



PATIENT PRESENTING CLINICAL SIGNS

Mya Lanz History: Not eating. Lethargic. Elevated SDMA and BUN. Mildly elevated ALKP.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

Canine

BREED

Yorkie/Chihuahua Mix

SEX

Spayed Female

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present. Hyperechoic focal echogenicities with distal acoustic shadowing were present in the dependent lumen. Concurrent mild likely adhered luminal mineral was noted. The urethra was normal to a depth of 2.0 cm. Aortic trifurcation was normal.

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. The left kidney measured 4.3 cm in length. The right kidney measured 4.3 cm in length. Pinpoint medullary mineral was present.

AGE

9 Years

Adrenal Glands

The left adrenal gland was not definitively visualized.

WEIGHT

6.3 kg

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.46 cm width at the caudal pole and 0.43 cm width at the cranial pole.

Spleen

INTERPRETED BY

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

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

IMAGING PERFORMED BY

Dave Stasiuk, RDMS,
RDCS

Liver

The liver presented mildly 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.

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The gallbladder was non distended in size with mild nondependent nonorganized debris. The gallbladder and peripheral gallbladder were free of inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.

REFERRING VET

Dr. Lori Keeler

Gastrointestinal

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.

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The small intestine exhibited primarily intact wall layering with subjective maintained 1:3 muscularis/mucosa ratio. Segmental propensity for mildly prominent mucosa layer. Adjacent to or potentially deriving from mid to caudal abdominal segments, a small yet mildly expansive nonhomogeneous mass lesion was present, measuring approximately 2.0 cm in diameter. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

DATE

9/8/22



PATIENT The visualized descending colon was sonographically unremarkable, containing formed fecal matter.

Mya Lanz **Pancreas**

SPECIES The pancreas base and right pancreatic limb exhibited generalized enlargement, parenchymal swelling, mild asymmetrical contour and decreased parenchyma echogenicity.

Canine **Free Abdomen**

BREED Within the cranial abdomen, subjectively immediate caudal to the stomach and within the area of the pancreas base, potential left pancreatic limb and transverse colon, unspecified hypoechoic to mildly nonhomogeneous mass lesion was present, measuring approximately 4.0 cm x 4.0 cm x 2.1 cm. Generalized primarily peripancreatic to periintestinal hyperechoic mesentery was noted with small pockets of scant free fluid and evidence of omental edema.

SEX

ULTRASONOGRAPHIC FINDINGS

Spayed Female

Primary Findings

AGE

9 Years

WEIGHT

6.3 kg

- Mild vacuolar hepatopathy pattern
- Minor gallbladder debris- suspect secondary to fasting
- Unspecified hypoechoic. Mass lesion, subjectively adjacent to or caudal to the stomach within the area of the pancreas and transverse colon
- Separate mildly expansive nonhomogeneous mass lesion mid to caudal abdomen, adjacent to or potentially deriving from the intestine
- Hypoechoic to enlarged right pancreas
- Generalized primarily peripancreatic to periintestinal peritonitis

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Secondary Findings

- Mild cystitis pattern with solitary calculus and concurrent adhered mild mineral
- Mild chronic renal changes with pinpoint medullary mineral

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The study is consistent with multicentric pathology with multifocal unspecified, potentially intestinal or pancreatic lesions and concurrent peritonitis. Multicentric neoplastic criteria is favored, although nonneoplastic etiologies, i.e., abscessation, necrosis, granuloma or other is possible. Sampling is required for further definition. Assuming normal clotting status, and using a 25-gauge needle, ultrasound guided FNA of unspecified mass lesion for cytology +/- culture and sensitivity if clinically indicated is suggested. Given this presentation, further assessment with abdominal CT is likely ideal. However, very guarded to potential unfavorable prognosis is likely indicated.

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SPECIES

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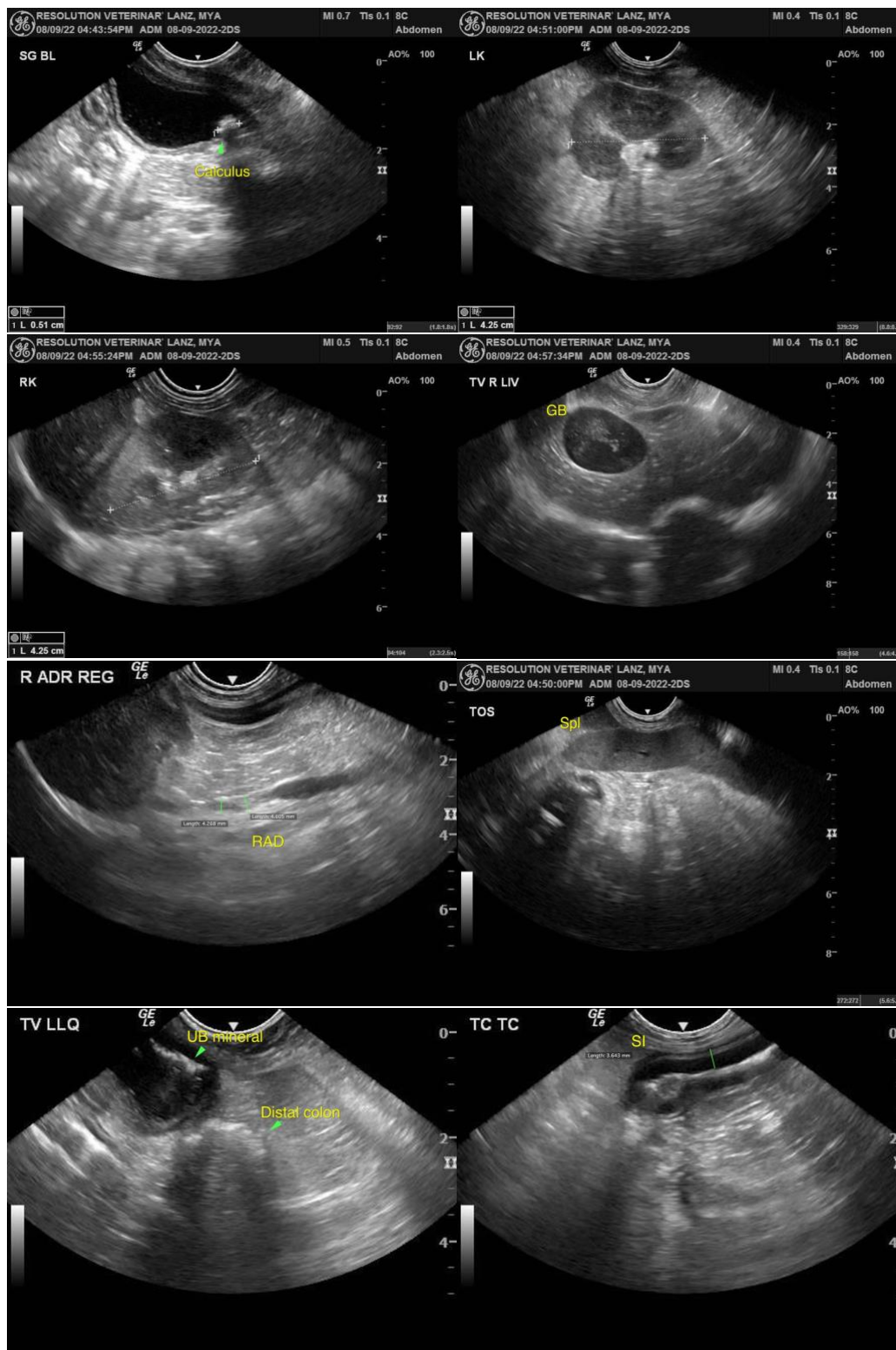
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SPECIES

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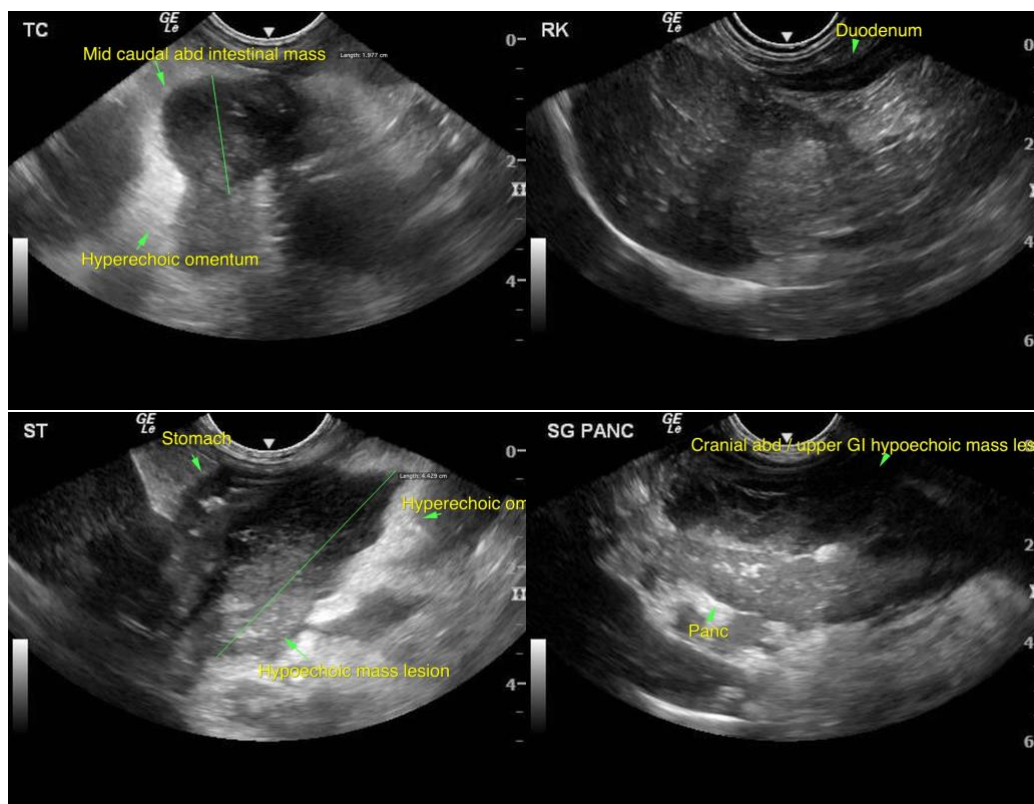
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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