



PATIENT

Teddy Bjarnason

PRESENTING CLINICAL SIGNS

Inappetent. ALT elevation, pyuria. Elevated post prandial bile acids, minor.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Miniature Schnauzer

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. A solitary calculus was noted and measured 0.6 cm. A trace amount of bladder sand was also noted. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

SEX

Neutered male

The residual prostate was uniform and measured 0.92 cm.

The **kidneys** revealed slight hyperechoic medullary rim sign with slight pinpoint mineralization. The right kidney measured 5.06 cm. The left kidney measured 4.54 cm.

AGE

8 years

Adrenal Glands

WEIGHT

9.85 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 2.0 x 0.43 cm at the caudal pole and 0.37 cm at the cranial pole. The left adrenal gland measured 2.39 x 0.46 cm.

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 was noted.

IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Liver

Island Mobile Paws VS

The **liver** itself was fairly uniform and subnormal in size with mildly increased portal markings. The gallbladder revealed minor calculi and slight sand.

REFERRING VET

Applecross VH

Gastrointestinal

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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

1/18/22



PATIENT

Pancreas

Teddy Bjarnason

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

BREED

Miniature Schnauzer

Unremarkable abdomen.

Minor biliary calculi.

Slightly subnormal hepatic size.

SEX

Neutered male

Bladder calculus.

AGE

8 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no overt evidence of portosystemic shunting. Bile acid elevation may be temporary owing to passage of calculi or portal hypoplasia/microvascular dysplasia as a potential given the small liver size. Urolithiasis is present and may be predisposed by the current urinary tract infection. Cystotomy, stone analysis and culture as well as liver biopsy could be justified in this patient. The hyporexia is likely a separate issue. Concurrent low-grade inflammatory hepatopathy.

WEIGHT

9.85 kg

INTERPRETED BY

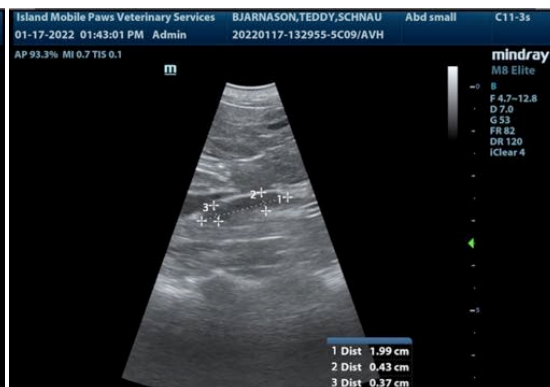
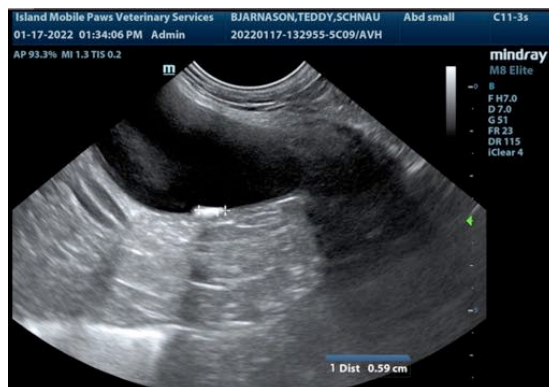
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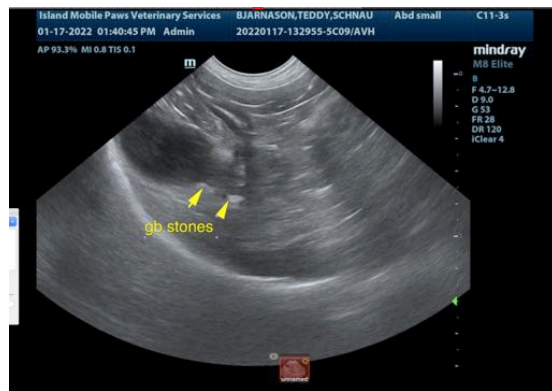
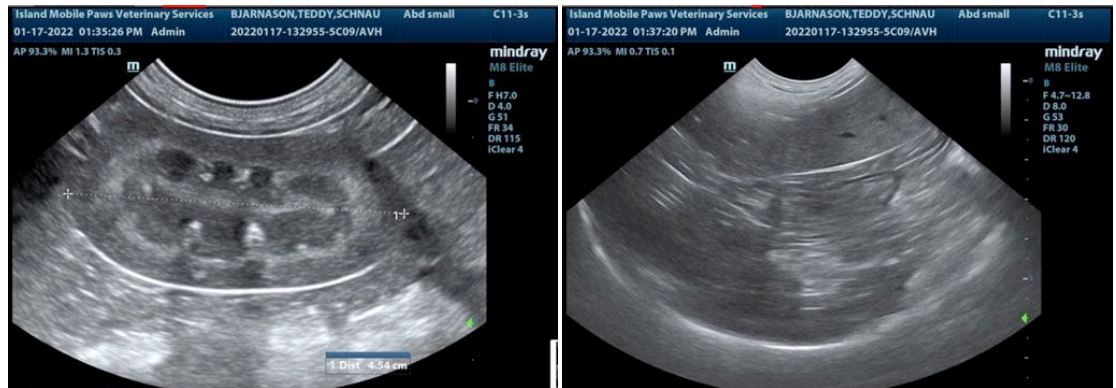
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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