



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Hugo Clark
SPECIES Canine
BREED English Bulldog

PRESENTING CLINICAL SIGNS
History: - Since early March ongoing leaking from rectum with smaller than normal balled stool (like rabbit poop according to o). Losing weight, not eating as well. Is very gassy. Has difficulty sitting, o thinks hips are sore. Also noticing he is having difficulty holding his bladder. - On exam, anal sphincter response was slightly weaker than I would expect, and the internal rectum was severely distended with gas. Hind legs had brief knuckling on neuro exam but also had moderate muscle wasting, and was extremely stiff on extension of the hip joint. Neuro exam otherwise WNL. - History of atopic dermatitis and hypothyroidism, recently switched to hypoallergenic diet (since May 6th, 2022) meds: Levothyroxine 0.6mg BID

Abnormal PE/Chem/CBC/UA Results: CBC WNL. ALT 333 (increase), ALP 66 (increase), cholesterol 12.8 (increase). cPL WNL.

SEX

MN

AGE

10 yr

WEIGHT

37 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Preston AC

REFERRING VET

Dr. Gerritsen

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05/13/2022

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with small dependent calculus measuring 1.1 cm in diameter and minor nondependent sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

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. The left kidney measured 7.6 cm in length. The right kidney measured 6.9 cm in length.

The area of the aortic trifurcation was free of pathology.

No overt pathology in the area of the residual prostate.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.70 cm width at the caudal pole and 3.1 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.85 cm width at the caudal pole and 2.5 cm length.

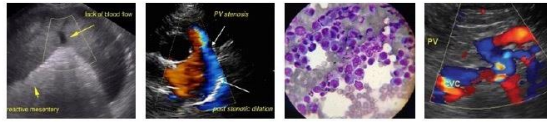
Spleen

The spleen was not definitively visualized. No overt pathology in the area of the spleen.

Liver

The liver exhibited mild enlargement, areas of mild capsule asymmetry with normal parenchyma echogenicity exhibiting moderate coarse echotexture and minor parenchyma remodeling. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content and mild nondependent debris. The cystic and common bile ducts were normal.

Gastrointestinal



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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.

SPECIES

Canine

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.

Pancreas

BREED

English Bulldog

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.

Free Abdomen

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No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

10 yr

- Small UB calculus
- Hepatopathy exhibiting mild capsule asymmetry
- Minor GB debris
- Overtly normal GI tract/colon
- Age related kidneys

WEIGHT

37 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A full urinary workup including UA, C/S +/- baseline UPC on sterile sample for further renal staging is recommended.

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(Canine and Feline)

Overall, the liver presentation was nonspecific with considerations including low grade chronic inflammatory hepatopathy given the elevated ALT, vacuolar hepatopathy or other. Neoplastic criteria is considered less likely. Assuming normal clotting status a hepatic FNA for screening cytology and hepatosupportive medications including Denamarin and Ursodiol are recommended. No overt evidence of gastroenterocolic structural or mural pathology was present. The cause of the weight loss was not obvious.

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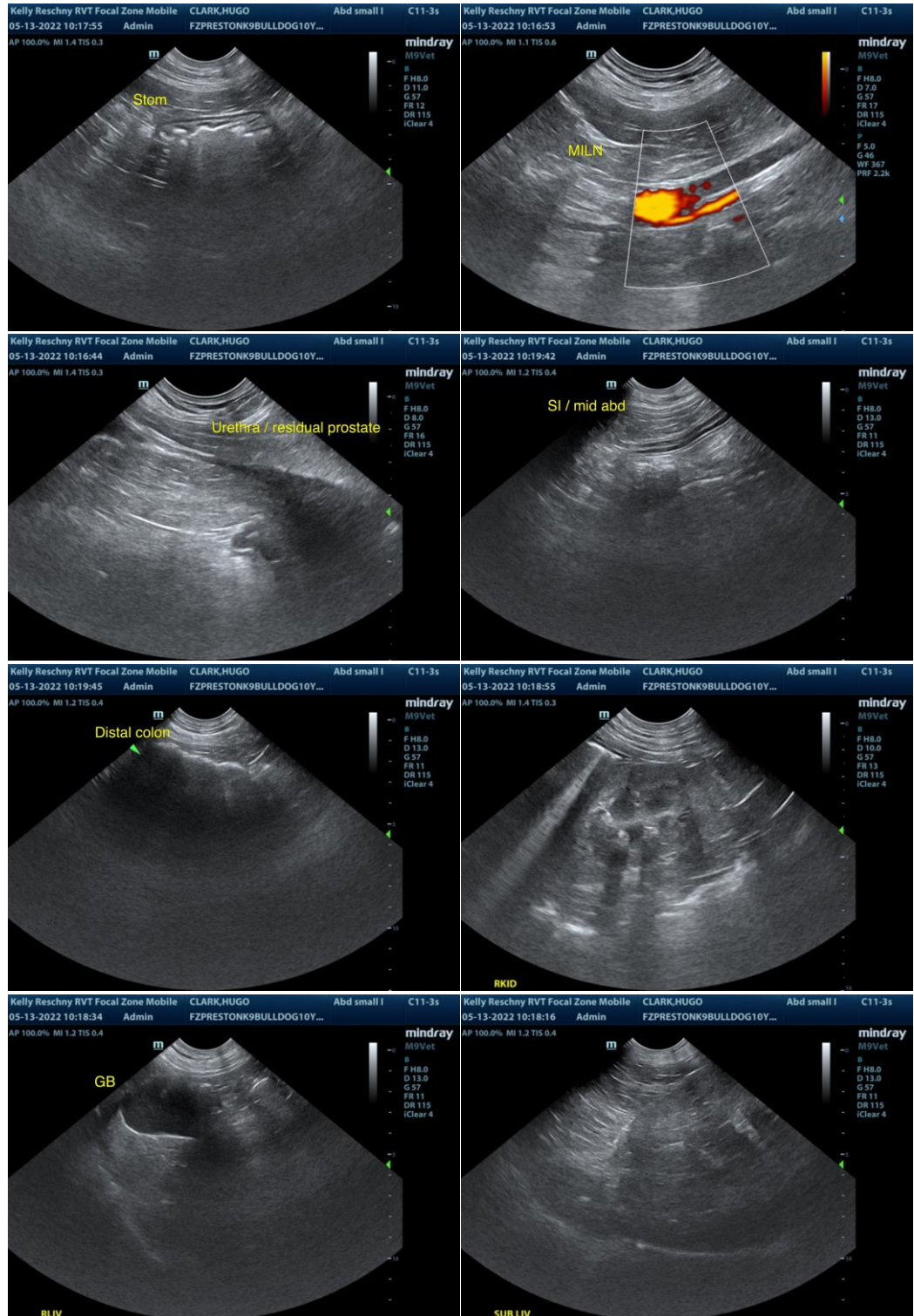
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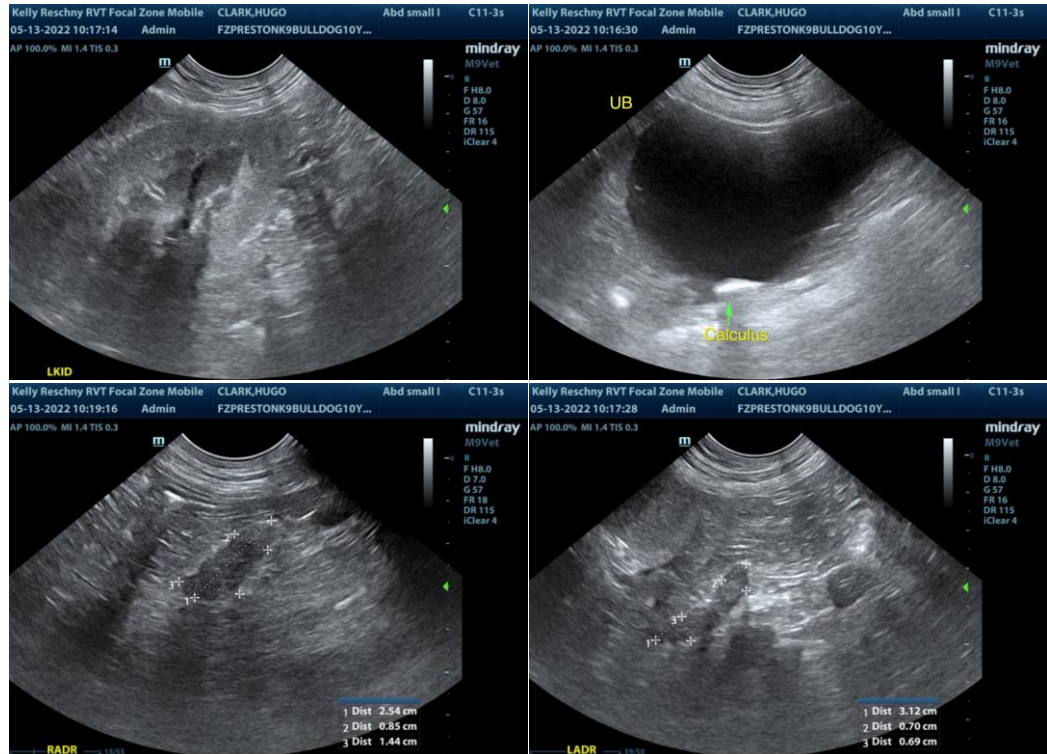
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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