

PATIENT PRESENTING CLINICAL SIGNS

Diesel Lively Urinating while walking (will begin urinating and continue to walk until finished). Seems to only urinate small amounts at a time. Attention to adrenals and prostate.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Mustelid Domestic Ferret

Urinary System

BREED

Ferret

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 1.0 cm 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

Neutered Male

The area of the aortic trifurcation was free of pathology.

The prostate exhibited subjective enlargement, exhibiting mild non-homogeneous parenchyma, measuring approximately 0.8 cm x 0.68 cm. Suspect mild impingement upon the ventral aspect of the adjacent descending colon.

AGE

4 Years

Normal size and margination was 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 right kidney measured 2.7 cm. The left kidney measured 2.5 cm.

WEIGHT

920 g

Adrenal Glands

The left adrenal gland exhibited subjective symmetrical enlargement with maintained capsule integrity, uniform hypoechoic parenchyma. No evidence of mineralization. The left adrenal gland measured 0.92 cm length x 0.62 cm width. The labeled right adrenal gland was sonographically unremarkable, measuring 0.30 cm in width.

INTERPRETED BY

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

Spleen

The spleen exhibited generalized enlargement with mildly rounded to asymmetrical medial capsule contour. Subjectively maintained finely textured homogeneous parenchyma was present. Normal splenic vascularity. Small pockets of scant perisplenic free fluid were present.

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

Liver

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 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.

HOSPITAL NAME

Littleton AH

REFERRING VET

Dr. Dawn Brooks

Gastrointestinal

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.

INVOICE

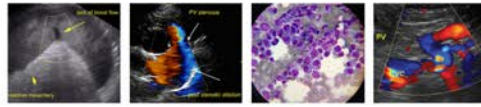
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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

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

DATE

1/13/22



PATIENT *Pancreas*

Diesel Lively 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.

SPECIES *Free Abdomen*

Mustelid Domestic Ferret Intermittent, mildly prominent to enlarged mesenteric nodes were present. The lymph nodes exhibited subtle non-homogeneous, isoechoic to mildly hypoechoic parenchyma. Example measured 1.0 cm length x 0.37 cm. An additional mesenteric lymph node measured 0.47 cm in width. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED
SEX **ULTRASONOGRAPHIC FINDINGS**

- Neutered Male
- Non-specific splenomegaly with concurrent scant perisplenic free fluid
 - Enlarged left adrenal gland – adenoma or adenocarcinoma suspected, potentially functional.
 - Sonographically unremarkable urinary bladder
 - Prostatomegaly
 - Intermittent non-specific mesenteric lymphadenopathy

AGE **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

4 Years
 Primary concern for left adrenal adenoma with secondary prostatomegaly or potential prostatitis and secondary urinary signs considered likely in this case. Treatment for adrenal disease likely indicated. The splenomegaly is non-specific with considerations including benign enlargement (hyperplasia, hematopoiesis, etc.), while the possibility of infiltrative splenic disease cannot be excluded. Assuming normal clotting status and using 25-gauge needle, ultrasound guided FNA of the spleen warranted for screening cytology and further clarification.

WEIGHT
 920 g

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

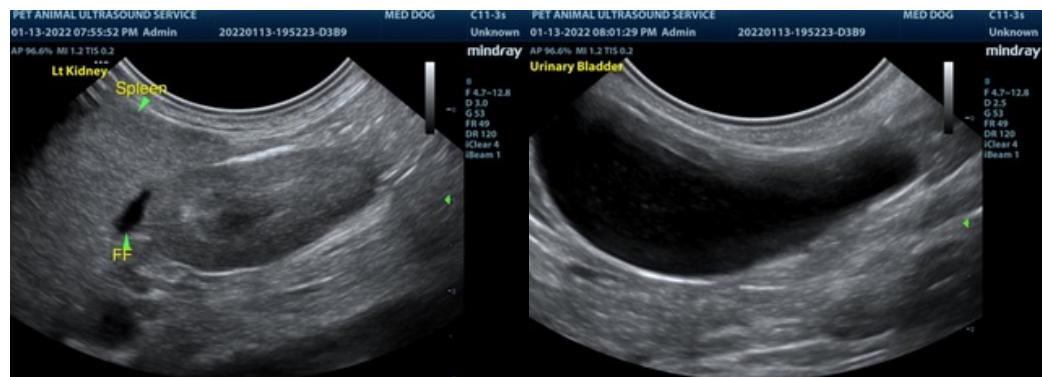
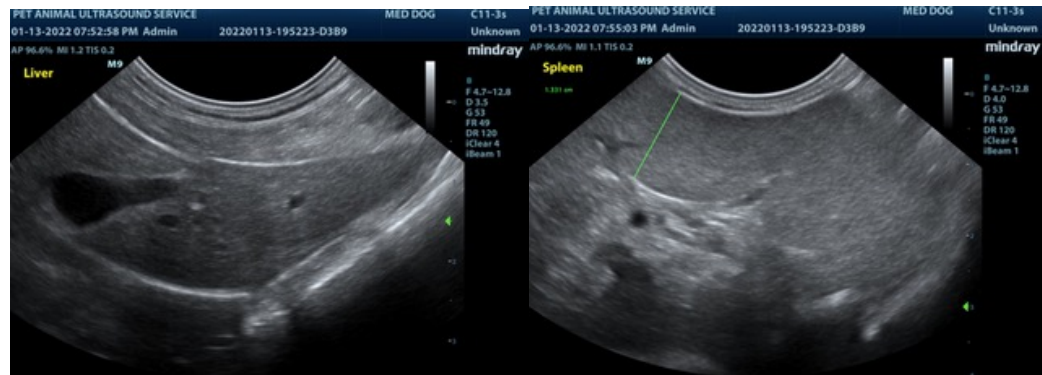
IMAGING PERFORMED BY
 Pamela Harrigan, RDCS

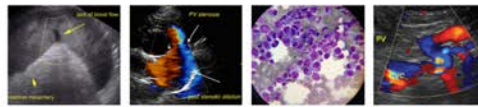
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 Dr. Dawn Brooks

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PATIENT

Diesel Lively

SPECIES

Mustelid Domestic Ferret

BREED

Ferret

SEX

Neutered Male

AGE

4 Years

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920 g

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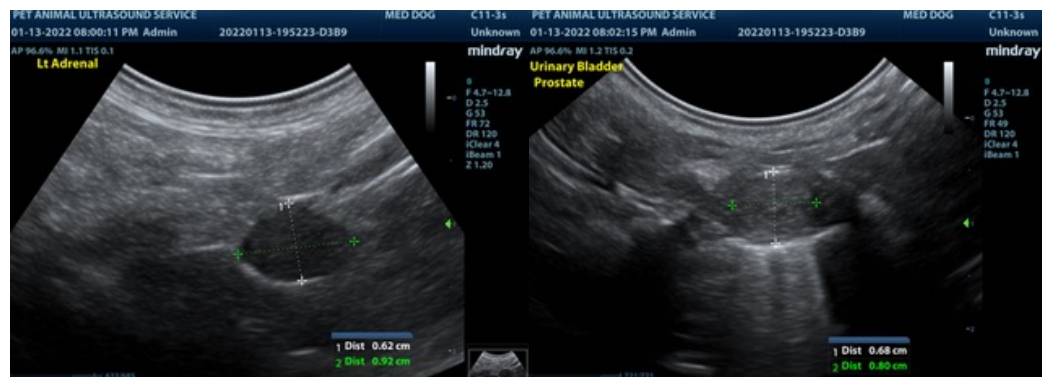
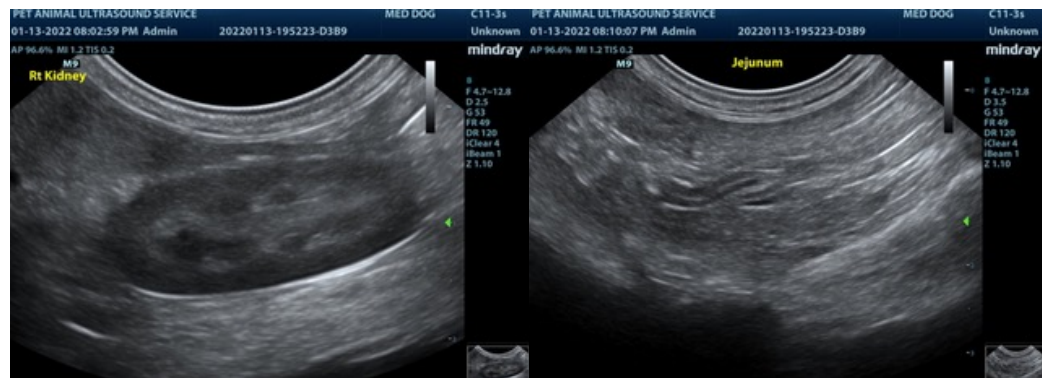
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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