



**PATIENT**

Kevin Lubrano

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**AGE**

9 years

**WEIGHT**

10.1 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**HOSPITAL NAME**

Animal Hospital of  
Sussex County

**REFERRING VET**

Dr. Catania

**INVOICE**

17246

**DATE**

7/14/23

**PRESENTING CLINICAL SIGNS**

Large fluid pocket found on AUS for vomiting work-up..

Current Meds: Convenia given 7/7, Cefpodoxime po 50mg sid, Metronidazole po 40mg bid.

Abnormal PE/Chem/CBC/UA Results: WBC 28.18; NEUTS 22.87; MON 2.42; GLUC 183 (stess); K+ 3.4 (L); usg 1.050; +++wbc; +++rbc

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild, non-dependent, particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

No evidence of pathology in the area of the aortic trifurcation.

Normal size and primarily maintained symmetrical margination were present in the left kidney. Mild to moderately indistinct corticomedullary border was present with subtle subjective cortical hypertrophy and pinpoint medullary mineral. No left kidney pyelectasia was noted. The left kidney measured 3.8 cm in length.

The right kidney was enlarged in size with asymmetrical margination. Hyperechoic corticomedullary echogenicity was present in the right kidney with moderate loss of corticomedullary border demarcation. The right kidney was contained in a large, cyst-like structure containing primarily anechoic fluid with mild echogenic fluid component. The right kidney measured approximately 6.0 cm in length. The cystic-like structure surrounding the right kidney measured approximately 9.0 cm in diameter.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.48 cm width. The right adrenal gland was not definitively visualized owing to the cyst-like structure surrounding the right kidney. No overt pathology was noted in the area of the right adrenal gland.

**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 subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was normal in size appearing to be



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divided into two compartments both containing anechoic fluid, consistent with bilobed gallbladder which is a normal variant in a cat. The cystic and common bile ducts were normal.

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**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.

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

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**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.

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10.1 lbs.

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Mild urinary bladder sediment
- Left kidney mild nonspecific chronic changes with pinpoint medullary mineral
- Large cyst-like structure surrounding mildly enlarged hyperechoic to irregular right kidney
- Sonographically unremarkable gastrointestinal tract

**Secondary Findings**

- Bilobed gallbladder - normal variant in a cat

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Sonographically, the right kidney presentation was consistent with degenerative right kidney changes and moderately sized to large perinephric pseudocyst. Potential for infectious or neoplastic right kidney etiology is considered less likely.

Ultrasound-guided drainage of the cyst-like structure with cytospin cytology and fluid culture / sensitivity is recommended. Concurrent urine culture and sensitivity and baseline UPC level, if evidence of proteinuria, is suggested. As-needed gastrointestinal support, monitoring of renal parameters, given the high potential for underlying renal disease, as well as serial sonographic monitoring of the right kidney for evidence of recurrent or progressive perinephric fluid accumulation, is recommended.

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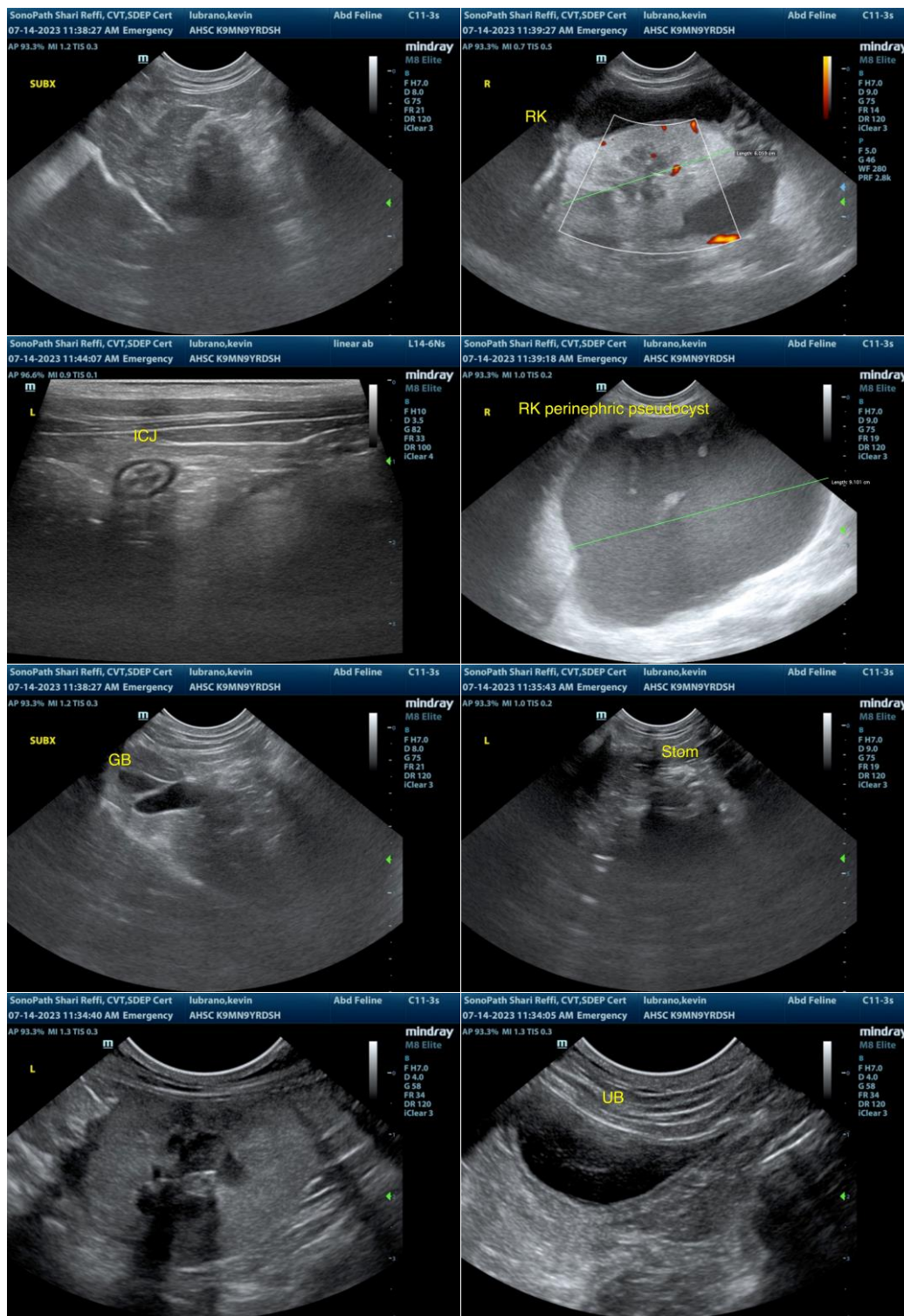
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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[info@sonopath.com](mailto:info@sonopath.com)

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