

PATIENT PRESENTING CLINICAL SIGNS

Ozzy Cooper
Schledwitz

diagnosed with microhepatita/PSS in 2017, now, increased urination, previous history of urate uroliths currently on SAM-E, metronidazole, ursodiol, spironolactone
Abnormal PE/Chem/CBC/UA Results: elevated AST, ALT, ALP U/A: struvite crystals, USG 1.022

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Havanese

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

SEX

Neutered Male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.09 cm. The right kidney measured 4.25 cm with slight mineralization.

AGE

6 Years

Adrenal Glands

WEIGHT

3.8 kg

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 1.47 cm x 0.38 cm at the caudal pole and 0.98 cm at the cranial pole. The left adrenal gland measured 1.5 cm x 0.45 cm at the caudal pole and 0.45 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

IMAGING PERFORMED BY

Kelly Reschny

Liver

HOSPITAL NAME

Westoak AH

The **liver** was significantly subnormal in size with coarse architecture. The gallbladder and common bile duct were unremarkable. The right medial liver revealed a macronodule measuring 2.4 cm in width. The remainder of the liver presented increased portal markings and remodeling. Portosystemic shunting was not evident on this image set and would necessitate sedation for further definition or CT with contrast. No evidence of urolithiasis at this time. The liver parenchyma would be most consistent with chronic inflammatory hepatopathy. Long-term viability of the liver in question.

REFERRING VET

Dr. Fisher

Gastrointestinal

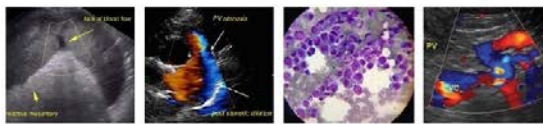
INVOICE

24710

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

DATE

8/16/21



PATIENT *Pancreas*

Ozzy Cooper
Schledwitz

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Severe microhepatic with remodeling and macronodular changes – suspect secondary cirrhosis along with portal hypoplasia/portosystemic shunting if confirmed in the past or to be confirmed in the future with further imaging.

BREED

Havanese

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered Male

Bile acid profile recommended to assess level of hepatic dysfunction. Prognosis long-term is guarded. Liver biopsy from laparoscopy or surgical approach would be appropriate given that there is a small amount of parenchyma that would render ultrasound guided samples challenging.

AGE

6 Years

For an additional charge, internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

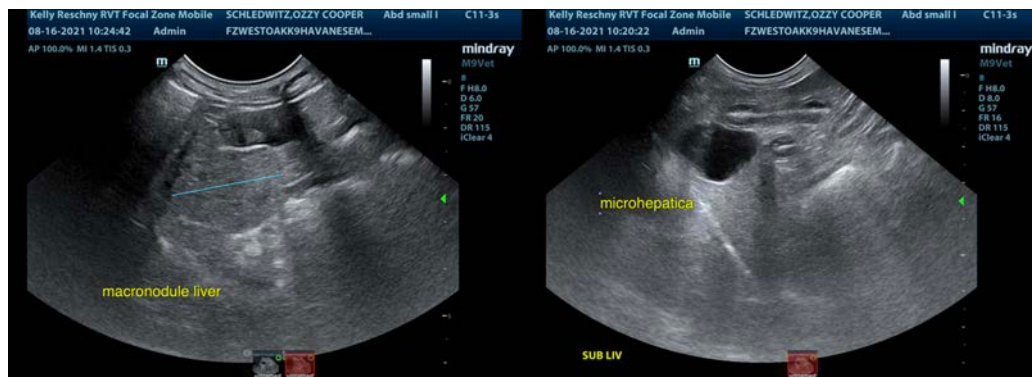
One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

WEIGHT

3.8 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

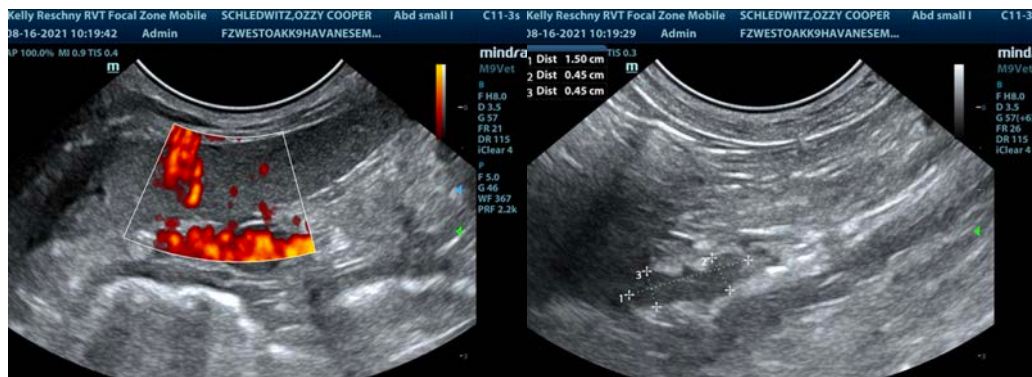


IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Westoak AH



REFERRING VET

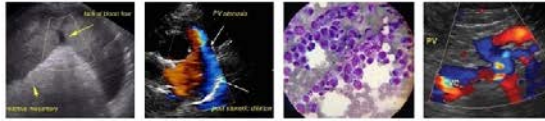
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PATIENT

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Schledwitz

SPECIES

Canine

BREED

Havanese

SEX

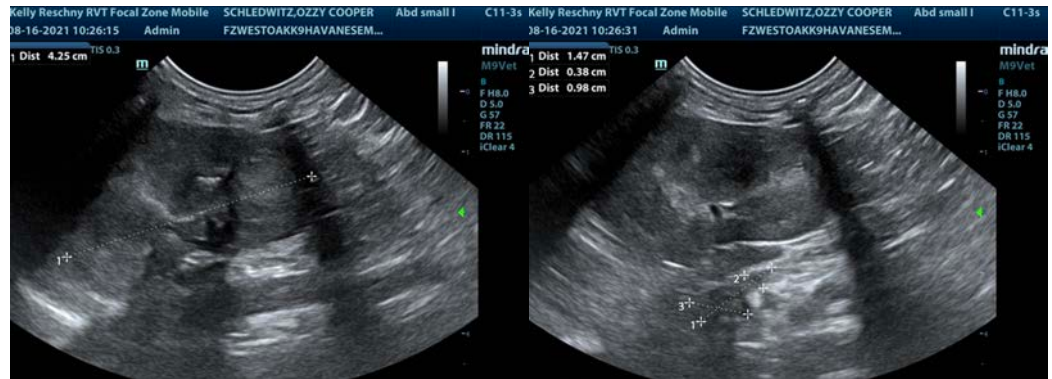
Neutered Male

AGE

6 Years

WEIGHT

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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.

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