



**PATIENT PRESENTING CLINICAL SIGNS**

**Lola Keef**  
Chief Concern / Provisional Diagnosis: Metastasis check. Diagnosed with Hemangiosarcoma March 2020. Splenectomy performed then. Also, hx of mast cell removal (concern for narrow margins as mast cell was on leg and recently patient has had swelling near site - sending out aspirates at time of ultrasound) Recent Diagnostics: Relevant Laboratory Results / Abnormalities: USG 1021 pH8.0 mid day sample; Cbc/chemistry within normal limits. HW negative. Fecal o/p dx antigen negative. Current medications (include full name, dosage and frequency): 1. Super Schrooms 150g 2. Nat Path Chai Hu Jia Long Gu Mu Li Tang - herbal focusing on decreasing metastasis for HSA 3. GF Corydalis 240ct - antiinflammatory herbal 4. Nat Path Xue Fu Zhu Yu Tang - herbal focusin on decreasing metastasis for Mast Cell 5. Wei Qi Booster - herbal against cancer 6. Stasis Breaker - herbal against masses Relevant Radiograph Findings(email radiographs if available): 3 view chest rads will be taken today for general wellness

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

FS

**AGE**

10 Years, 9 Months

**WEIGHT**

85 lbs

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

**HOSPITAL NAME**

MountainView Animal  
Hospital

**REFERRING VET**

Dr. Sarah Kalivoda

**INVOICE**

49327

**DATE**

12-30-21

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

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.

No evidence of pathology in the area of the aortic trifurcation.

Normal size and margination was 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 7.3 cm in length. The right kidney measured 7.6 cm in length.

*Adrenal Glands*

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.75 cm width at the caudal pole and 0.60 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 0.58 cm width at the caudal pole and 0.81 cm width at the cranial pole.

*Spleen*

The spleen was not visualized owing to previous splenectomy. No overt pathology in the area of the previous spleen.

*Liver / Gallbladder*

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform with 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.

*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.



**PATIENT** 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.

Lola Keef

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

**SPECIES** *Pancreas*

Canine

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.

**BREED**

*Free Abdomen*

Pitbull Mix

Intermittent medial iliac and mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a medial iliac lymph node measured 2.3 cm length x 0.83 cm width. An example of a mesenteric lymph node measured 2.2 cm length x 0.46 cm width.

**SEX**

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Focal nonspecific mildly hyperechoic to nonhomogeneous omental nodule noted in the ventrocranial abdomen directly caudal to the ventral left liver. This omental nodule measured approximately 2.0 cm in diameter.

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No overt peritoneal effusion was present.

#### ULTRASONOGRAPHIC FINDINGS

**WEIGHT**

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- Mild age related kidneys.
- Intermittent subjectively benign medial iliac and mesenteric lymph nodes - not consistent with neoplastic or metastatic criteria.
- Focal nonspecific omental nodule left cranial abdomen - not consistent with neoplastic or metastatic criteria, potential for focal nodular fat, steatitis, omental scar, or granuloma from previous splenectomy given its location.

**INTERPRETED BY**

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#### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of intraabdominal metastasis from either previous hemangiosarcoma or cutaneous mast cell tumor. Sonographic monitoring of the abdomen, specifically the medial iliac and mesenteric lymph nodes, as well as the nonspecific omental lesion, based on oncology recommendations, is recommended.

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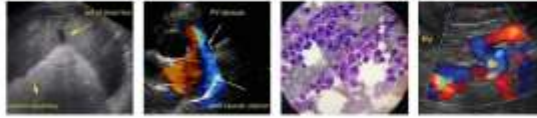
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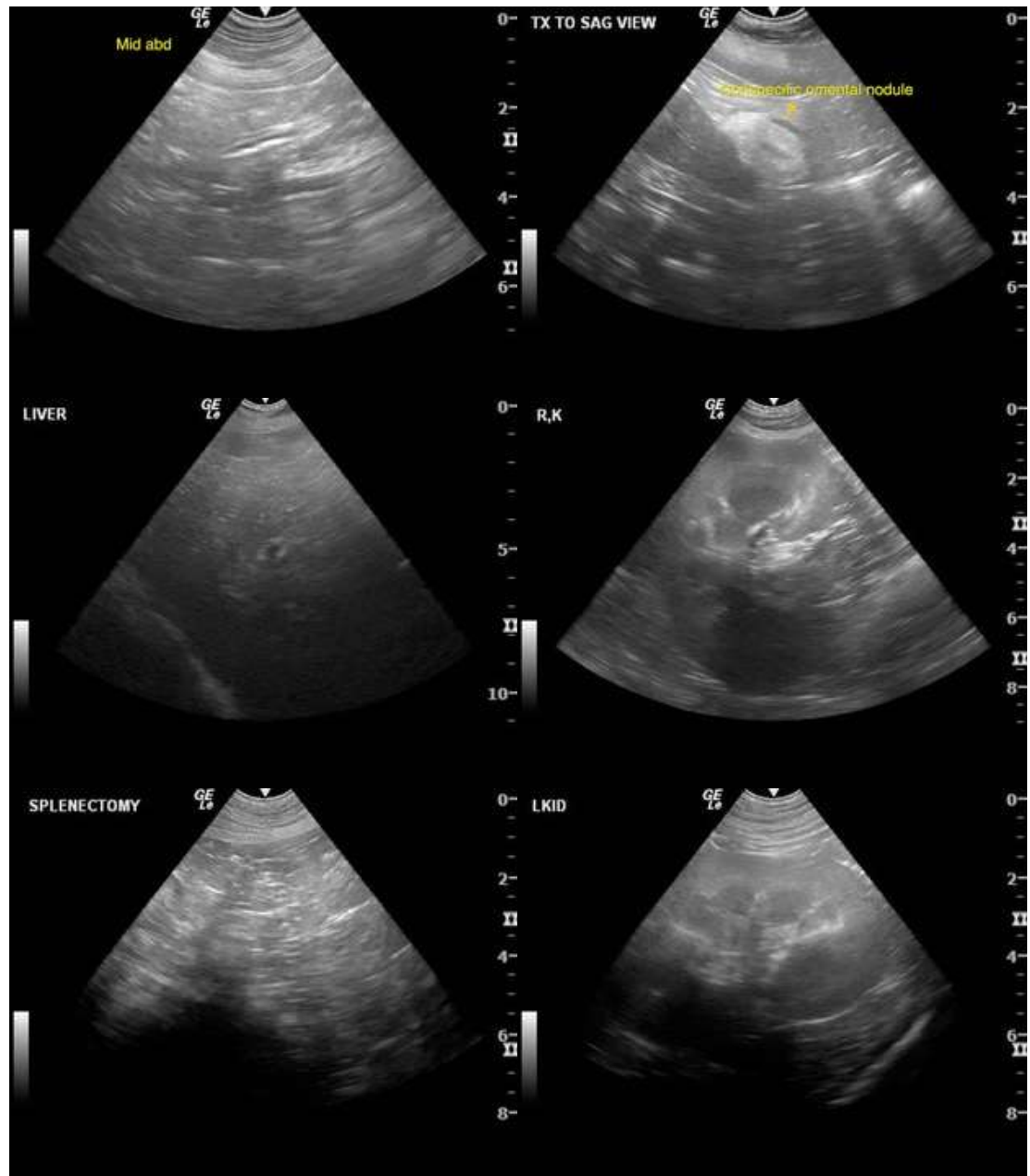
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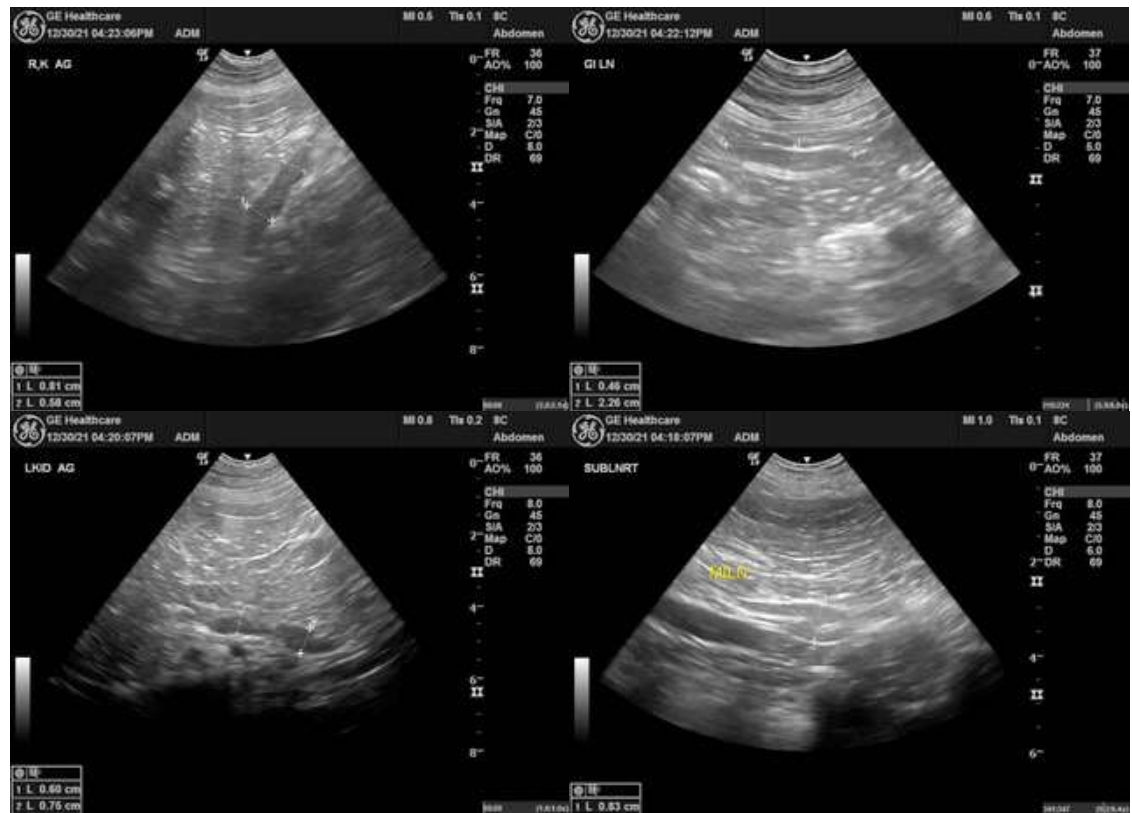
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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