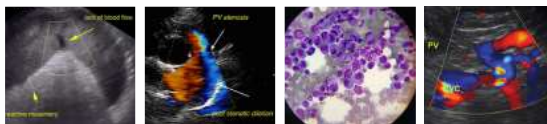




PATIENT	PRESENTING CLINICAL SIGNS
Patches Woodruff	Patient is reported to be drinking more water than normal over the last few weeks. There is also a new mass around the right thoracic limb carpus. History of elevated liver enzymes and elevated BUN PE:
SPECIES	Subcutaneous mass - Right caudal antebrachium proximal to carpus there is a 1.6 cm soft, round, subcutaneous mass. Non-painful on palpation. Periodontal disease. Multiple other dermal masses. No heart murmur. Normothermic. No fine needle aspirate and cytology was performed of mass. Current Medications Gabapentin 200 mg the night before and morning of ultrasound
Canine	
BREED	
Shih Tzu Mix	Abnormal PE/Chem/CBC/UA Results: CBC - Platelets 407 (170-400), Platelet estimate = increased. All other values within normal limits Chemistry profile - ALT 204 (12-118) -- prev 115 on 10/13/2020, 86 on 12/3/2019, 90 on 8/12/2019, 146 on 5/2019, 77 on 11/2018 ALP 1027 (5-131) -- prev 367 on 10/13/2020, 199 on 12/3/2019, 235 on 8/12/2019, 244 on 5/2019, 111 on 11/2018 BUN 60 (6-31) -- prev 39 on 10/13/2020, 28 on 12/3/2019, 25 on 8/12/2019, 40 on 5/2019, 24 on 11/2018 Creatinine 1.2 (0.5-1.6) BUN/Creat 50 (4-27) Phosphorous 7.1 (2.5-6.0) Sodium 156 (139-154) PrecisionPSL 240 (24-140) -- prev 156 on 10/13/2020 All other values within normal limits Thyroid hormones - TT4 = 2.5 (0.8-3.5) Urinalysis - USG 1.039, pH 7.5, urine chems: 2+ protein, urine sedi: nsf, MA 19.2 (<2.5)
SEX	
Neutered Male	
AGE	
16 years	
WEIGHT	
--	
INTERPRETED BY	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	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 was noted.
	The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.65 cm in diameter.
	The area of the aortic trifurcation was free of pathology.
	Normal size and margination were 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 5.4 cm in length. The right kidney measured 5.2 cm in length.
HOSPITAL NAME	Adrenal Glands
VCA Mckenzie AH	Bilateral symmetrical adrenal gland enlargement with nonhomogeneous, variably echogenic parenchyma was present. No overt evidence of mineralization was noted. The left adrenal gland measured 1.2 cm width at the caudal pole and 1.86 cm width at the cranial pole. The right adrenal gland measured 0.87 cm width at the caudal pole and 0.72 cm width at the cranial pole.
REFERRING VET	
Dr. Kastella	
INVOICE	
12206	
DATE	
9/10/21	



PATIENT	<i>Spleen</i>
Patches Woodruff	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.
SPECIES	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.
Canine	
BREED	<i>Liver/ Gallbladder</i>
Shih Tzu Mix	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 echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.
SEX	
Neutered Male	
AGE	<i>Gastrointestinal</i>
16 years	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild, echogenic, nonshadowing ingesta / chyme most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.
WEIGHT	
--	
INTERPRETED BY	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.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Normal visible colon wall layers were present with apparent formed feces in lumen.
IMAGING PERFORMED BY	<i>Pancreas</i>
Jenna Walsh	The parenchyma of the pancreas was mildly hyperechoic to adjacent omental fat with mild diffuse parenchyma remodeling. The capsule of the pancreas was mildly asymmetrical in contour without evidence of peripancreatic inflammation. These changes may suggest chronic inflammation, fibrosis, or saponification if previous history of pancreatitis. No overt signs of pancreatic neoplasia.
HOSPITAL NAME	<i>Free Abdomen</i>
VCA Mckenzie AH	No overt lymphadenopathy or peritoneal effusion was present.
REFERRING VET	ULTRASONOGRAPHIC FINDINGS
Dr. Kastella	<i>Primary Findings</i>
INVOICE	<ul style="list-style-type: none"> • Mild chronic renal changes • Bilateral adrenomegaly • Hepatopathy - subjectively benign • Mild gallbladder debris (non-mucocele)
12206	
DATE	
9/10/21	



PATIENT

- Echogenic pancreas - age-related changes, mild chronic inflammation, or mild fibrosis

Patches Woodruff

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

Neutered Male

AGE

16 years

WEIGHT

--

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh

HOSPITAL NAME

VCA Mckenzie AH

REFERRING VET

Dr. Kastella

INVOICE

12206

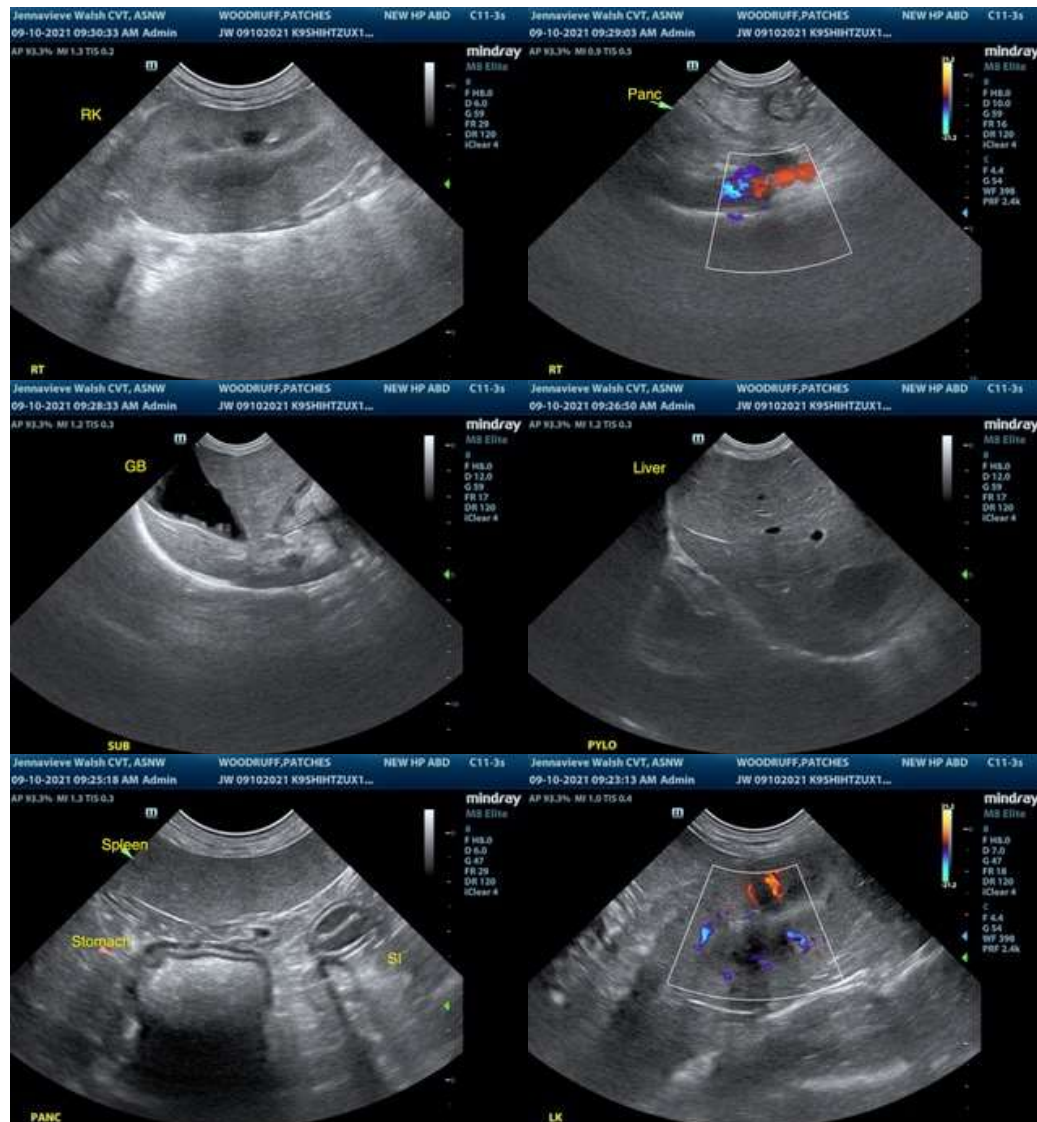
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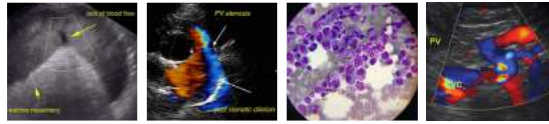
9/10/21

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although the specific gravity was >1020, adrenal workup including LDDST, given the bilateral adrenomegaly, is recommended. Mild potential for emerging left or right adrenal neoplasia such as adenocarcinoma or pheochromocytoma cannot be excluded yet is considered less likely at this time.

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Monitoring of systemic blood pressure is suggested. Empirically, hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.





PATIENT

Patches Woodruff

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

Neutered Male

AGE

16 years

WEIGHT

--

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh

HOSPITAL NAME

VCA Mckenzie AH

REFERRING VET

Dr. Kastella

INVOICE

12206

DATE

9/10/21



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.

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