

PATIENT PRESENTING CLINICAL SIGNS

Sadie Mackenzie owner feels Sadie looks bloated, unable to palpate abd as tense and overweight
Abnormal PE/Chem/CBC/UA Results: CBC - unremarkable. Chem - BUN 11.1, Crea 156, SDMA 15, Calcium 2.9, ALP 527.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Scotty

The urinary bladder was subnormal in size owing to lack of urine distention. Complete evaluation of the urinary bladder was limited owing to lack of luminal urine. No overt mural pathology noted. The urethra was normal to 2.0 cm.

SEX

Spayed Female

Normal renal size with primarily symmetrical margination was present in the left kidney. Loss of corticomedullary demarcation was noted owing to increased medullary echogenicity and subjective mild decreased medullary volume. The left kidney measured 4.5 cm.

AGE

6 Years

Normal renal size with symmetrical margination was present in the right kidney owing to probable lateral cortical infarct. Loss of corticomedullary demarcation was noted owing to increased medullary echogenicity and subjective mild decreased medullary volume. The left kidney measured 4.6 cm with mild pyelectasia.

The area of the aortic trifurcation was free of pathology.

WEIGHT

10.3 kg

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.0 cm length x 0.48 cm at the caudal pole. The right adrenal gland measured 1.4 cm length x 0.51 cm at the caudal pole.

INTERPRETED BY

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

Spleen

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.

IMAGING PERFORMED BY

Kelly Reschny

Liver

HOSPITAL NAME

Wellington AH

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Dennis

Gastrointestinal

INVOICE

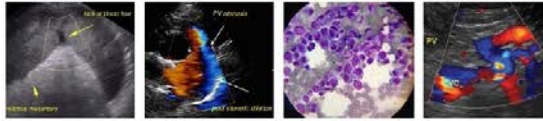
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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild echogenic, nonshadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material. Gastric body wall measured 0.52 cm.

DATE

9/29/21

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. Jejunum wall measured 0.33 cm.



PATIENT

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

Sadie Mackenzie

Pancreas

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

Canine

Free Abdomen

A focal area of mildly hyperechoic to reactive mesentery was noted in the mid abdomen, adjacent to the small intestine with focal scant pocket of peri intestinal free fluid. No overt lymphadenopathy.

BREED

Scotty

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

- Bilateral chronic degenerative renal changes – more prominent in the right kidney with likely right kidney cortical infarct, mild right kidney pyelectasia.
- Vacuolar hepatopathy pattern
- Non-specific regional mid abdominal reactive peri intestinal mesentery with focal scant free fluid

AGE

6 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Considerations for the kidneys may include potential for congenital renal dysplasia (given the patient's age) versus underlying non-specific chronic nephritis. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. The pyelectasia in the right kidney is likely owing to chronic renal changes or potential pelvic scarring with unlikely potential for chronic pyelonephritis.

WEIGHT

10.3 kg

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Feline)

Continued monitoring of ALP levels recommended given the breed propensity for ALP elevation. The mild regional inflamed mesentery or potential steatitis noted in the mid abdomen is of unclear clinical significance. This may potentially be owing to unknown trauma or segmental intestinal inflammation if gastrointestinal signs have been noted. Sonographic monitoring of this area (if clinically indicated) may be considered. Pending additional urinary workup, CKD treatment with monitoring of renal parameters and systemic blood pressure recommended.

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HOSPITAL NAME

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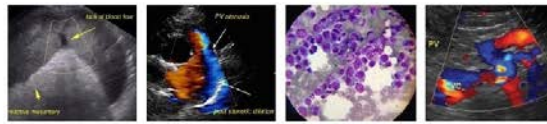
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PATIENT

Sadie Mackenzie

SPECIES

Canine

BREED

Scotty

SEX

Spayed Female

AGE

6 Years

WEIGHT

10.3 kg

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**IMAGING
PERFORMED BY**

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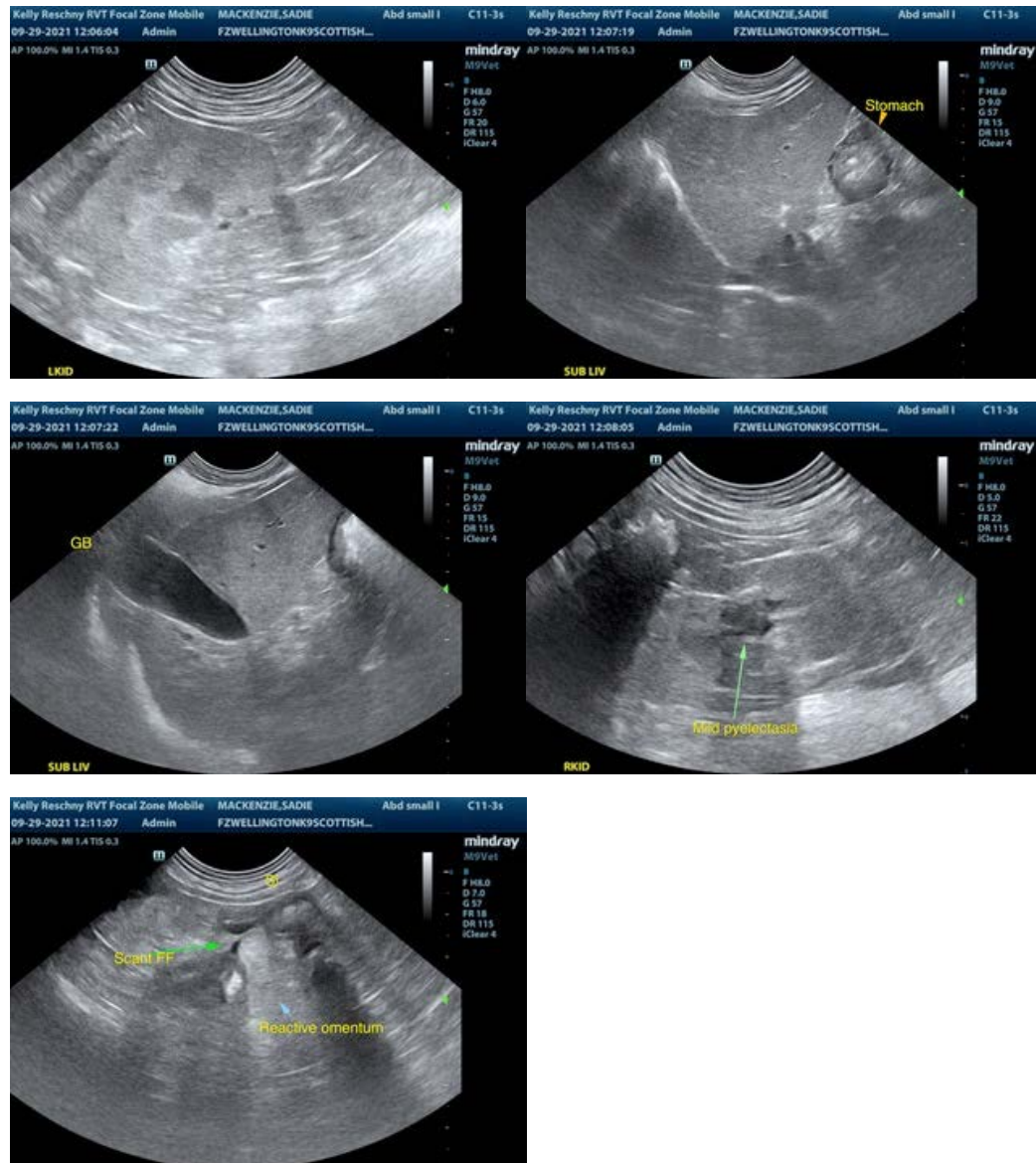
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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