



PATIENT

Ivan Levasseur

PRESENTING CLINICAL SIGNS

Round Cell tumour on hindleg. Assess for metastases.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 was noted.

DMH

SEX

The area of the aortic trifurcation was free of pathology and without evidence of medial iliac or sublumbar lymphadenopathy / masses.

M/N

AGE

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 4.5 cm in length. The right kidney measured 4.5 cm in length.

16 years

WEIGHT

7.3 kg

Adrenal Glands

INTERPRETED BY

No overt pathology was noted in the areas of the left or right adrenal glands.

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

Spleen

IMAGING PERFORMED BY

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. The spleen measured 1.0 cm width. No overt evidence of neoplastic criteria was noted.

Dave Stasiuk RDMS,
RDCS

HOSPITAL NAME

Resolution Vet
Ultrasound LTD

Liver/ Gallbladder

REFERRING VET

Killarney Cat
Hospital

The liver was overtly normal in size and primarily maintained symmetrical contour. Generalized mild nonhomogeneous hepatic parenchyma exhibiting moderately sized nonhomogeneous to cystic mass in the left liver was present measuring 4.5 cm. Similar-appearing nondisruptive nodules were present in the right liver along with concurrent indistinct Isoechoic to mildly hypoechoic nondisruptive intraparenchymal hepatic nodules. An example of a isoechoic to mildly hypoechoic nodule measured 1.4 cm in diameter. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

INVOICE

14215

DATE

7/5/22

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. The gastric body wall width measured 0.25 cm.



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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. The duodenum wall measured 0.24 cm width. The jejunum wall measured 0.22 cm width. The ileocolic wall measured 0.36 cm width.

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

Pancreas

The pancreas was normal in size with areas of capsule asymmetry and heterogeneous mildly hypoechoic splenic parenchyma exhibiting intermittent parenchymal cysts. Potential concurrent small thinly-walled omental cyst vs. left pancreatic limb cyst was present in the left cranial abdomen measuring approximately 0.8 cm in diameter. Mild pancreatic duct dilation was present in the right pancreatic limb.

Free Abdomen

No omental masses, evidence of omental lymphadenopathy, or peritoneal free fluid were present.

ULTRASONOGRAPHIC FINDINGS

- Heterogeneous to cystic-appearing intraparenchymal left liver mass with similar-appearing right Intraparenchymal nodules, concurrent nondisruptive isoechoic to mildly hypoechoic mid to right intraparenchymal nodules
- Heterogeneous to cystic pancreas with minor pancreatic duct dilation - age-related pancreatic changes, potential for low-grade to chronic pancreatitis, no overt evidence of pancreatic neoplastic criteria
- Bilateral chronic renal changes
- Subtle heterogeneous spleen - subjectively benign

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The nonhomogeneous to cystic left liver mass along with concurrent similar-appearing right liver nodules are suggestive of cystic biliary adenoma, although potential for cystic biliary adenocarcinoma cannot be definitively excluded.

The Isoechoic to mildly hypoechoic hepatic nodules are more nonspecific with considerations including areas of nodular to regenerative hyperplasia, hematopoiesis, and small granulomas, although the possibility of metastatic disease cannot be excluded.

Sonographic monitoring of these nodules and/or if accessible ultrasound-guided FNA, assuming normal clotting status, could be considered for screening cytology.

No evidence of lymphatic or omental neoplastic criteria was noted.



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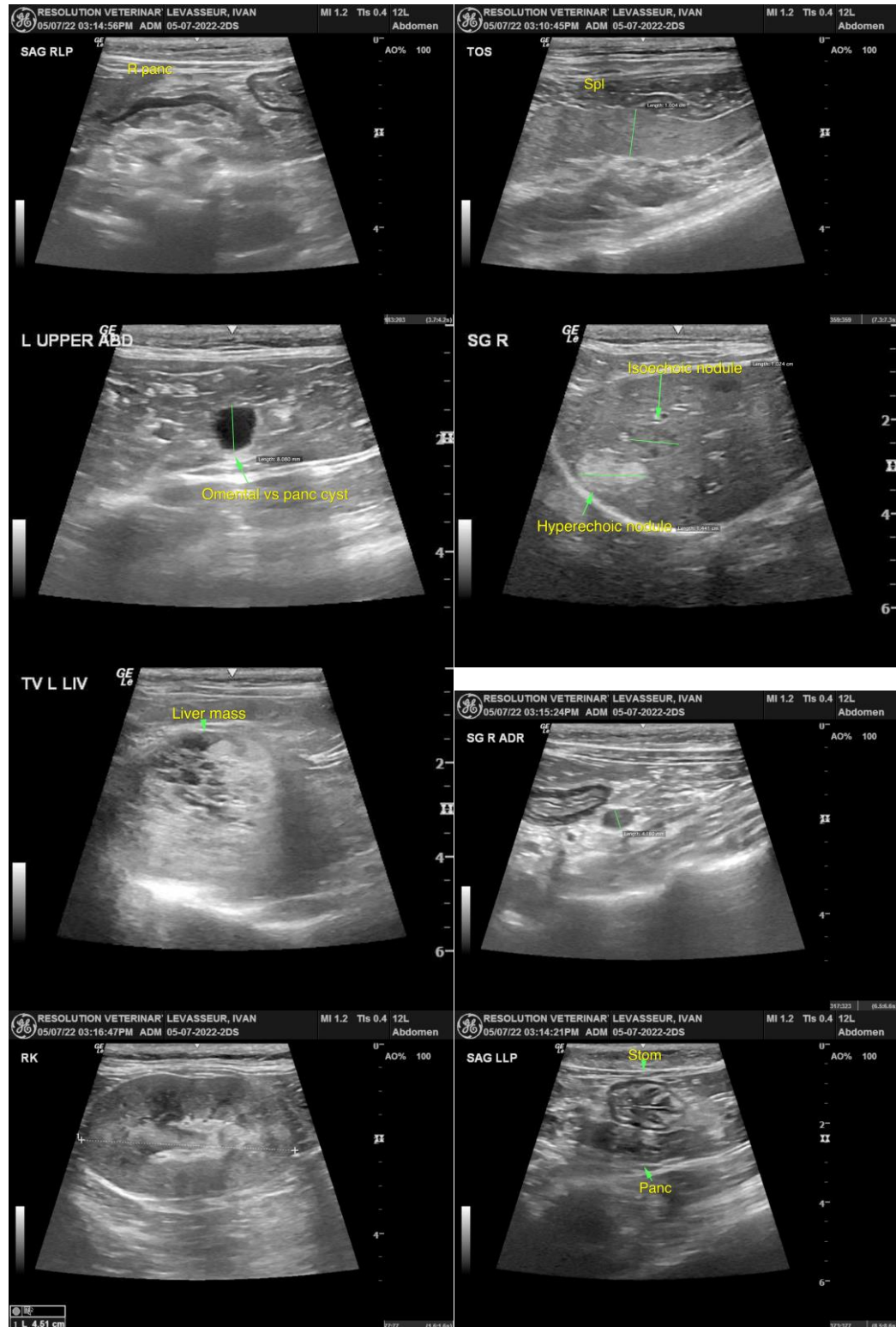
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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