

PATIENT

Nyla Pursley

PRESENTING CLINICAL SIGNS

recurrent UTI Reason for Ultrasound: repeat urinary tract infections despite culture and recommended antibiotics in young dog SEDATED

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

GSH

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. A small amount of echogenic debris is observed within the lumen, some of which is gravity dependent, and some of which is suspended. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Intact Female

The left kidney presented normal size (7.03 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

AGE

6 Months

The right kidney presented normal size (7.11 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

50 Pounds

Adrenal Glands

INTERPRETED BY

Andrea Nicastro, DMV,
Diplomate DACVIM
(Small Animal
Internal Medicine)

One still image of the left adrenal gland is available for interpretation. The left adrenal gland appears normal in size with normal shape and smooth peripheral contours. The caudal pole measured 0.42 cm.

The right adrenal gland is normal size (0.60 cm at cranial pole) (0.49 cm at caudal pole) (2.06 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

Spleen

The spleen is normal in size (1.55 cm) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

HOSPITAL NAME

Brighton Greens VH

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed.

REFERRING VET

Dr. Robin Janeway

INVOICE

33894

The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

Gastrointestinal

DATE

12/31/21

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The



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Nyla Pursley small intestinal lumen is not dilated. The small intestinal wall thickness is normal (xxx cm) with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive or overt infiltrative disease is noted.

SPECIES

Canine

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

BREED

GSH

Free Abdomen

Trace free fluid is observed. Several prominent lymph nodes are observed throughout the abdomen including mesenteric and sublumbar nodes in the cranial abdomen. The largest node measured 0.53 cm in length.

SEX

Intact Female

Other

AGE

6 Months

The left ovary measures 1.16 cm x 0.58 cm. The right ovary measures 1.62 cm x 0.61 cm. The ovaries are subjectively normal in size with normal shape and homogeneous parenchyma. No obvious pathology observed. The uterus is visualized and appears normal. The left horn measured 0.42 cm in width. The right horn measures 0.40 cm in width. The uterine body measured 0.53 cm in width.

WEIGHT

50 Pounds

PRIMARY FINDINGS

- The urinary bladder debris could be consistent with cells, crystals, and/or exfoliating material.
- An obvious cause for the patient's recurring urinary tract infections is not identified in this study. Considerations include resistant UTI, anatomic predisposing factors, other.

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SECONDARY FINDINGS

- The prominent abdominal lymph nodes are likely secondary to immunologic immaturity and/or reactive change.
- The significance of the trace ascites is unclear, but is likely a benign insignificant finding in this young patient.

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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A prolonged antibiotic course (i.e., 3-4 weeks) based on urine culture and sensitivity results may be warranted given the recurring urinary tract infections. A urine culture performed halfway through the antibiotic course and again 5-7 days after the last dose is recommended. A thorough evaluation of the external genitalia should also be performed to assess for anatomic defects, etc. Baseline lab work including a CBC/Chem panel and T4 is recommended to assess metabolic function, if not already performed.

REFERRING VET

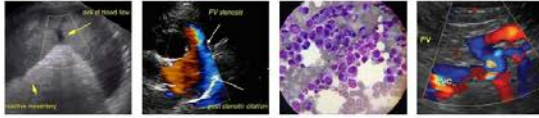
Dr. Robin Janeway

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SPECIES

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IMAGING PERFORMED BY

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HOSPITAL NAME

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REFERRING VET

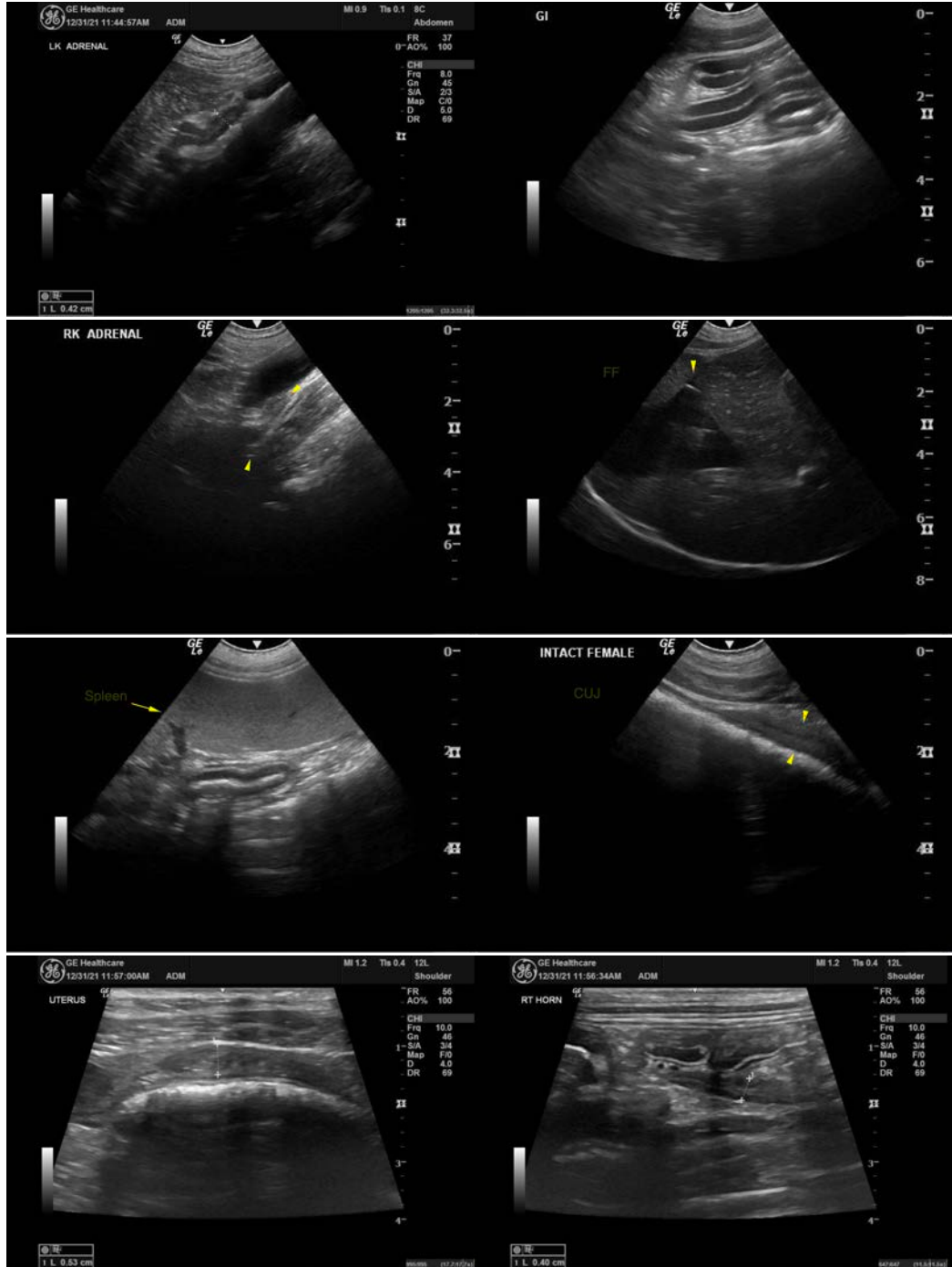
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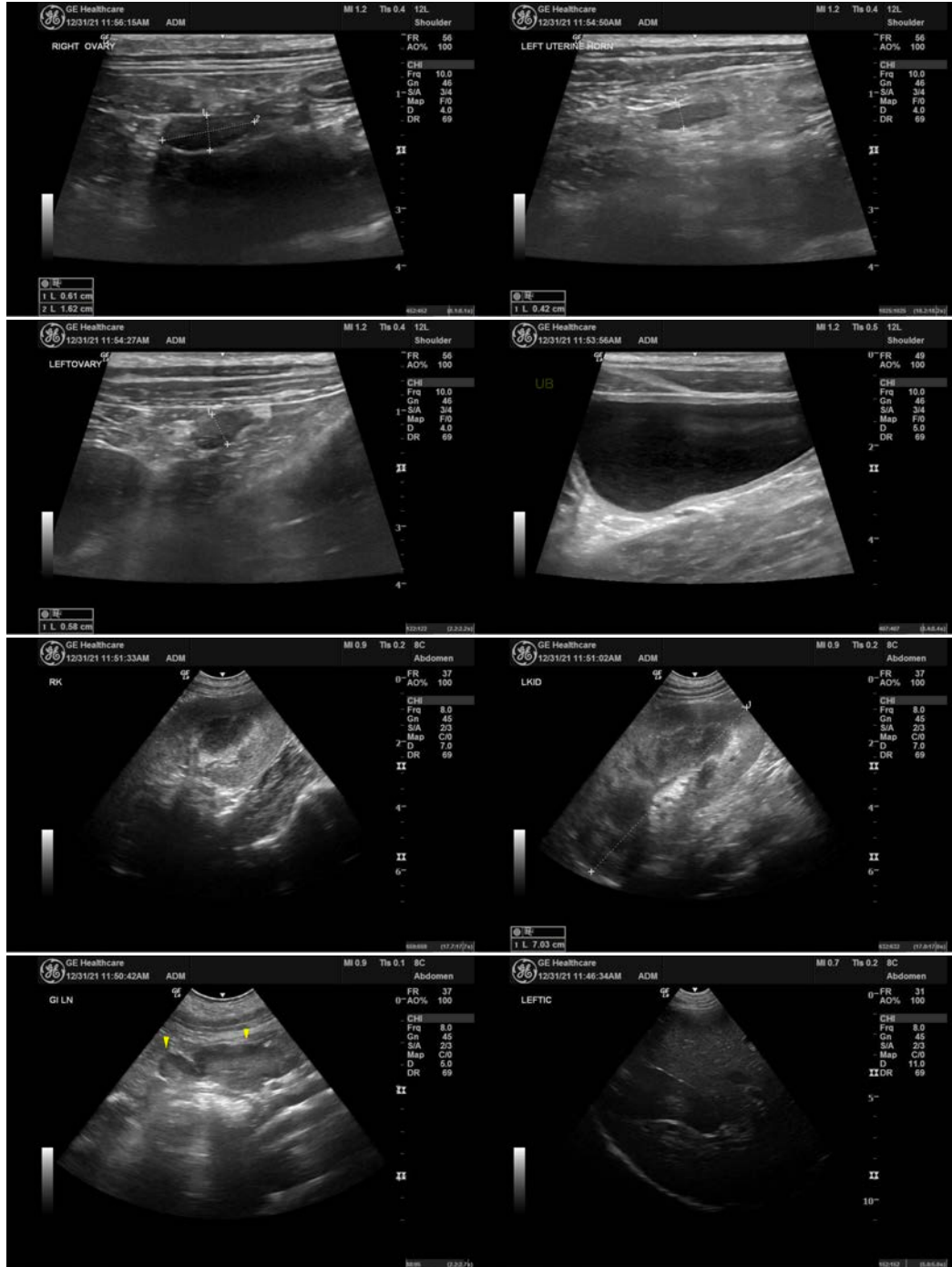
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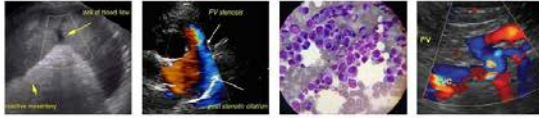


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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

BREED

GSH

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SEX

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