



**PATIENT PRESENTING CLINICAL SIGNS**

Chaos Beall Fever, lethargy, inappetence, hypersalivation, intact male, hx of prostatic cyst but was not neutered at time of surgery. Strains on rectal exam. Current Medications Ampicillin IV, Cerenia IV

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

BREED

Labrador Retriever

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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

MI

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present.

AGE

12y

The left kidney measured 8.0 cm in length. The right kidney measured 7.0 cm in length.

WEIGHT

68lb

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

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

The prostate was enlarged in size with intact, primarily symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was heterogeneous with a mixed pattern of varying echogenicity without evidence of parenchymal mineralization. A solitary intraparenchymal cyst measuring 2.0 cm in diameter was present. The prostate measured 7.5 cm x 5.4 cm.

The bilateral testicles were sonographically normal. The right testicle measured 4.3 cm. The left testicle measured 4.4 cm.

IMAGING PERFORMED BY

Jenna Walsh CVT

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.1 cm width at the caudal pole and 3.0 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.86 cm width at the caudal pole and 2.0 cm length.

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**Spleen**

The spleen exhibited areas of asymmetrical to non-uniform contour with a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Several variably sized parenchymal cysts were present an example measuring 2.0 cm in diameter. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

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**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. 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.

DATE

08/18/2022



**PATIENT** *Gastrointestinal*

Chaos Beall The stomach presented wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. Mild gastric distension with primarily anechoic fluid and chyme was present.

**SPECIES**

Canine The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. A segmental to diffuse ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material.

**BREED**

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

**SEX**

*Pancreas*

MI 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 was evident.

**AGE**

12y *Free Abdomen*

**WEIGHT**

68lb No peritoneal effusion was present.  
Focal, mildly prominent to enlarged medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 3.1 cm x 0.86 cm width.

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**ULTRASONOGRAPHIC FINDINGS**

- Prostatitis with intermittent parenchymal cysts-potential septic prostatitis
- Mild age-related kidney changes
- Irregular spleen with maintained homogenous parenchyma-benign
- Gastroenteritis

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PERFORMED BY**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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No overt evidence of prostatic neoplastic criteria was observed in this study. Prostatic sampling for cytology as well as C/S required for further clarification. Ultrasound guided prostate FNA or prostatic wash is suggested. Castration with empirical therapy for septic prostatitis which may include anti-inflammatory and antibiotic therapy pending C/S results.

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The irregular spleen may be a patient variant without overt evidence of neoplastic criteria.

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As needed GI support is recommended. Sonographic monitoring of the prostate post neuter would be ideal.

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Chaos Beall

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Canine

**BREED**

Labrador Retriever

**SEX**

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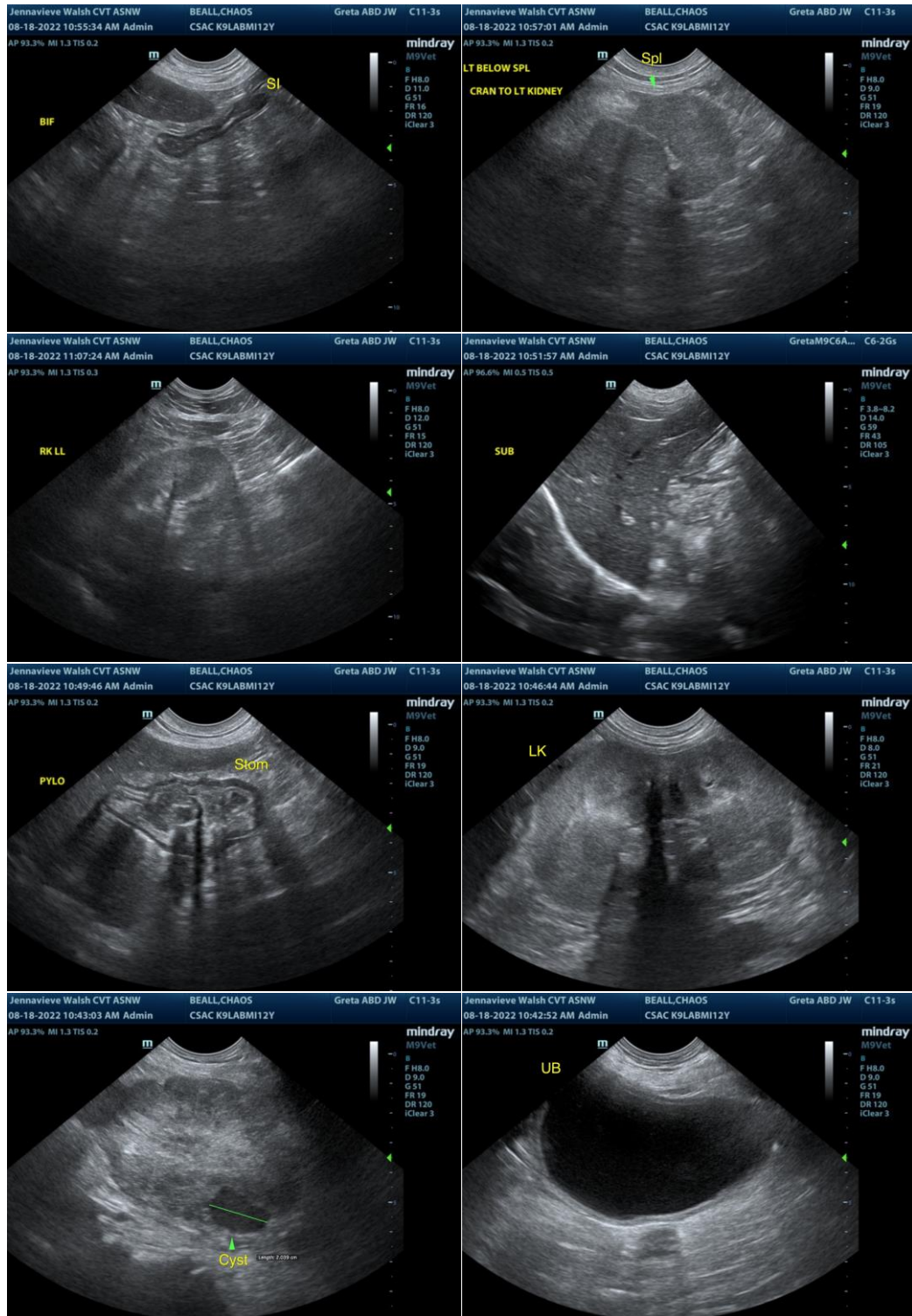
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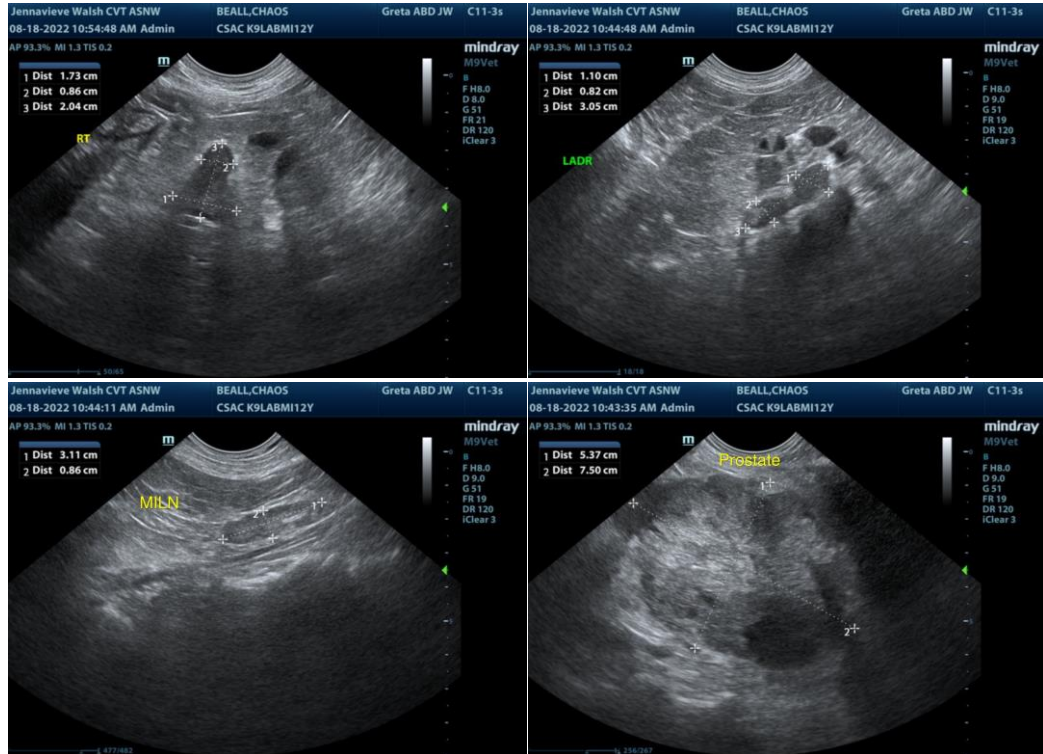
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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