



**PATIENT PRESENTING CLINICAL SIGNS**

Max Levinsohn

History: Lost 2.3 lbs over 11 months, appetite been decreased Dark Bowel movement, O says P is constipated. P started to strain about 1 day ago. On cyclosporine 25 mg SID for chronic Atopy  
Abnormal PE/Chem/CBC/UA Results: OS blind, slight nystagmus OS, OS- neg PLR, manace and dazzle reflex grade 3 dental disease, Severe glandular hyperplasia AU, Ear cytology 2+ yeast AU, cocci 1 + AU Grade 4/6 murmur, Albumin 2.5 mg/dL - Low, Crea 1.8 mg/dL high SDMA 19.4 ug/dL - high, BUN 25 mg/dL normal Liver values normal, CBC WNL T4 1.7ug/dl, USG 1.018, No protein

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Neutered male

**AGE**

13 years

**WEIGHT**

12.8 lbs

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

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

The residual prostate was uniform and measured 0.7 cm.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. The capsules were acceptably uniform without significant irregularities. Slight pinpoint mineralization was noted in both kidneys. The left kidney measured 3.5 cm with minor pyelectasia. The right kidney measured 3.86 cm.

**Adrenal Glands**

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 left adrenal gland measured 1.63 x 0.92 cm at the cranial pole and 0.52 cm at the caudal pole.

**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.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Ammeraal

**HOSPITAL NAME**

Sova

**REFERRING VET**

Dr. Ammeraal

**INVOICE**

43656

**DATE**

4/3/23



**PATIENT**

**Gastrointestinal**

Max Levinsohn

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.

**SPECIES**

Canine

**Pancreas**

**BREED**

Shih Tzu

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.

**SEX**

Neutered male

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

13 years

Mild to moderate degenerative renal changes with slight pyelectasia and trace amount of bladder sand.

Minor bladder thickening.

Otherwise, unremarkable abdomen.

**WEIGHT**

12.8 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is no overt cause of weight loss in this patient. Maldigestion panel, three view chest radiographs and full CNS examination is recommended to examine for occult disease that could be responsible for the weight loss. Evaluation for competitive eating environments should also be considered. Given the clinical signs skull CT is recommended.

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**ABOUT SONOPATH CT SERVICES:**

**SonoPath CT Services** are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/resources/sonopaths-teleconsultation-services-and-sdep-certification/sonopath-ct-services>

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**PATIENT**

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**SPECIES**

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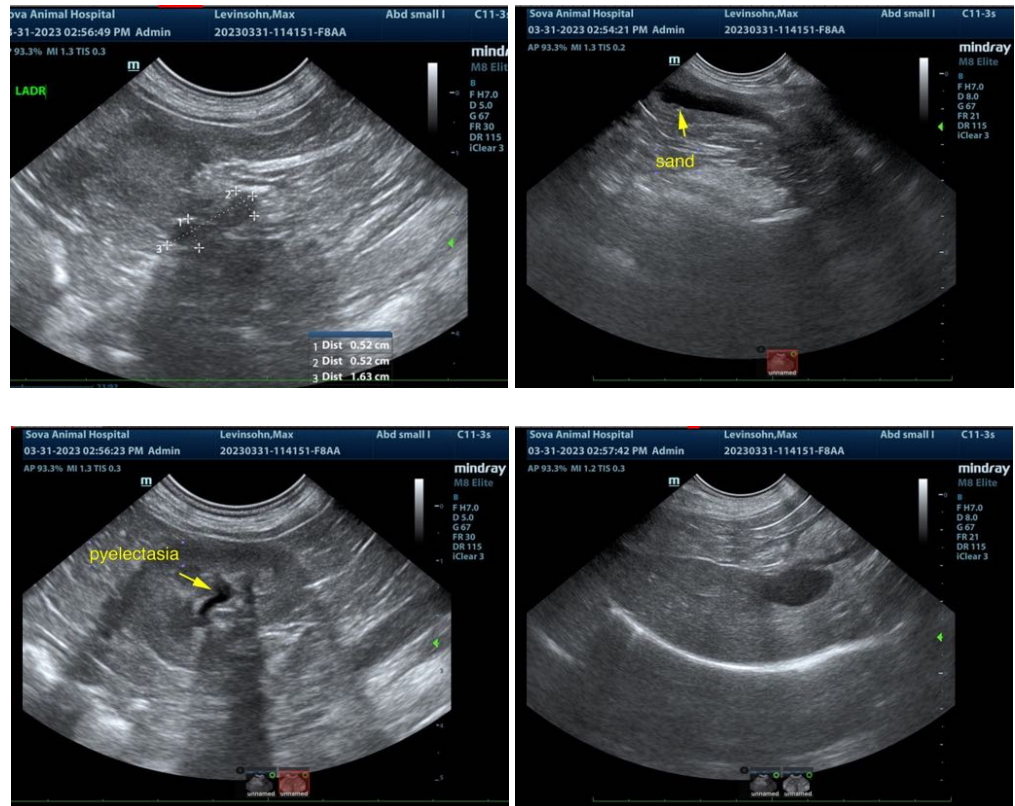
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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