



| PATIENT | PRESENTING CLINICAL SIGNS |
|--|--|
| Dino Petersen | Dino is a 7 YO MC Mix breed who presented for prostate issues. P will strain to defecate and yelp out in pain. P has only been having loose BM since symptoms started. RDVM recommended neuter as soon as possible. |
| SPECIES | |
| Canine | Markedly enlarge prostate and painful to palpate; anal glands empty CBC: nsf |
| BREED | COMP: mild hyperglycemia |
| Mixed | EPOC: HCT: 56%, mild elevated lactate PCV/TS: 58%/8.8 g/dl |
| SEX | Note: The study contained 25 still images and 5 videos for review. |
| MI | The patient is listed as a castrated male, but the history suggests the patient is an intact male. |
| AGE | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| 7yr | Urinary System |
| WEIGHT | 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. |
| 19kg | Normal size and margination were present in the kidneys. 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 pelvic dilation. The left kidney measured 6.3 cm in length. The right kidney measured 6.7 cm in length. |
| INTERPRETED BY | The area of the aortic trifurcation was free of pathology. |
| R. McKenzie Daniel, DVM, DABVP (Canine and Feline) | The prostate was indistinctly visualized secondary to overlaying pelvic shadowing. The visualized prostate appeared to be subjectively mildly enlarged exhibiting uniform parenchyma. No overt visualized parenchymal mineralization was present. |
| IMAGING PERFORMED BY | Adrenal Glands |
| Dr. Lemanski | The left and right adrenal glands were not definitively visualized. No obvious pathology was present in the area of the bilateral adrenal glands. |
| HOSPITAL NAME | Spleen |
| Animal Emergency Deland | 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. |
| REFERRING VET | Liver/Gallbladder |
| Dr. Lemanski | 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 |
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PATIENT

Dino Petersen

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.

Gastrointestinal

SPECIES

Canine

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

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.

BREED

Mixed

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

Pancreas

SEX

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

7yr

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

19kg

- Subjective mild enlarged visualized prostate
- Normal urinary bladder
- Normal visualized distal colon

ULTRASONOGRAPHIC FINDINGS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The prostate was indistinctly visualized owing to overlying pelvic shadowing but subjectively appeared to be mildly enlarged and uniform. Benign prostatic hyperplasia, prostatitis, or less likely based on limited visualization, prostatic neoplasia. Prostatic sampling would be required for further assessment. Neuter likely ideal assuming the patient in intact and empirical therapy for prostatitis given reported painful prostatic palpation could be considered if strong suspicion for prostatitis. Sonographic monitoring / reassessment of the prostate is recommended.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Lemanski

HOSPITAL NAME

Animal Emergency
Deland

REFERRING VET

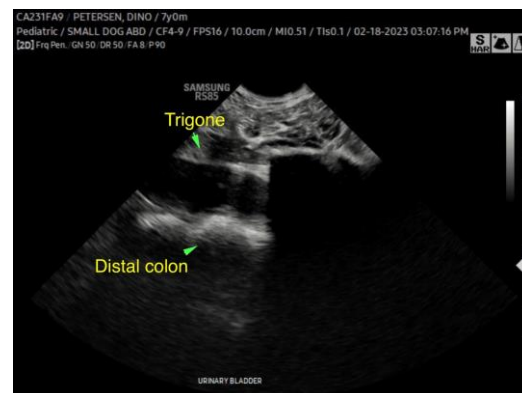
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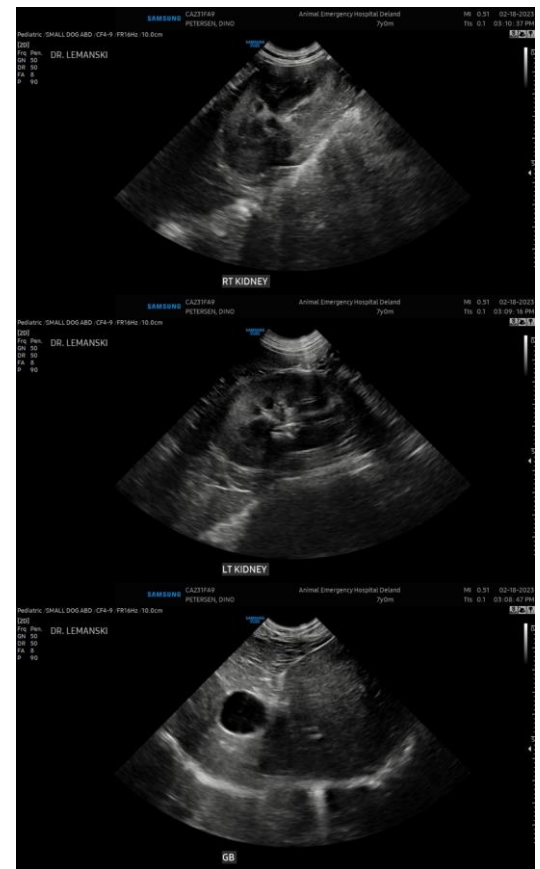
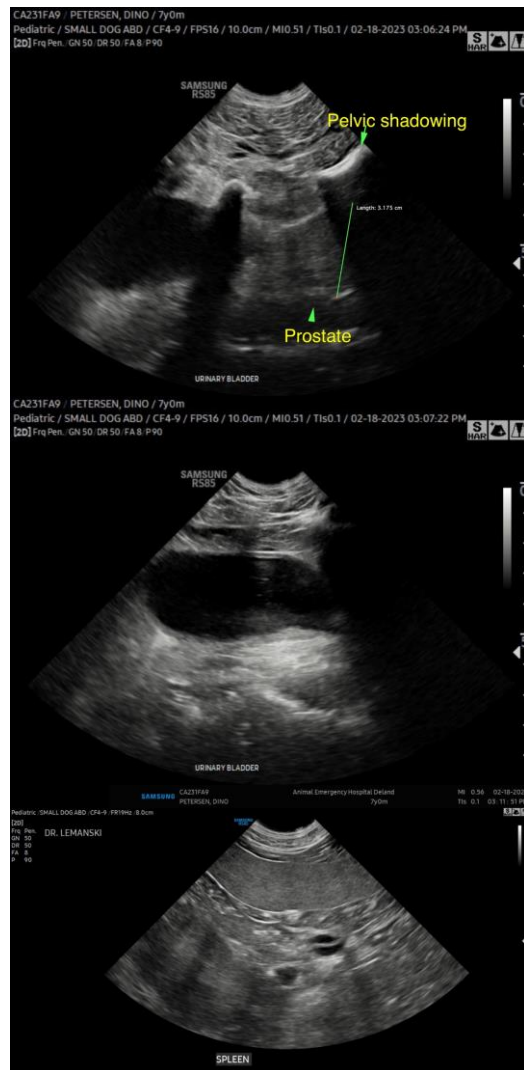
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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