



## PATIENT

Sarena Rinkel

## SPECIES

Canine

## BREED

Boxer

## SEX

Spayed female

## AGE

13 years

## WEIGHT

49.5 lbs

## INTERPRETED BY

Remo Lobetti, BVSc,  
MMedVet (Med),  
PhD, Dipl. ECVIM

## IMAGING PERFORMED BY

Arielle Roldan, CVT

## HOSPITAL NAME

Milford AH

## REFERRING VET

Dr. Grasso

## INVOICE

70115

## DATE

1/14/26

## PRESENTING CLINICAL SIGNS

History: Ongoing recurring chronic UTI. Is on ursodiol and liver support. Concern for kidney / urinary bladder/ urethra issues

Abnormal PE/Chem/CBC/UA Results: All results attached

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The urinary bladder is full with a normal thickness and smooth appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.

Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

Normal renal size (left measured 5.6 cm, right measured 5.5 cm), architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident. Normal color flow pattern is noted in both kidneys.

### *Adrenal Glands*

The adrenal glands are not visualized.

### *Spleen*

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident. The spleen measured 1.7 cm in width.

### *Liver*

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Normal appearance of the hepatic and portal vasculature.

### *Gallbladder*

The gallbladder is small containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.



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## *Gastrointestinal*

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen. A small amount of ingesta is present within the stomach. This is compatible with a recent meal.

## *Pancreas*

The visible sections of the pancreas are of normal size and echogenic appearance with a regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

## *Free Abdomen*

Normal mesenteric lymph nodes.

No ascites evident.

## ULTRASONOGRAPHIC FINDINGS

- Normal ultrasound examination of the abdomen.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

On this ultrasound there is no obvious etiology for the chronic urinary tract infection.

Etiologies to consider would be chronic low-grade bacterial cystitis, intravaginal pathology and perivulvar dermatitis.

Further assessment would be urine culture and vaginoscopy.

Specific therapy would be dependent on an etiological diagnosis. If perivulvar dermatitis is present then an episoplasty would be indicated.

Management of chronic bacterial cystitis with long term antimicrobial therapy (4-6 weeks) with urine culture repeated at 24 hours and 7 days after completion of the anti-microbial therapy to ensure eradication of the infection. Antimicrobial therapy needs to be based on sensitivity results.



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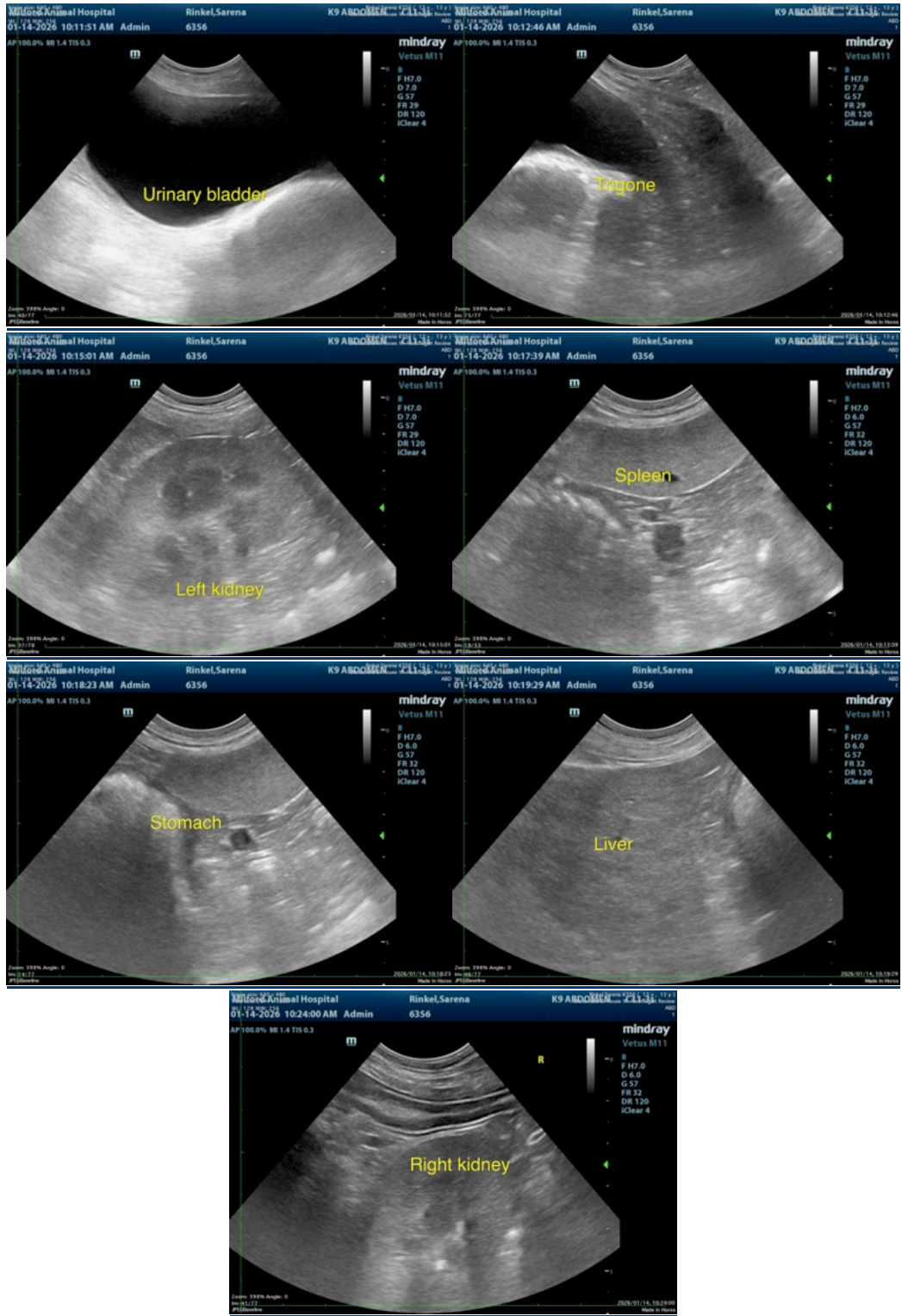
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The information and recommendations provided are based on the images presented by the



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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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)

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