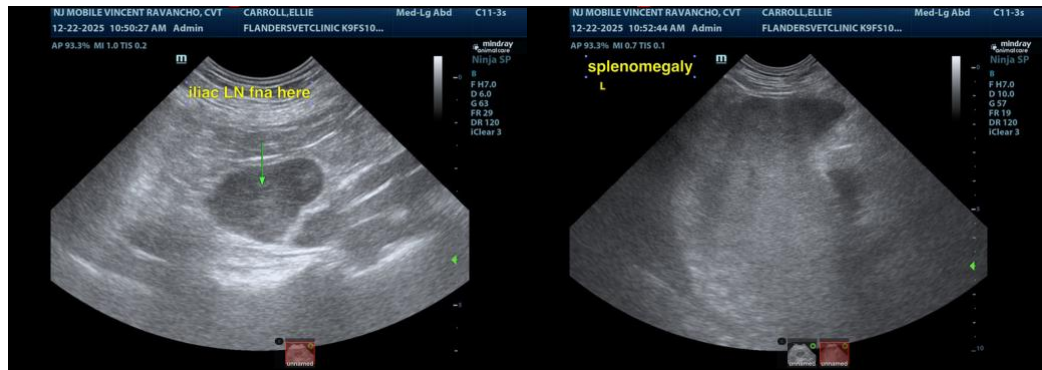
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,
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