



PATIENT PRESENTING CLINICAL SIGNS

SPECIES Canine
Saul Luz Decreased appetite large amounts of blood dripping from penis - frank blood enlarged semi soft prostate urethral/bladder fluid via urinary catheter - TNTC RBC, 2-3 WBC.hpf, 3-4 transitional cells/HPF, 1+cocci bacteria Current Medications Trazodone, Baytril, Deramaxx, ApoAmoxiClav

BREED Beagle/Hound
Abnormal PE/Chem/CBC/UA Results: WBC 20.52 (5.05 - 16.76) Neut 15.4 (2.95 - 11.64) MONO 2.38 (0.16 - 1.12)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX Intact Male
The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

AGE 8 Years
Prostate is symmetrically enlarged with smooth margins that are well differentiated from surrounding tissue. Normal bilobed shape is maintained. Parenchyma is diffusely markedly heterogeneous and diffusely hyperechoic. Several small anechoic cysts are noted. No mineral is noted. Surrounding area is hyperechoic/enhanced.

WEIGHT 38.5 kg
The right kidney is normal in size (8.38 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

INTERPRETED BY

Beth Johnson, DVM
DACVIM
The left kidney is normal in size (6.46 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

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Adrenal Glands

Kelly Reschny
The right adrenal gland is normal in size (2.46 cm long x 1.83 cm at the cranial pole and 0.66 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

HOSPITAL NAME

Main Street AH
The left adrenal gland is normal in size (2.82 cm long x 0.54 cm at the cranial pole and 0.60 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

REFERRING VET

Spleen

Dr. Morris
The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). A 0.60 cm x 0.80 cm hypo- to anechoic non-capsule disrupting nodule is noted near the tail of the spleen. Splenic vasculature appears normal.

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Liver

4/19/23
The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.



PATIENT *Gastrointestinal*

Saul Luz The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

SPECIES

Canine The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

BREED

Beagle/Hound

SEX

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Intact Male

Pancreas

AGE

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

8 Years

WEIGHT

Free Abdomen

38.5 kg

There is no evidence of free peritoneal effusion noted in these images.

INTERPRETED BY

There is no apparent lymphadenopathy noted in these images.

Beth Johnson, DVM
DACVIM

The testicles are not visualized in these images.

ULTRASONOGRAPHIC FINDINGS

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- The prostatic appearance is concerning for active prostatitis on top of benign prostatic hyperplasia with concurrent benign prostatic cysts. Infiltrative neoplasia is considered less likely but cannot be ruled out without further testing.
- **Hypo to anechoic splenic nodule** – likely represents a benign lesion such as a cyst, hematoma, nodular hyperplasia, extramedullary hematopoiesis, etc., however while considered less likely, infiltrative neoplasia can mimic benign lesions, and cannot be ruled out.

Kelly Reschny

HOSPITAL NAME

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Main Street AH

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Urinalysis and urine culture, if indicated based on urinalysis results, are recommended. Submission of urine to look for BRAF gene mutation, which is associated with urinary bladder cancer, could be considered. Other diagnostic options include traumatic catheterization, fine needle aspirate (with small risk of tumor seeding/trailing) or cystoscopy for further sampling.

Dr. Morris

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Ultimately, pending above results as well as patient's response to medical management for suspected bacterial prostatitis, etc., neutering is recommended.

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Canine

BREED

Beagle/Hound

SEX

Intact Male

AGE

8 Years

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38.5 kg

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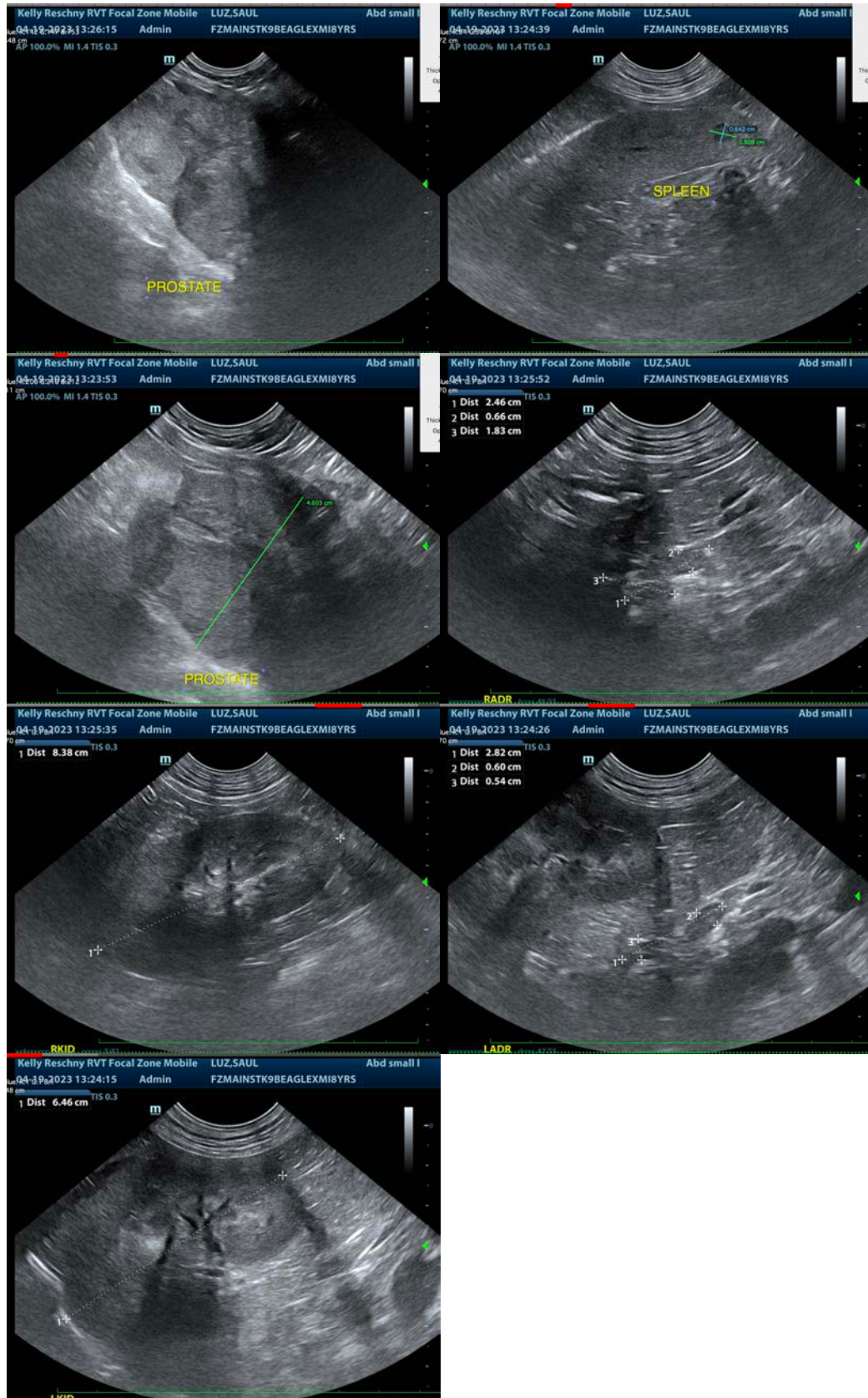
Dr. Morris

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PATIENT

Saul Luz

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.

SPECIES

Canine

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

Beagle/Hound

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com

SEX

Intact Male

AGE

8 Years

WEIGHT

38.5 kg

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DACVIM

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