

PATIENT PRESENTING CLINICAL SIGNS

Serge Van Houten severe weight loss, abnormal firm structure in abd, not eating much, diarrhea
Abnormal PE/Chem/CBC/UA Results: WBC $18.69 \times 10^9/L$ GLOB 52 g/L NEU $16.01 \times 10^9/L$ rads:
moderate constipation in colon, intestines appear thickened on radiograph (realize needed to confirm with u/s). Calcification in L kidney, small liver?

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

DSH

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 right kidney was borderline subnormal in size, measuring 3.0 cm. 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.

AGE

15 Years

Normal size and margination were present in the left kidney. 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. Focal areas of non-obstructive medullary mineralization were present, primarily in the lateral diverticuli. The left kidney measured 3.6 cm.

WEIGHT

5 kg

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.40 cm. The left adrenal gland measured 0.57 cm.

INTERPRETED BY

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

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The spleen measured 0.66 cm in width. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Buck Animal Hospital

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. 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.

REFERRING VET

Dr. Gilmer

INVOICE

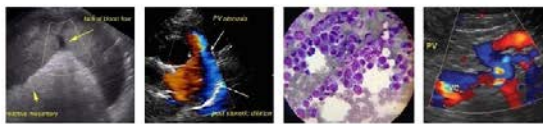
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Gastrointestinal

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. Gastric body wall measured 0.25 cm.

DATE

9/13/21



PATIENT

Serge Van Houten

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. Duodenum wall measured 0.26 cm. Jejunum wall measured 0.22 cm. No overt lymphadenopathy.

SPECIES

Canine

The distal descending colon to colorectum exhibited subtly prominent yet intact wall layering measuring 0.30 cm wall width. By comparison, normal appearing mid descending duodenum containing formed feces measured 0.15 cm width. Regional mild pericolic omental inflammation was present. No overt evidence of concurrent effusion.

BREED

DSH

Pancreas

The left pancreas was normal in size with mild asymmetrical contour and subtle hypoechoic to heterogeneous parenchyma compared to adjacent omentum.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Subjective mild prominent distal descending colon/colorectum with associated regional pericolic inflammation.
- Sonographically unremarkable stomach and visualized small bowel
- Bilateral chronic renal changes with mild non-obstructive left kidney medullary mineralization
- Mildly hypoechoic to heterogeneous left pancreas – age related pancreatic changes suspected, potential for low-grade chronic to chronic active inflammation possible.

AGE

15 Years

WEIGHT

5 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assessment for evidence of cranial abdominal or subxiphoid discomfort on palpation in the area of the pancreas suggested. Correlation with a spec fPL or ideally GI panel to include PLI, TLI, cobalamin and folate (given the patient's weight loss) is recommended. The distal descending colon/colorectum and overall appearance of the colon may suggest underlying inflammation/colitis. Potential for early infiltrative distal descending colon or colorectal mural process is thought less likely, however cannot be definitively excluded. Conservative therapy for colitis would be appropriate with recheck sonogram of the distal descending colon and colorectum in 4 weeks. 3-view chest radiographs recommended to rule out occult thoracic pathology as potential cause of weight loss in geriatric cats.

INTERPRETED BY

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DABVP (Canine and
Feline)

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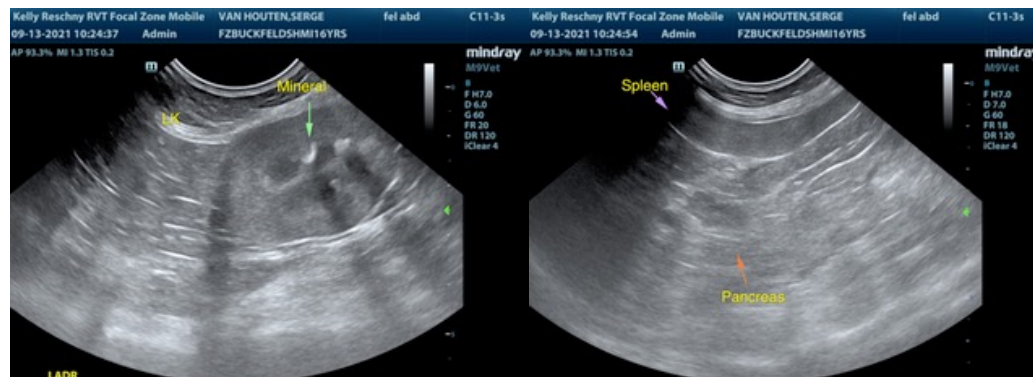
Dr. Gilmer

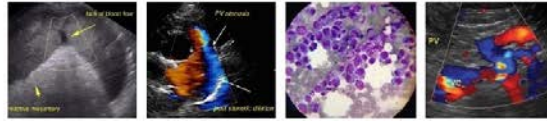
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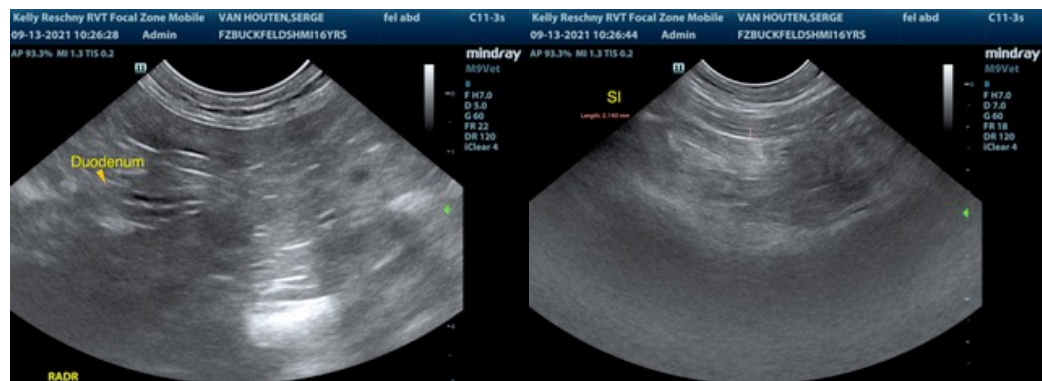
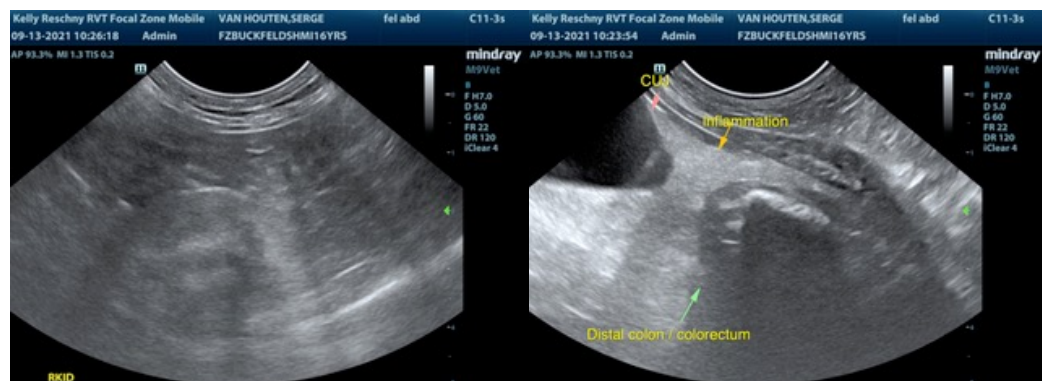
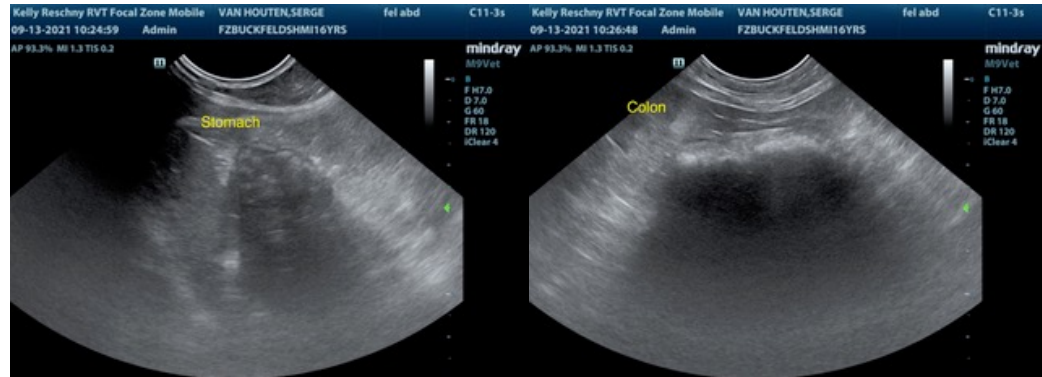
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PATIENT

Serge Van Houten

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.

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

DSH

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Neutered Male

AGE

15 Years

WEIGHT

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