



PATIENT

Otis Rex Clark

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

10 yrs

WEIGHT

6.29 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Craig Seyler, DVM

HOSPITAL NAME

Wilvet South

REFERRING VET

Craig Seyler, DVM

INVOICE

12886

DATE

12/5/25

PRESENTING CLINICAL SIGNS

Submitted study contained 27 videos for review.

History: The patient was at their regular DVM today where blood work and an ultrasound were performed. The patient has a history of inflammatory bowel disease and is being treated with various types of steroids. Blood glucose was found to be off the scale high, and the patient was transferred for care for Diabetic Ketoacidosis (DKA). severe hyperglycemia - r/o DM, pancreatic neoplasia or severe pancreatitis, other neoplasia likely early chronic renal dysfunction based on labs run in October: 10/20/25 - BUN 26, CRE 1.3, K+ 3 (L), phos 2.1 (L) lipase 1734 (H)

Abnormal PE/Chem/CBC/UA Results: Hydration: Moderate dehydration Cardiovascular: Grade 2 out of 6 heart murmur Abdomen: Distended but palpable, patient a bit overweight Integument: unkempt coat, poor skin turgor Lab work from RDVM yesterday: UA - USG 1.023, gluc 1000, possible bacteria. Chem - CRE 4.3, BUN 69, SDMA 30, Gluc over 686, ALT 466, ALP 128, AST too high to read, Na 148 (L), K+ 2.6 (severely low), Cl 103 (L) 12/3 lab work: EPOC - pH 7.233 (L), Na 136 (L), K+ 2.2 (L), Cl 106 (L), Ca++ 1.2 (L), BUN 74 (H), CRE 5.45 (H), Glu >700 (H)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Minor, non-dependent, echogenic to particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

The area of the aortic trifurcation was free of pathology.

Normal renal size with asymmetrical margination was present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. Minor medullary mineral was present and no evidence of pyelectasia. The left kidney measured 4.7 cm in length. The right kidney measured 4.6 cm in length.

Adrenal Glands

The left and right adrenal glands were not definitively visualized.

Spleen

The spleen was subnormal in size consistent with volume contraction. 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.



PATIENT

Otis Rex Clark

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

10 yrs

WEIGHT

6.29 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Craig Seyler, DVM

HOSPITAL NAME

Wilvet South

REFERRING VET

Craig Seyler, DVM

INVOICE

12886

DATE

12/5/25

Liver

The liver exhibited generalized hepatomegaly with mildly swollen symmetrical contour. The liver presented homogeneous, hyperechoic, hepatic parenchyma with subjectively increased in echogenicity compared to the spleen and renal cortices. The echotexture of the liver parenchyma was with a mild coarse echotexture. The capsule of the liver was symmetrical in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild, non-organized, echogenic, nonmineralized biliary sludge. The common bile duct was not visualized.

Gastrointestinal

The stomach presented intact mildly thickened wall exhibiting subjective mildly thickened gastric mucosa layer. The lumen of the stomach contained mild, progressively shadowing ingesta and lumen gas.

The small intestine presented intact wall layering with maintained 1:3 muscularis/mucosa ratio and mildly thickened wall. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Small intestine wall measured 0.28 cm.

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

Pancreas

Mid to distal left pancreas was mildly swollen and apparent symmetrical contour with non-homogeneous hypoechoic parenchyma compared to adjacent non-reactive or inflamed omentum.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Enlarged hyperechoic liver – diabetic/metabolic hepatopathy, inflammation, lipidosis, occult neoplasia thought less likely
- Mild gallbladder debris
- Regional left limb chronic/chronic active pancreatitis
- Intact mildly thickened gastrointestinal tract with gastric ingesta
- Nonspecific bilateral chronic nephritis exhibiting mild medullary mineral
- Mild urine sediment

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Urine C/S sterile urine sample is recommended. Therapy for diabetic ketoacidosis including hepato-gastrointestinal and renal support with clinical monitoring is recommended.

For an additional charge an internal medicine consult can be utilized through [Sonopath.com](http://sonopath.com). You can select the internal medicine drop down at <http://spa.sonopath.com/>.

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>.



PATIENT

Otis Rex Clark

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

10 yrs

WEIGHT

6.29 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Craig Seyler, DVM

HOSPITAL NAME

Wilvet South

REFERRING VET

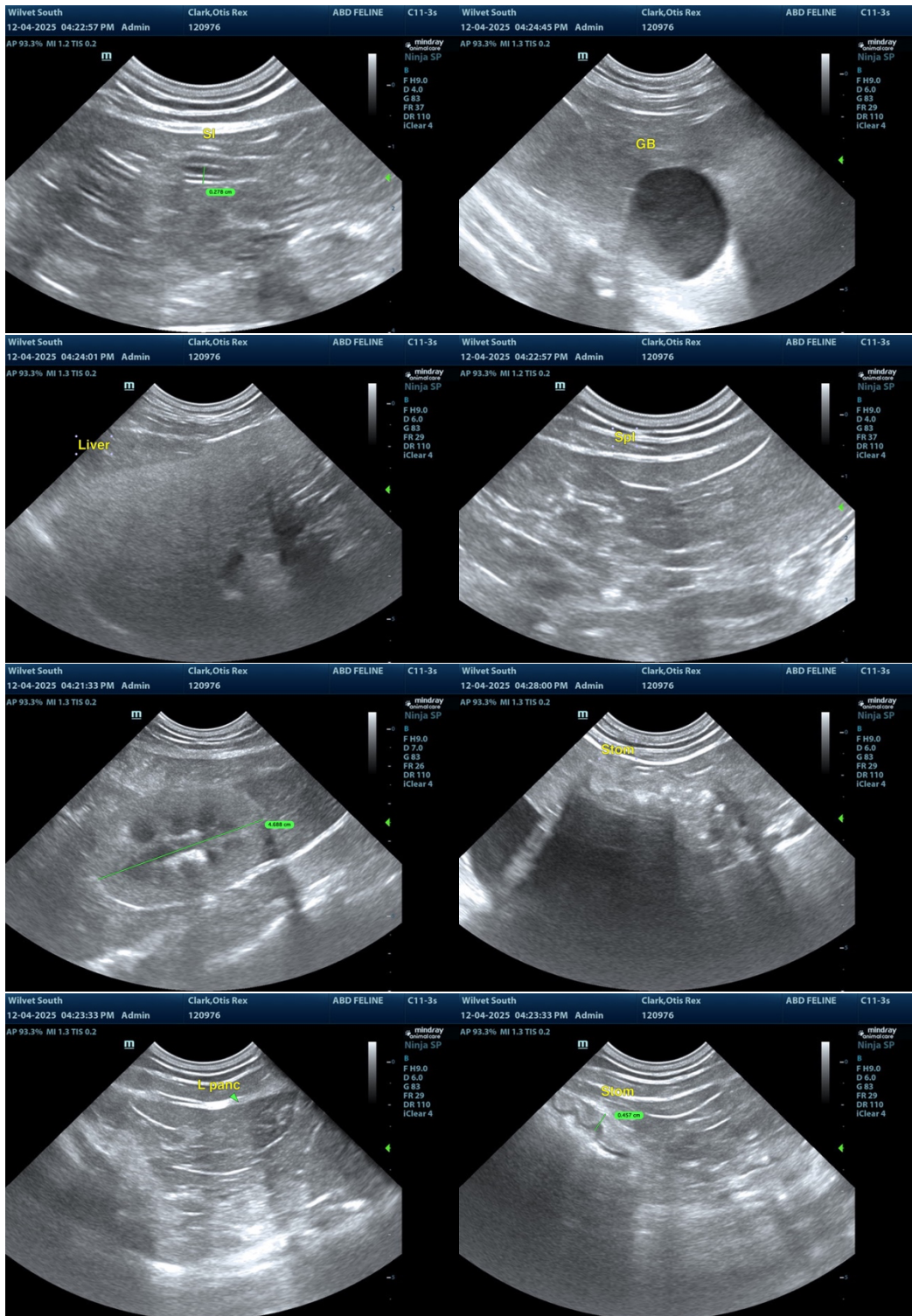
Craig Seyler, DVM

INVOICE

12886

DATE

12/5/25





PATIENT

Otis Rex Clark

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

10 yrs

WEIGHT

6.29 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Craig Seyler, DVM

HOSPITAL NAME

Wilvet South

REFERRING VET

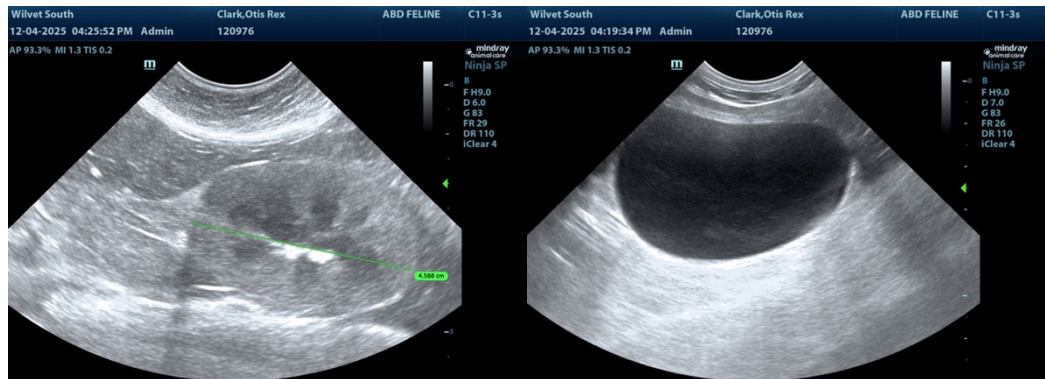
Craig Seyler, DVM

INVOICE

12886

DATE

12/5/25



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)

info@sonopath.com