



PATIENT

Gracie Lythgoe

SPECIES

Canine

BREED

Mini Schnauzer

SEX

Spayed Female

AGE

13 Years

WEIGHT

7.10 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Yasher Alami-
Alamdari

HOSPITAL NAME

King Hopkins PH

REFERRING VET

Dr. Latoya Brown

INVOICE

14562

DATE

4/3/22

PRESENTING CLINICAL SIGNS

History: Gracie is a 13 yr old Mini Schnauzer dog that presented with the complaint of inappetence, weight loss and lethargy that has minimally improved since her previous visit 2 weeks ago. The O said she is not eating as usual, very picky with what she eats. Finished meds over a week. Did not eat any of the aventi kidney. Acting lethargic. Also mentioned 3 years ago at another vet clinic Gracie's blood count was low and the vet thought she could have cancer. She initially presented on Mar 18 2022 with the complaint of bloody diarrhea and intermittent anorexia and emesis over the past 5 days. Physical Exam Findings: QAR, Lethargic mm pale euhydrated Differentials: IMHA, Pancreatitis, GI lymphoma or other neoplasia, GI parasites, IBD - open

Abnormal PE/Chem/CBC/UA Results: Recommended repeat CBC, Rad (1 view only), CBC select - O approved. CBC: low RBC parameters (microcytic, hypochromic regenerative anemia) Rads: rounded slightly radio-opaque structure caudal to the liver on lateral view, multiple, whitish radio-opacities viewed in the cranial abdomen. Blood smears were submitted to IDEXX for pathology review. Recommended abdominal US to r/o IBD or GI neoplasia. The tx plan discussed with the O: -injectable anti-nausea medication -SC fluids given in clinic to maintain hydration -oral antibiotic dispensed BID for 7 days -oral appetite stimulant dispensed SID for 3 days. Prognosis: Guarded to fair.

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 **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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. no evidence of pelvic dilation was present. Corticomedullary and pelvic mineralization were noted, nonobstructive. The right kidney measured 4.58 cm. The left kidney was similar to the right, measuring 4.23 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 right adrenal gland measured 0.69 cm at the cranial pole and 0.5 cm at the caudal pole. The left adrenal gland was visualized obliquely and measured 0.53 cm.

Spleen

The **spleen** revealed mixed hypoechoic, distorted target type nodule measuring 1.55 cm.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but



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likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. Subtle hypoechoic nondisruptive nodules were noted.

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Gastrointestinal

The **stomach** in this patient revealed a minor amount of luminal chyme and variable heterogeneous mucosal changes with increased submucosal echogenicity and wall thickness. Gastric wall thickness measured 0.51 cm, normal.

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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.

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ULTRASONOGRAPHIC FINDINGS

- Moderate degenerative renal changes with nonobstructive pelvic mineralization
- Chronic gastritis pattern
- Age-related hepatic and pancreatic changes
- Splenic nodule, likely hyperplasia, potential for round cell neoplasia or minor potential for hemangiosarcoma. FNA indicated.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Empirical treatment for gastritis, antiparasitic protocol, hydrolyzed geriatric diet and reassessment of the clinical signs would be appropriate. FNA of the splenic nodule recommended to ensure this is a benign lesion.

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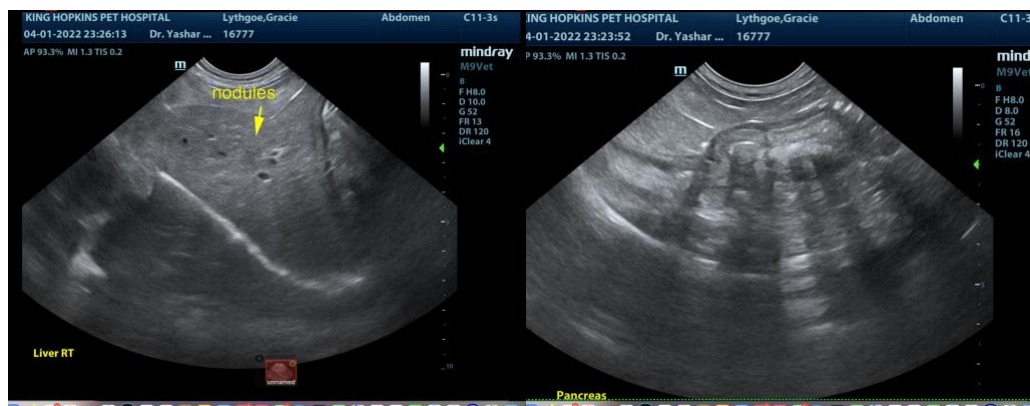
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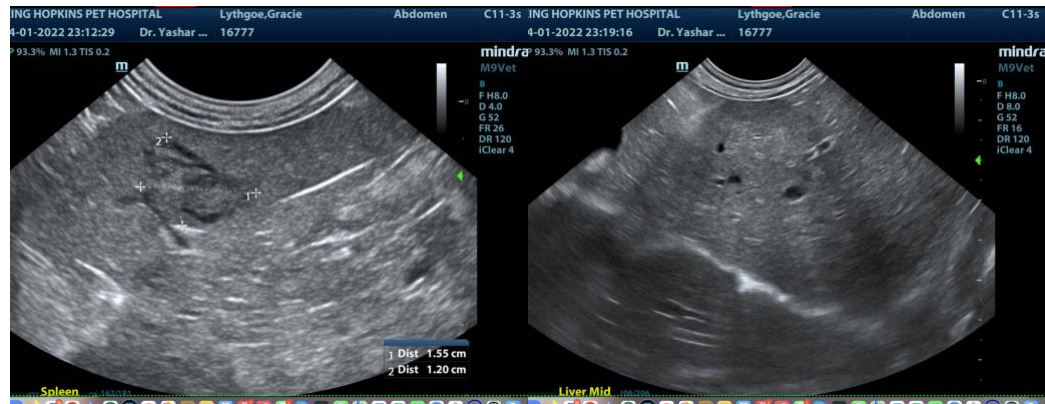
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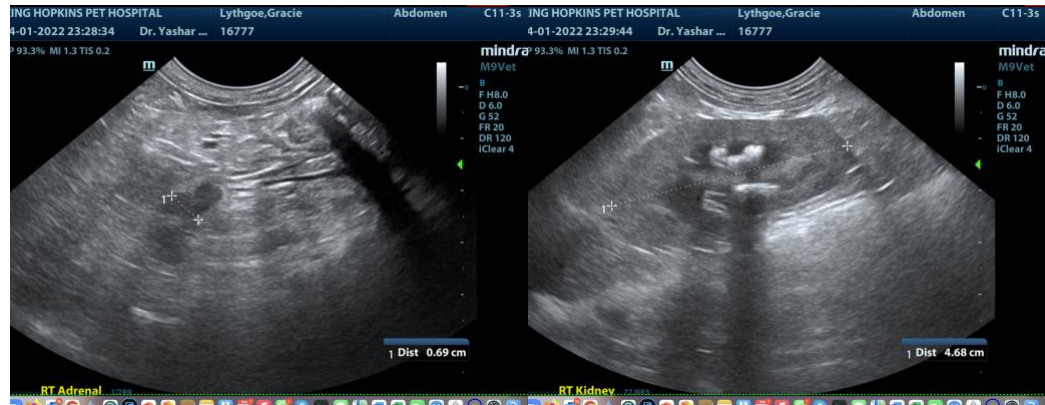
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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