



PATIENT

Chewy Zurick

PRESENTING CLINICAL SIGNS

History: 10 day history of licking lips, decreased appetite. Weight down 2 pounds from 3/22. CBC / Chem - ALP 1342, else unremarkable (ALP was 2682 at last labwork in 2020). U/A pending.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Terrier Mix

The urinary bladder is not fully distended; it is therefore difficult to evaluate wall thickness. Its contents are anechoic. The wall is smooth and regular. No abnormalities are noted with the trigone or proximal urethra, and there is no evidence of cystoliths, polyps or a mass. A trivial amount of free floating sediment is observed.

SEX

Neutered male

Prostate

The prostate is homogenous and within normal limits for a neutered male.

AGE

11 ½ years

Kidneys

WEIGHT

56.2 lbs

The **left** kidney measures 6.51 cm. The capsule is smooth, however, the cortex is markedly hyperechoic. A mild loss of the normal definition of the cortico-medullary junction is present. Mineralizations of the diverticulae are present, without evidence of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

The **right** kidney measures 6.56 cm. Findings are similar to the left kidney.

Aortic bifurcation/trifurcation

No abnormalities observed.

IMAGING PERFORMED BY

Dr. Mengine

Adrenal Glands

HOSPITAL NAME

Stoney Creek VH

The **left** adrenal gland has the form of a Shepherd's "hook". Its cranial pole measures 0.67 cm, 0.62 cm at the "hook" and 0.47 cm at the caudal pole. A discrete nodule or mass is not observed. No abnormalities are noted with the gland's overall echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

REFERRING VET

Dr. Mengine

The **right** adrenal gland measures 0.77 cm in diameter. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

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Spleen

The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified. Perivascular cuffing is observed which is not considered clinically significant.

DATE

4/25/22



PATIENT	Liver
Chewy Zurick	There are no obvious signs of hepatomegaly and its borders are smooth and sharp. The liver's echotexture is homogeneous and it is within normal limits in echogenicity. No abnormalities are observed with the hepatic vessels visualized.
SPECIES	
Canine	The gallbladder wall is within normal limits in thickness and echogenicity. A trivial amount of echogenic material is present within the GB. The cystic duct is dilated, measuring 6.3 mm and mildly tortuous. The common bile duct is not visualized, however, there are no obvious signs of an obstruction.
BREED	
Terrier Mix	Gastrointestinal
SEX	A moderate amount of ingesta and gas are present within the lumen of the stomach, thereby preventing an in-depth evaluation. The gastric wall is within normal limits in thickness and the wall layers are well defined. Delayed gastric emptying cannot be excluded if Chewy was fasted.
Neutered male	A mild amount of gas is present within the duodenum. The duodenum is 0.61 cm and the jejunum are within normal limits with regard to wall thickness, and definition of the wall layers is preserved.
AGE	The colonic wall is not thickened and mural detail is considered normal.
11 ½ years	There are no obvious signs of a mass, foreign body, infiltrative disease or an obstruction in the gastrointestinal tract.
WEIGHT	
56.2 lbs	Pancreas
INTERPRETED BY	Small portions of both limbs of the pancreas are visualized; they are mildly hypoechoic and the surrounding mesentery is mildly hyperechoic.
Lisa Carioto, DVM, DVSc, Diplomate ACVIM	Other
IMAGING PERFORMED BY	Lymph nodes
Dr. Mengine	No abnormalities are observed
HOSPITAL NAME	Abdominal effusion is not visualized.
Stoney Creek VH	
REFERRING VET	ULTRASONOGRAPHIC FINDINGS
Dr. Mengine	<ul style="list-style-type: none"> • Mild pancreatitis is suspected. • Cholecystitis cannot be excluded based on the mild tortuosity and dilation of the cystic duct, which may be secondary to pancreatitis. • Delayed gastric emptying cannot be excluded if Chewy was fasted for the ultrasound. This may be secondary to pancreatitis.
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DATE	
4/25/22	



PATIENT

Chewy Zurick

- The right adrenal gland is mildly enlarged. This may be due to hyperplasia secondary to stress or chronic illness. There are no signs of an adrenal mass.

SPECIES

Canine

- A component of the renal changes are suggestive of age related degeneration, however, glomerulonephritis, interstitial nephritis and pyelonephritis cannot be excluded.

BREED

Terrier Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered male

Causes of GN include leptospirosis, tick borne diseases and heartworm disease, and the appropriate tests are suggested to exclude an underlying cause. A urinalysis, and a urine culture and sensitivity are recommended. If the latter is negative, a urine protein: creatinine ratio should be performed to exclude proteinuria.

AGE

11 ½ years

An arterial blood pressure is recommended to rule out hypertension.

WEIGHT

56.2 lbs

A spec cPL may be performed to confirm a diagnosis of pancreatitis.

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ACVIM

A TLI, serum cobalamin, and folate may be considered to exclude malabsorption and dysbiosis. If the tests are cost prohibitive, cobalamin supplementation may be administered.

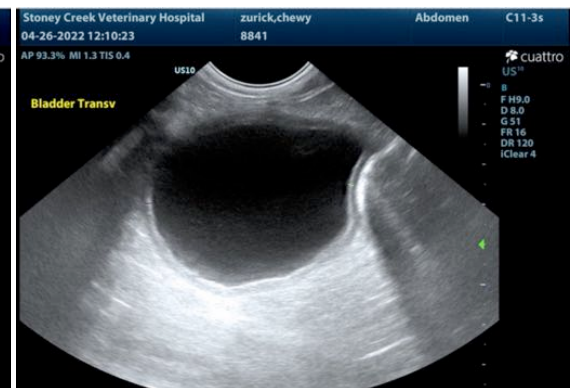
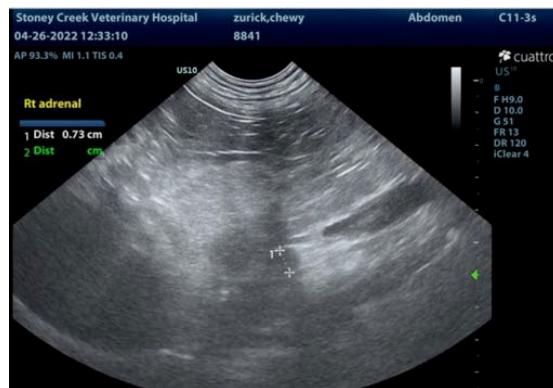
IMAGING PERFORMED BY

Dr. Mengine

Analgesia for the treatment of visceral pain, such as gabapentin and/or methadone is suggested, as well as supportive care, including subcutaneous or intravenous fluids. A low fat, easily digestible diet that is moderately restricted in fibre is recommended to help decrease gas and bloating. However, it is of utmost importance that Chewy eats in order to prevent further catabolism and sarcopenia.

HOSPITAL NAME

Stoney Creek VH



REFERRING VET

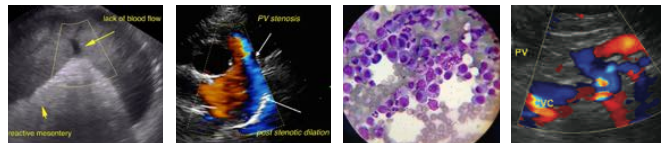
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SPECIES

Canine

BREED

Terrier Mix

SEX

Neutered male

AGE

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WEIGHT

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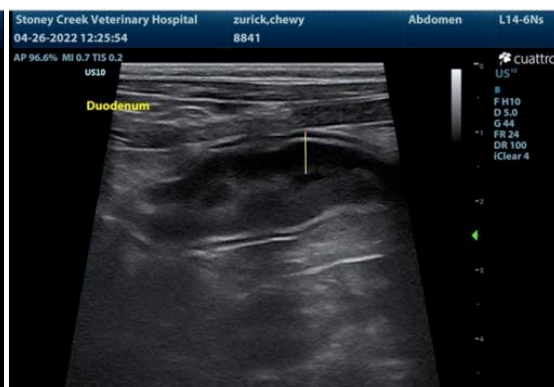
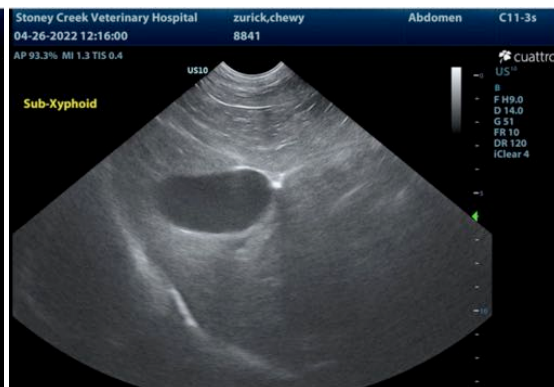
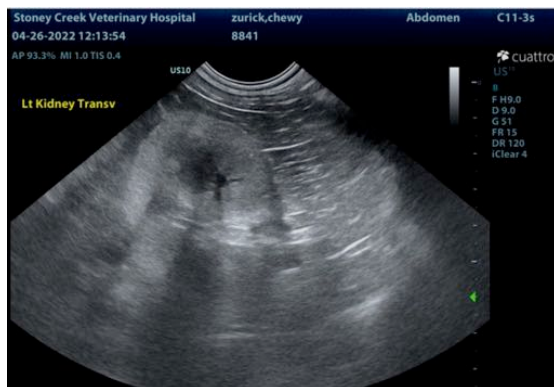
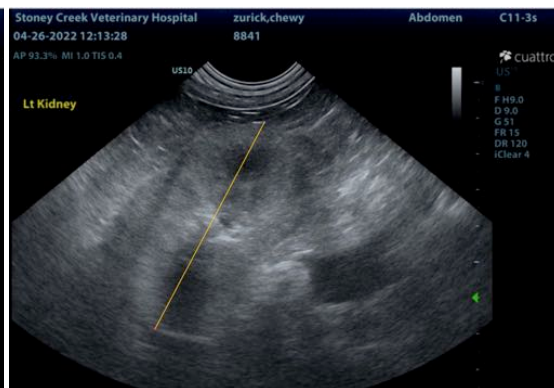
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BREED

Terrier Mix

SEX

Neutered male

AGE

11 ½ years

WEIGHT

56.2 lbs



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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com

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DVSc, Diplomate
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