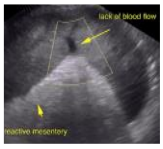
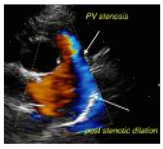
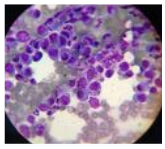
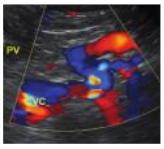
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™





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

PATIENT

Lily Bartolini

SPECIES

Canine

BREED

Lab/Hound Mix

SEX

FS

AGE

6 years

WEIGHT

72 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Sheridan

INVOICE

13842

DATE

5/11/22

PRESENTING CLINICAL SIGNS

PU/PD, normal appetite. Weight gain of 10lb in the last year. Treated with course of antibiotics to R/O UTI, no change. Also leaking urine. Sedated with Torbugesic and low dose Acepromazine IV. FNA of Liver done.
Abnormal PE/Chem/CBC/UA Results: ALB 4.4, ALT 243, GGT 27, T Bili 0.8, Hct 60.4 Lepto PCR: Neg all 6 serovars.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited overt normal structure 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.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pyelectasia. The left kidney measured 6.6 cm in length. The right kidney measured 7.1 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 0.62 cm width at the caudal pole and 0.71 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 0.73 cm width at the caudal pole.

Spleen

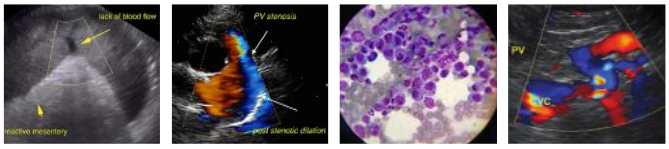
The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

Liver/ Gallbladder

The liver was normal in size and contour with subtle uniform increased hepatic parenchyma echogenicity with mild coarse echotexture. No masses or nodules were noted. The gallbladder was non-distended in size with thin walls and primarily anechoic content with mild nonmineralized dependent debris. The gallbladder walls were normal without evidence of inflammatory criteria. 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.



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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.

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

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 were evident.

Free Abdomen

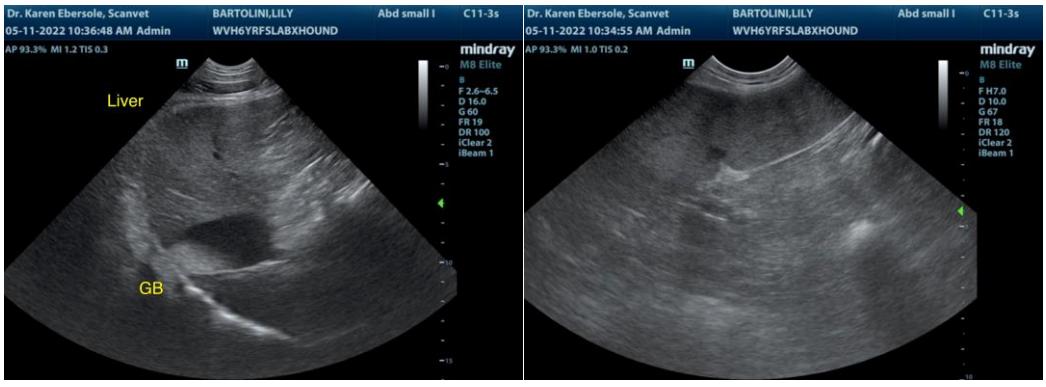
No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder and visible proximal urethra
- Hepatopathy - suggestive of low-grade inflammatory hepatopathy with suspected mild nonobstructive cholestasis, no overt evidence of neoplastic criteria
- Sonographically unremarkable bilateral kidneys and adrenal glands
- Mild gallbladder debris - not consistent with gallbladder mucocele and without evidence of cholecystitis

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of significant abdominal visceral pathology, specifically hepatic pathology. Hepatic functionality is likely normal, assuming normal albumin, glucose, BUN and cholesterol levels. However, bile acids could be considered for further assessment of hepatic functionality, given the PU/PD. Correlation with pending hepatic cytology is recommended. Hepatosupportive medications including Denamarin and Ursodiol, given the presence of minor gallbladder debris, as well as its anti-inflammatory and immunomodulatory effects within the liver, may prove beneficial.



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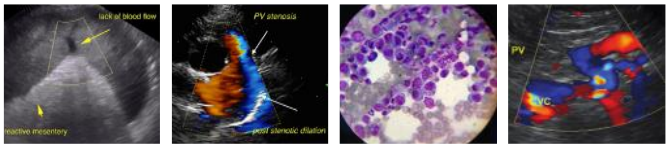

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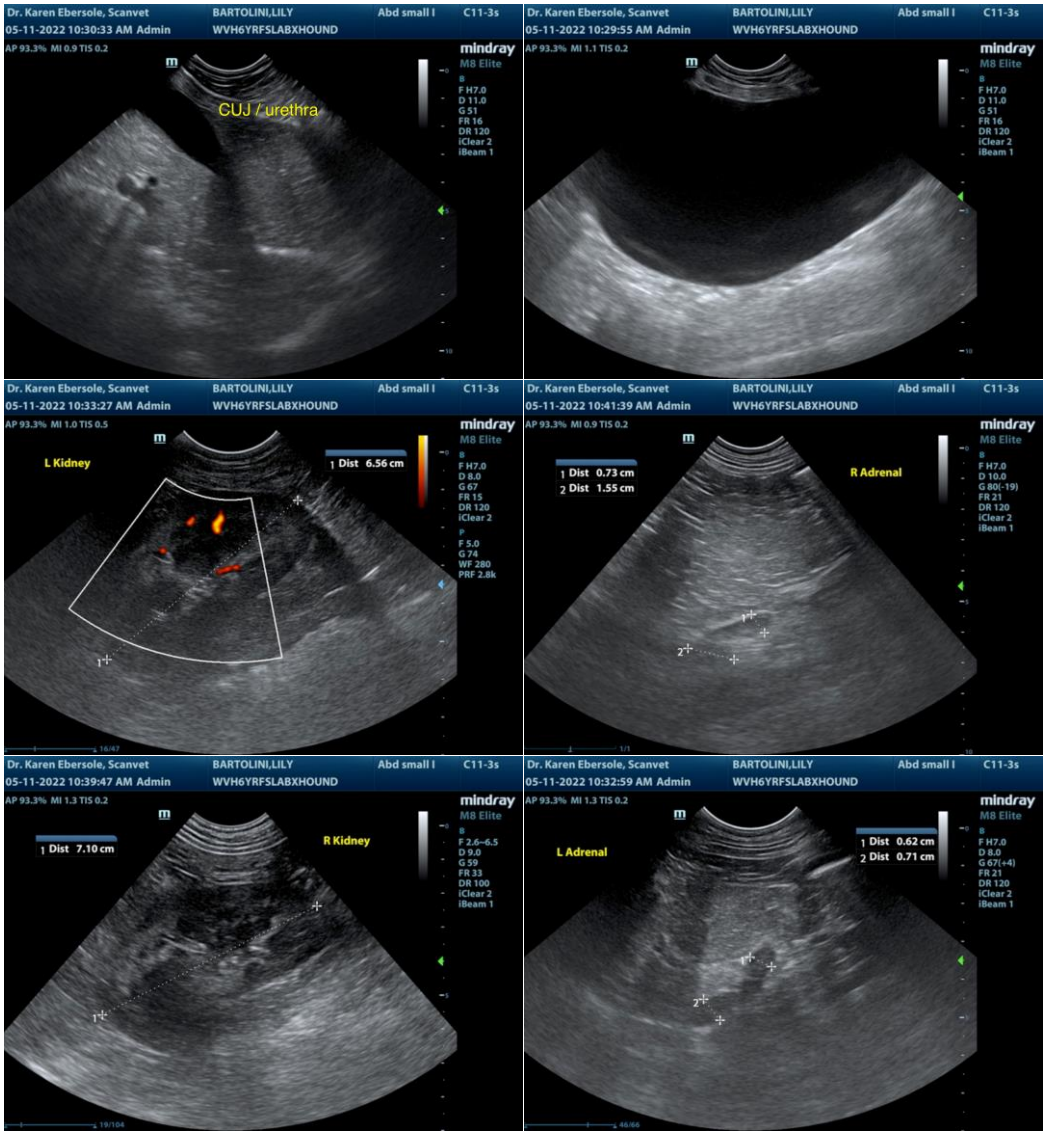

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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