



PATIENT

Riley Dienner

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

9 Years

WEIGHT

53 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Danielle Lanz

HOSPITAL NAME

New Holland VH

REFERRING VET

Danielle Lanz

INVOICE

23476

DATE

7/18/23

PRESENTING CLINICAL SIGNS

Three week history of off and on vomiting (food, bile). 7/13 presented for non-stop vomiting for three days. Was eating and drinking but vomiting up food/bile. Also has gagging/cough after vomiting. Was given supportive care - cerenia, prilosec, SQ fluids, BW. Presented 7/15 cerenia stopped vomiting but now she anorexic. supportive care repeated and u/s recommended. 7/17 started vomiting up black fluid and not eating.

Abnormal PE/Chem/CBC/UA Results: CBC/Chem: 7/14 Na/K ratio 27 7/18 PCV/TS 53, 7.4

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 5.2 cm. The right kidney measured 5.0 cm. A slight cortical infarct was noted at the caudal pole of the of left kidney.

Adrenal Glands

The caudal pole of the **left adrenal gland** was unremarkable, measuring 0.68 cm. The cranial pole was potentially irregular yet visualized obliquely, measuring 0.94 cm.

The region of the **right adrenal gland** was imaged and revealed no obvious pathology.

Spleen

The **spleen** was enlarged with hypoechoic nodular changes. Splenic fold was noted.

Liver

The **liver** revealed a target-type, hypoechoic, undifferentiated mass, measuring 4.0 cm in the left medial liver.

Gastrointestinal

Structurally, the **GI tract** appeared unremarkable.

Pancreas

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.

Free Abdomen



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The mesenteric **lymph nodes** were enlarged, rounded, hypoechoic and peripherally inflamed, measuring up to 3.0 cm. Loss of structural detail was noted. This change is strongly suggestive for infiltrative disease.

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ULTRASONOGRAPHIC FINDINGS

- Multicentric neoplasia involving the lymph nodes, spleen and liver, strongly suggestive for round cell neoplasia. Secondary inflammation is noted.
- Potentially irregular caudal pole of the left adrenal gland, yet visualized obliquely.
- Age-related renal changes with left cortical infarct

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

FNA of the mesenteric lymph nodes are recommended.

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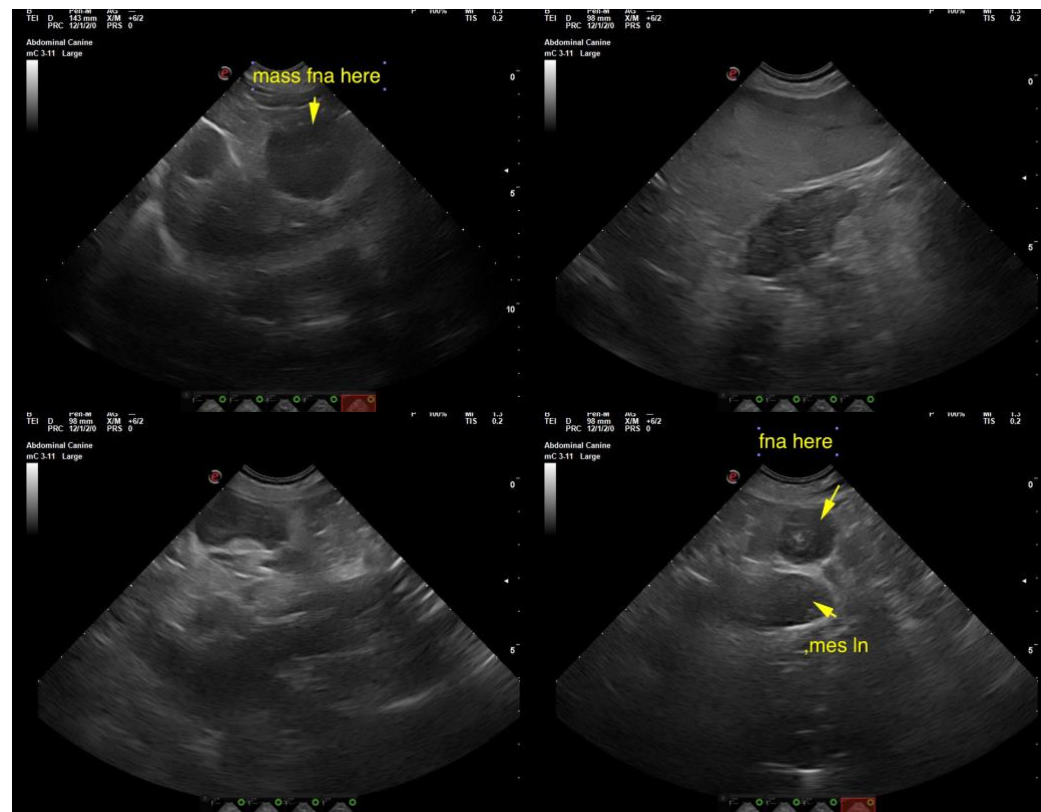
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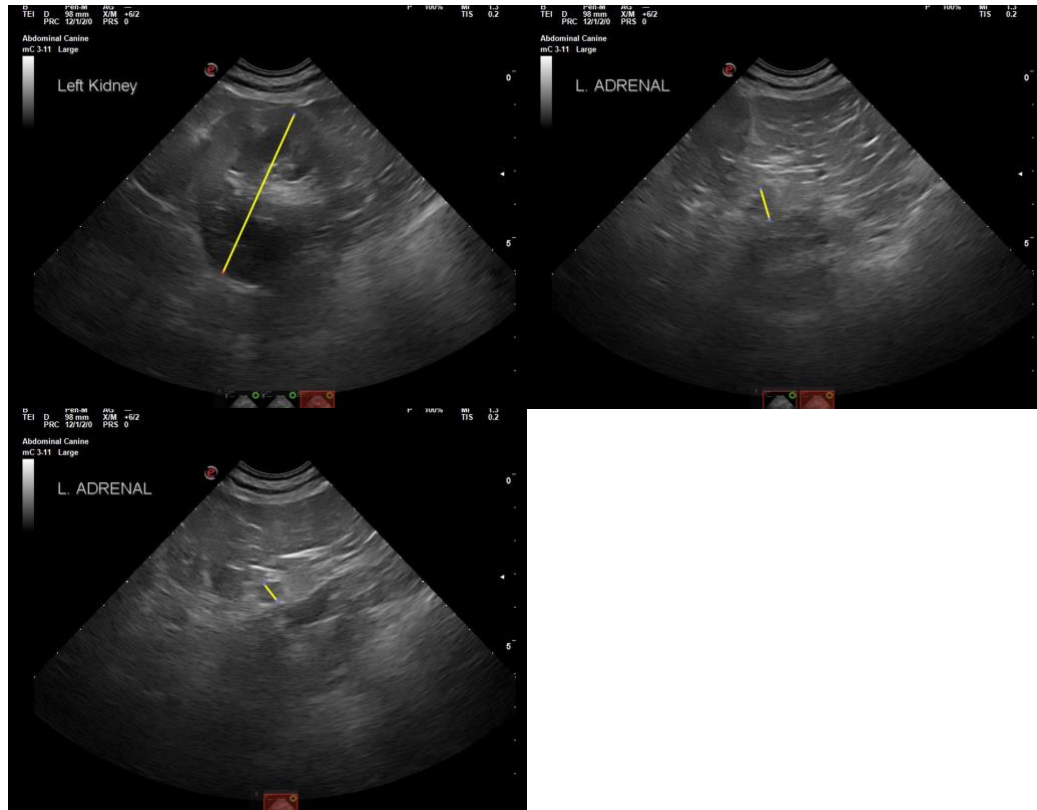
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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