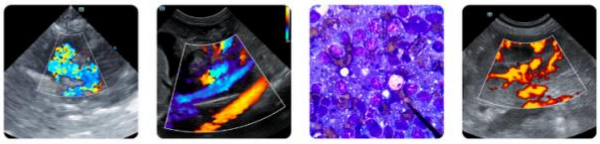

PATIENT

Billie Arnott

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

6 Years

WEIGHT

27 pounds

INTERPRETED BY

Greg Kuhlman, DVM, DACVIM (SAIM)

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

All Creatures Great & Small Denville

REFERRING VET

Dr. Silas Ashmore

INVOICE

15503

DATE

04/27/26

PRESENTING CLINICAL SIGNS

Chronic hematuria X 1 month on 3 urine samples, WBC 2/hpf, RBC > 50/ hpf, X-rays negative

Abnormal PE/Chem/CBC/UA Results: SC/CBC pending, Urine C&S pending, USG 1.019

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen. No papilla is seen.

Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction, expected in this age patient. Non-obstructive linear multifocal hyperechoic diverticular foci with acoustic shadowing are noted in the left kidney. The left kidney measures 4.7 cm. The right kidney measures 5.0 cm.

Adrenal Glands

The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 3.6 mm and the caudal pole measures 3.9 mm.

The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 6.5 mm and the caudal pole measures 3.5 mm.

Spleen

The spleen is normal in size, shape, margination and echogenicity. No masses are seen. Normal blood flow is evident.

Liver

The liver presents normal size and shape with smooth lobar margins. The parenchyma has normal echogenicity with normal echotexture. No focal lesions are seen. Intrahepatic bile ducts are normal. Normal vascular pattern.

The gallbladder presents normal size with anechoic contents. Normal gallbladder wall. No evidence of bile duct distention or obstruction.

Gastrointestinal

The stomach and intestines have normal wall layering and thickness. Colon contains formed stool with normal wall thickness.

Pancreas

The visible pancreas is normal in size with normal echogenic parenchyma and surrounded by normal peri-pancreatic mesentery.

Free Abdomen

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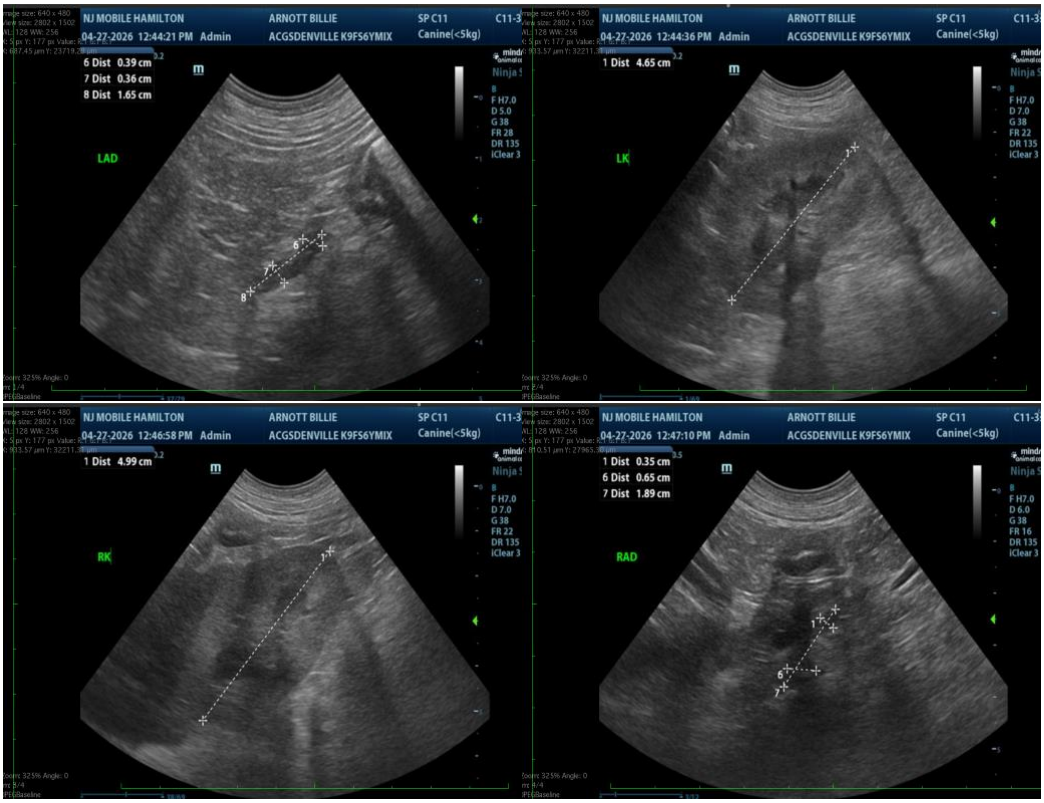
There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

ULTRASONOGRAPHIC FINDINGS

- Age-related renal changes.
- Formed stool in colon.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No cause for the patient's reported hematuria is seen on this exam. Consider obtaining blood pressure to rule out a hypertensive cause that may be causing a renal hematuria. If the urine culture and sensitivity that is reported to be pending is negative for bacterial growth and a bacterial urinary tract infection is ruled out, consider referring patient for cystoscopy to evaluate areas of the lower urinary tract not able to be seen on ultrasound such as the pelvic urethra biopsying. Recommend biopsying any abnormalities seen, potentially also culturing urinary bladder wall if cystoscopy is performed for organisms such as corynebacterium and to evaluate patient for possible renal hematuria as well.



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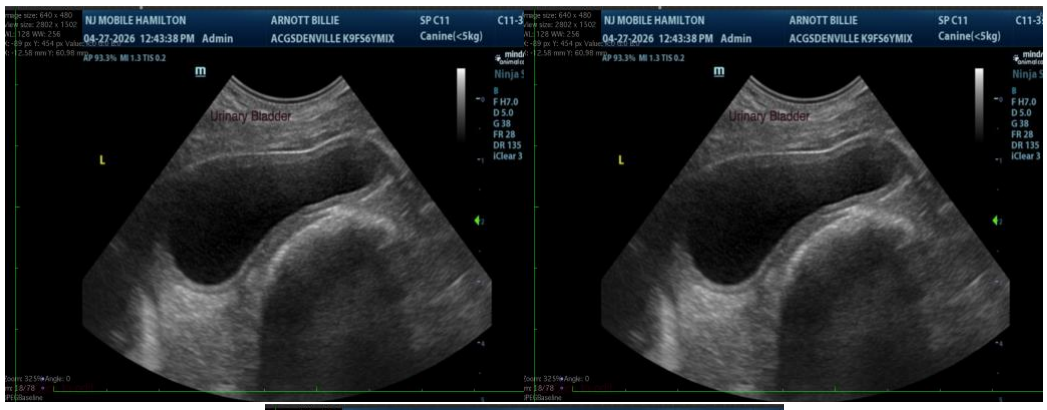

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Greg Kuhlman, DVM, DACVIM (SAIM)
Veterinary Internal Medicine Specialist
info@SonoPath.com