



PATIENT PRESENTING CLINICAL SIGNS

Rosie Vanbeek Rosie Vanbeek: Patient presented for acute onset vomiting. With possible concern for foreign body. Patient responded well to subcutaneous fluids and cerenia. Physical exam and x-rays both revealed possible renomegaly. Lab work reveals severe azotemia with us SDMA > 100. Concern for congenital kidney disease versus toxin exposure. Patient has been on Sabatini's foods and Pepcid since Friday.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

DSH

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 were noted.

SEX

Intact Female

The area of the aortic trifurcation was free of pathology.

AGE

14 weeks

The kidneys exhibited bilateral mild renomegaly given the age of the patient. 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. No evidence of obvious retroperitoneal inflammation or effusion was noted. The left kidney measured 3.9 cm in length. The right kidney measured 3.8 cm in length.

WEIGHT

2.74 lbs.

Adrenal Glands

INTERPRETED BY

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.35 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.42 cm width.

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

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. The spleen measured 0.45 cm width.

HOSPITAL NAME

Sierra Pet Clinic

Liver

REFERRING VET

Dr. Garcia

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 non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

INVOICE

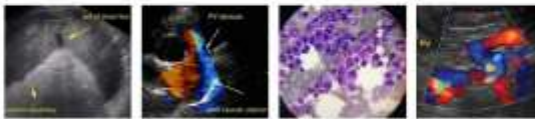
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Gastrointestinal

DATE

8/9/21

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic ingesta with progressive distal acoustic shadowing. This is most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.



PATIENT

Rosie Vanbeek 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 width measured 0.22 cm. The jejunum wall width measured 0.22 cm.

SPECIES

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

Feline

The pancreas was normal in overall size and contour with subtle hypoechoic parenchyma compared to adjacent omentum.

BREED

DSH

Free Abdomen

SEX

Intact Female

Intermittent, mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of the lymph nodes measured 0.4 cm diameter. Small pockets of scant peritoneal free fluid were noted. Normal uniform omental echogenicity was noted.

AGE

14 weeks

ULTRASONOGRAPHIC FINDINGS

- Bilateral renomegaly, given the age of the patient, with intact architecture and 1:3 cortex/medulla ratio - consistent with acute nephropathy
- Subtle hypoechoic pancreas - nonspecific, patient variant with potential for low-grade inflammation possible
- Intermittent minor mesenteric lymphadenopathy - minor lymphoid hyperplasia or immunologic immaturity likely
- Small pockets of scant peritoneal free fluid - suspect incidental given the age of the patient

WEIGHT

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DABVP (Canine and Feline)

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the bilateral kidneys is most consistent with acute nephropathy as opposed to renal dysplasia or other chronic nephropathy. Renal toxic insult may be considered a primary differential diagnosis. Overt evidence of emerging renal lymphoma or FIP was not present and is considered a less likely differential diagnosis. Therapy for acute renal failure with monitoring of body weight and urine output as well as monitoring of renal parameters is recommended.

Prognosis is dependent upon renal response to therapy. Continued gastroprotectants would be appropriate.



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Rosie Vanbeek

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Feline

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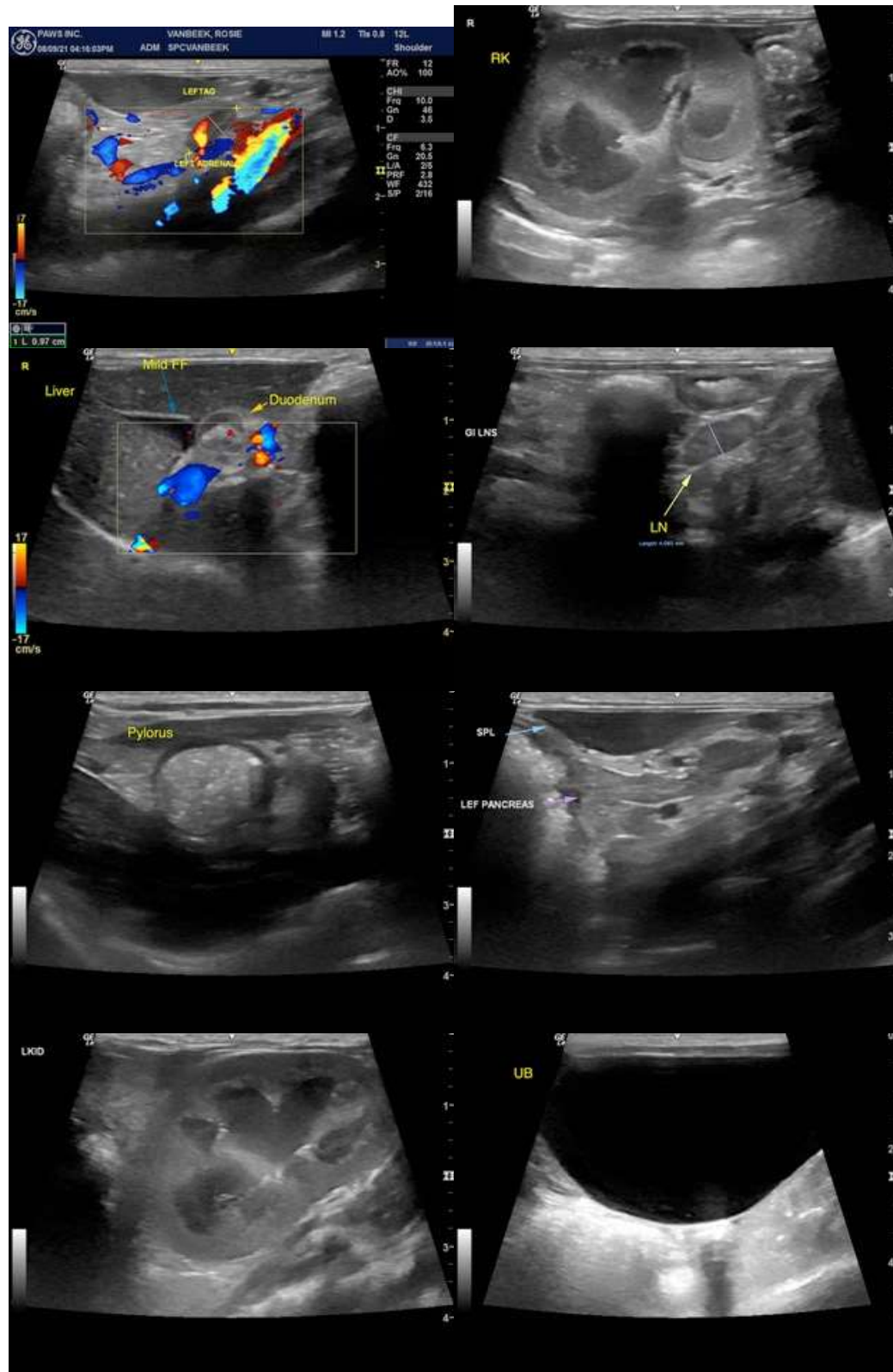
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8/9/21





PATIENT

Rosie Vanbeek

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

SPECIES

Feline

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.

BREED

DSH

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
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