



PATIENT PRESENTING CLINICAL SIGNS

Lola Recchiuti History: ANOREXIA, ABDOMINAL PAIN, ADR, 1/6 HEART MURMUR, OA, IVDD GALLIPRANT, ADEQUAN, CERENIA

SPECIES Abnormal PE/Chem/CBC/UA Results: CBC HCT 26.2, WBC 11.8 with lymphopenia and monocytosis, Unremarkable chem panel.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Beagle X The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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 were noted.

SEX

Spayed female Normal size and margination was present in the left kidney. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some mildly 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 4.4 cm in length.

AGE

12 years

The discernable right kidney exhibited mild loss of corticomedullary border demarcation. An unspecified hypoechoic to non-homogeneous mass in the area of the lateral right kidney as well as directly adjacent to the caudal margins of the caudate liver lobe measuring 3.4 cm x 2.7 cm was observed. Associated regional right cranial abdominal reactive mesentery and/or potential for mild right retroperitonitis was noted. The right kidney measured 5.2 cm in length.

WEIGHT

23.6 pounds

Adrenal Glands

INTERPRETED BY

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.63 cm width at the caudal pole and 0.64 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.36 cm width at the caudal pole and 0.88 cm width at the cranial pole.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

A moderately sized mass involving the caudal spleen with secondary distortion of the associated lateral and medial capsule contour and associated asymmetric capsule margination. The mass measured approximately 5.5 cm x 3.6 cm. Associated regional peri splenic reactive mesentery was observed. The non-affected spleen exhibited subtly decreased echogenicity and maintained finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma.

HOSPITAL NAME

Lehigh Valley Animal
 Hospital

Liver

REFERRING VET

Dr. Tan

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

INVOICE

10104ag

Gastrointestinal

The stomach presented intact yet with subjective mild prominent wall layering as well as subjective decreased mural echogenicity primarily in the area of the gastric antrum and pylorus. The pylorus wall

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measured 0.45 cm. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

SPECIES

Canine

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.

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

BREED

Beagle X

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 was evident.

SEX

Spayed female

Free Abdomen

Perisplenic and regional right cranial abdominal reactive mesentery and/or potential for mild right retro peritonitis was noted.

AGE

12 years

No evidence of significant to generalized lymphadenopathy, free fluid or splenic mass rupture.

WEIGHT

23.6 pounds

ULTRASONOGRAPHIC FINDINGS

- Caudal nonhomogeneous splenic mass.
- Unspecified mass in the area of the lateral right kidney and caudal caudate liver lobe.
- Associated perisplenic and regional right cranial abdominal reactive mesentery/potential right retroperitonitis.
- Mild regionally prominent gastric walls with subjective decreased mural echogenicity.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although sampling is required for definitive diagnosis, the splenic mass and unspecified mass potentially originating from the right kidney or caudate liver lobe is consistent with multifocal neoplastic criteria-multicentric sarcoma, round cell neoplasia or other. Assuming normal clotting status and pending echocardiographic workup, an ultrasound guided FNA of the splenic mass and if accessible the undifferentiated mass in the area of the lateral right kidney using a 25g needle could be considered for further clarification.

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Potential for regional seeding around the splenic mass and undifferentiated mass as well as possible early gastric mural involvement is of concern yet not definitive.

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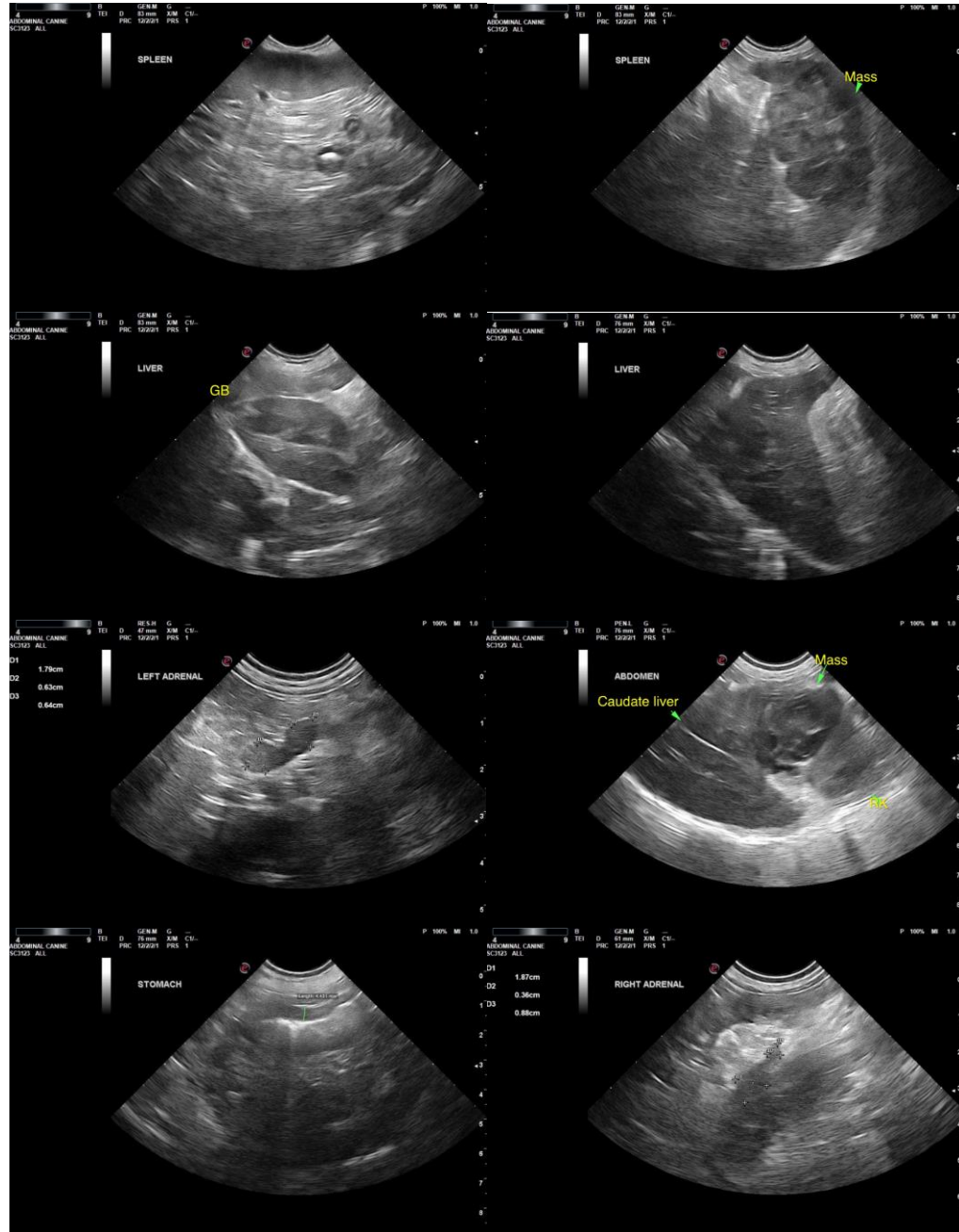
Dr. Tan

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com



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