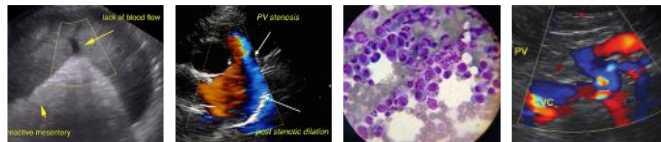


PATIENT	PRESENTING CLINICAL SIGNS
Schatz Craig	Long term history of idiopathic epilepsy. Patient is eating/drinking WNL. Ultrasound performed due to elevated liver enzymes.
SPECIES	Abnormal PE/Chem/CBC/UA Results: 12/15/23: - CBC: Retic-Hgb 21.8, BASO 0.11, PDW 20.9, MPV 14.3 - Chem/SDMA: SDMA 17, ALKP 686, ALT 127m Tbili 1.4, AMYL 1618, LIPA 2525 (sample hemolyzed and lipemic) - T4: 1.5 ug/dl (1.0-4.0 ug/dl) - 4DX: Negative x4 1/13/23: CHEM: TP 8.9 g/dL, GLOB 5.3 g/dL, ALT 253 U/L, ALKP 625 U/L; TBIL 2.1 mg/dL Pheno level: <5.0 ug/mL
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Miniature Schnauzer	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.
MN	
AGE	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. The left kidney measured 5.6 cm in length. The right kidney measured 5.5 cm in length.
14yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
26lb	The area of the residual prostate appeared normal and free of pathology.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.64 cm width at the caudal pole and 0.44 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.59 cm width at the caudal pole and 0.63 cm width at the cranial pole.
IMAGING PERFORMED BY	Spleen
Mack E	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.
HOSPITAL NAME	Liver/Gallbladder
Northside Veterinary Clinic	The liver exhibited generalized enlargement, symmetrical to mildly rounded hepatic capsule contour and mild generalized nonhomogeneous hepatic parenchyma exhibiting evidence of 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 with mild non-organized mobile echogenic luminal debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
REFERRING VET	Gastrointestinal
Mack E	
INVOICE	
12688ag	
DATE	
01/16/2023	



PATIENT

Schatz Craig

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.

SPECIES

Canine

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.

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

Pancreas

BREED

Miniature Schnauzer

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

SEX

MN

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

14yr

- Hepatopathy-subjectively benign, vacuolar hepatopathy, non-obstructive cholestasis, inflammatory/immune mediated disease, toxic hepatopathy secondary to phenobarbital, hematopoiesis, hyperplasia, fibrosis with infiltrative neoplasia considered less likely
- Heterogeneous pancreas-age related pancreatic changes, remodeling owing to previous inflammation or low grade to chronic pancreatitis possible
- Mild chronic renal changes
- Sonographically normal bilateral adrenal glands

WEIGHT

26lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology is warranted for further assessment and potential identification of inflammatory cell type. Low-grade to chronic pancreatitis may be considered if evidence of cranial abdominal or subxiphoid discomfort on palpation.

IMAGING PERFORMED BY

Mack E

Given the mild increasing ALT level which may indicate emerging hepatic toxicity, close monitoring of hepatic enzymes with hepatosupportive medications would be reasonable.

Potential change to alternative anti-seizure medication may be indicated if progressive hepatic elevations, specifically ALT.

HOSPITAL NAME

Northside Veterinary
Clinic

REFERRING VET

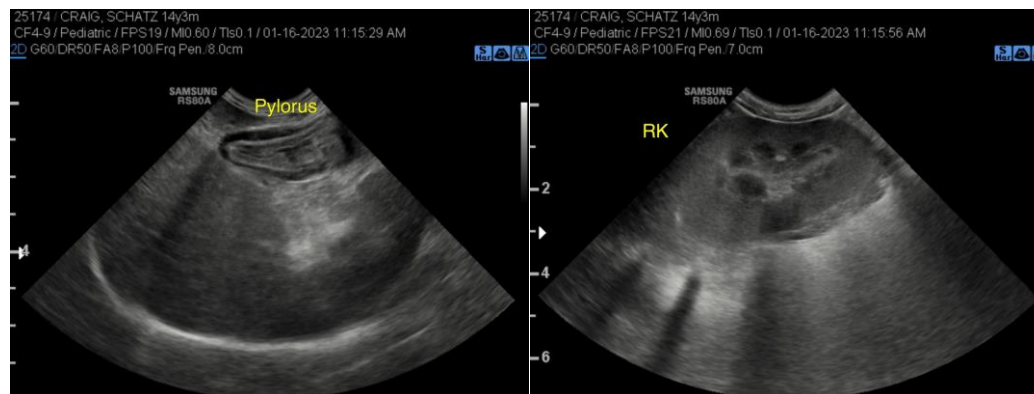
Mack E

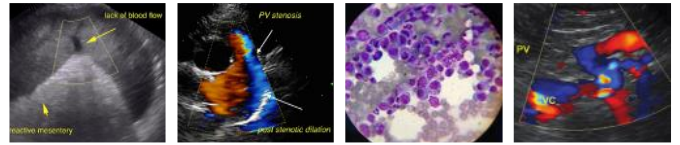
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PATIENT

Schatz Craig

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

MN

AGE

14yr

WEIGHT

26lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Mack E

HOSPITAL NAME

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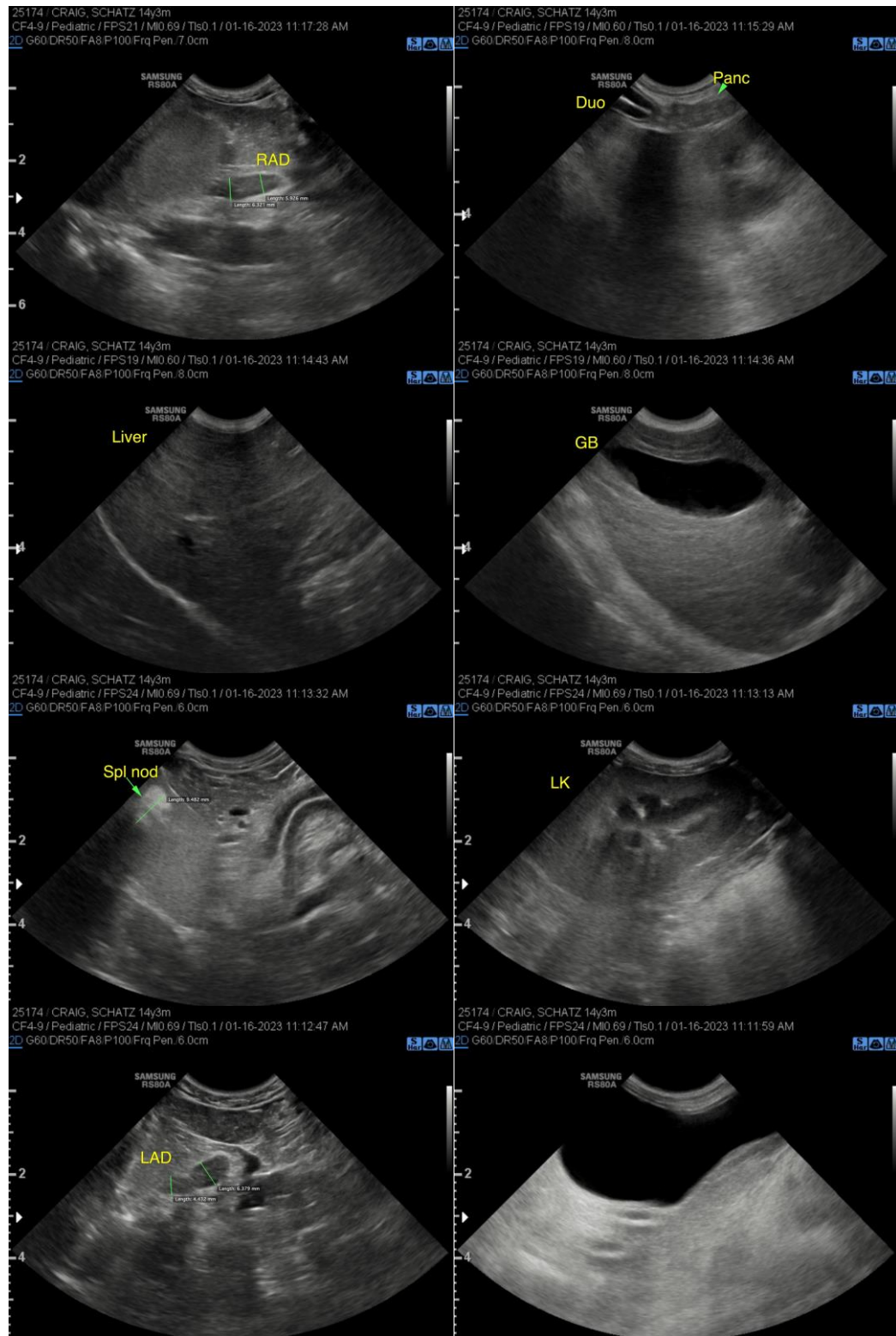
Mack E

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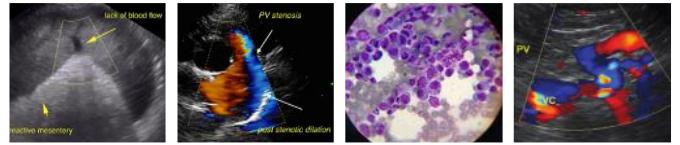
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DATE

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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.



PATIENT

Schatz Craig

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.

SPECIES

Canine

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

mac.daniel@sonopath.com

BREED

Miniature Schnauzer

SEX

MN

AGE

14yr

WEIGHT

26lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Mack E

HOSPITAL NAME

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Clinic

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