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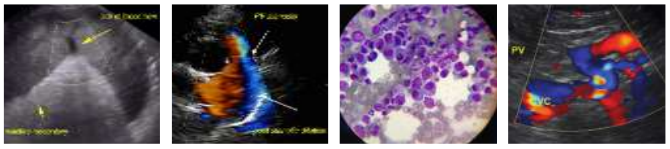
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Harley Ignaskzak

SPECIES

Canine

BREED

Lab

SEX

SF

AGE

11

WEIGHT

70

INTERPRETED BY

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

IMAGING PERFORMED BY

Megan Larson

HOSPITAL NAME

Yorkville Animal Hospital

REFERRING VET

Dr. Oedewaldt

INVOICE

13406

DATE

2/23/22

PRESENTING CLINICAL SIGNS

Patient presented for +V+D, weight loss + pu/pd. Patient has lost 20lbs since her last visit with us. She is a little dehydrated on exam. Patient has lipoma but there are no significant findings otherwise

CBC Platelets 633, ALP 4598, ALT 149, Specific gravity 1.050

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and cystourethral junction 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 was noted.

A solitary medial Iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 1.6 cm x 0.5 cm. This lymph node was not consistent with inflammatory or neoplastic criteria, and likely incidental.

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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Focal areas of medullary mineralization were present in both kidneys. No evidence of pelvic dilation was present. The left kidney measured 5.7 cm in length. The right kidney measured 5.9 cm in length.

Adrenal Glands

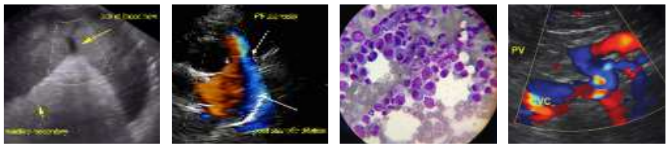
The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry were present without suspicion for overt neoplasia. The left adrenal gland measured 0.57 cm width in the cranial pole and 0.68 cm width in the caudal pole. The right adrenal gland measured 0.82 cm width in the cranial pole and 0.76 cm width in the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease. No overt evidence of concurrent neoplastic criteria was noted.

Liver/ Gallbladder

The liver exhibited a moderately sized to expansive nonhomogeneous mass appearing to occupy the mid to right caudal liver measuring approximately 9.0-10.0 cm in diameter. Subtle evidence of perihepatic reactive mesentery was present. Concurrent, subjectively normal-appearing hepatic parenchyma was present in the deep and likely left liver with evidence of minor parenchymal remodeling. The gallbladder was non-distended in size with moderate nondependent to mildly congealed nonmineralized luminal debris. The gallbladder was otherwise normal without evidence of



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inflammatory criteria. No evidence of peripheral gallbladder Inflammation was noted. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact yet mildly prominent wall layering with a mild to moderate amount of retained anechoic to mildly echogenic fluid present in the stomach. The gastric body wall width measured 0.47 cm.

The duodenum exhibited intact yet mildly prominent wall layering with minor evidence of duodenal ileus. The jejunum and ileus to the level of the colon were sonographically normal. The duodenum wall width measured 0.37 cm. The jejunum wall width measured 0.32 cm.

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

Pancreas

The pancreas was mildly prominent in size with minor asymmetrical contour and nonhomogeneous to mildly hypoechoic parenchyma compared to adjacent omentum.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Nonhomogeneous liver mass
- Moderate, nondependent to congealed gallbladder debris - potential early to partial gallbladder noninflamed mucocele
- Bilateral chronic renal changes with pinpoint to focal medullary mineral
- Mildly prominent to heterogeneous pancreas - evidence of parenchymal remodeling associated with age or previous inflammation suspected, potential for low-grade to chronic pancreatitis possible
- Hypomotile stomach, mild gastroduodenitis pattern

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although sampling is required for further clarification, the hepatic mass is suggestive of neoplastic criteria. Assuming normal clotting status, ultrasound-guided FNA of the hepatic mass could be considered for further clarification and potential oncology consultation.

As-needed gastrointestinal supportive care, medical therapy for gastroduodenitis +/- A GI panel to include PLI/TLI/Cobalamin/Folate may be considered.

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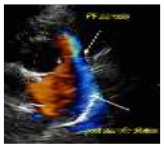
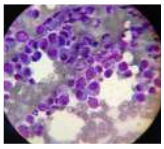
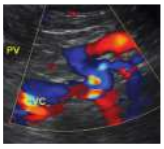

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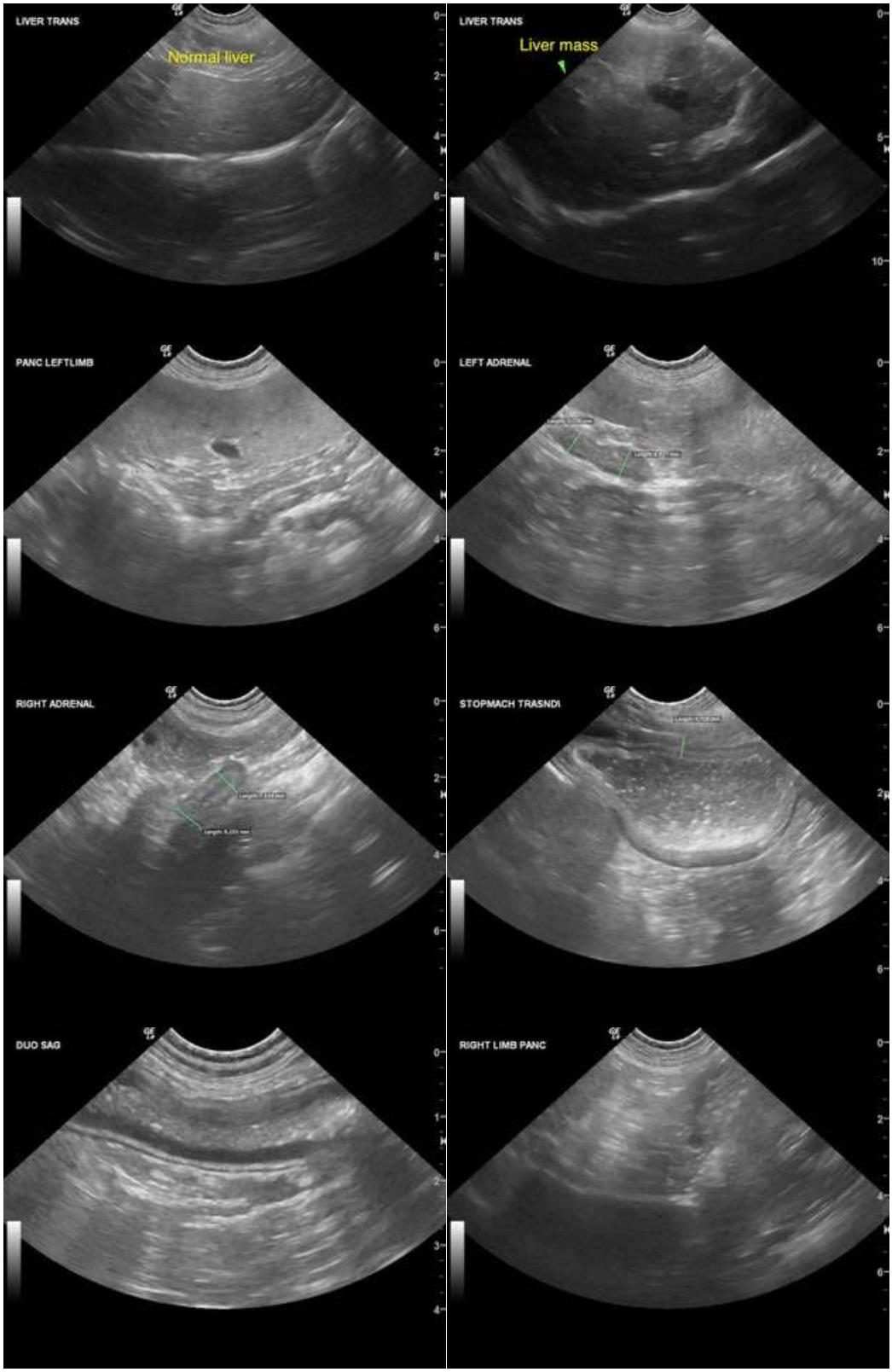

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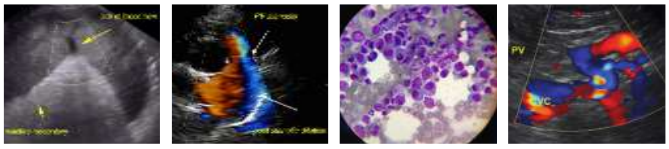

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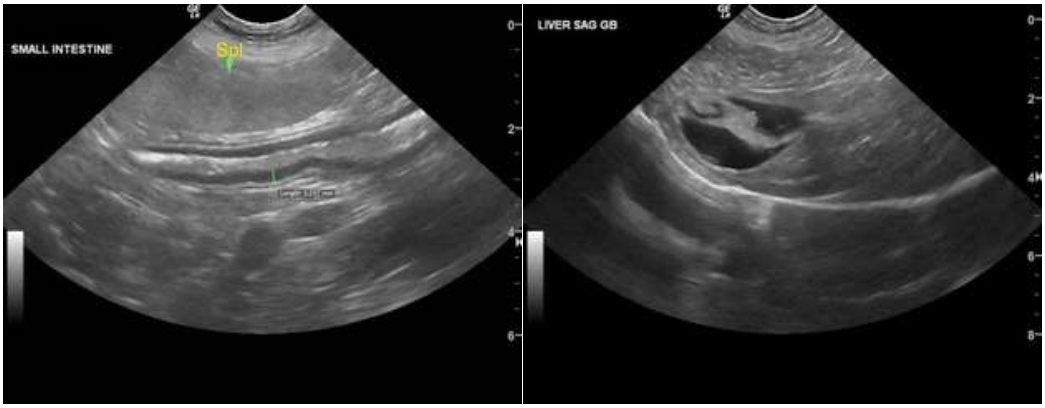

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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