



PATIENT PRESENTING CLINICAL SIGNS

Toto Yin History: Prior liver issues

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

The **urinary bladder** revealed a minimal amount of urine and slight uniform thickening. There was no evidence of calculi.

BREED

Shih Tzu

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 4.37 cm. The right kidney measured 4.81 cm.

AGE

13 years

Adrenal Glands

WEIGHT

The left **adrenal gland** was at the upper limits of normal and measured 2.23 x 0.63 cm at the cranial pole and 0.64 cm at the caudal pole. The left adrenal gland is heterogenous with capsular expansion, yet there was no capsular escape. The right adrenal gland was normal in size and contour measuring 1.45 x 0.72 cm at the cranial pole and 0.57 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

The **spleen** was not visualized as it was previously removed. The region of the splenic fossa was unremarkable. There was no return of prior pathology.

IMAGING PERFORMED BY

Valeryia Shumskaya

Liver

HOSPITAL NAME

Summit Dog and Cat

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

REFERRING VET

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Gastrointestinal

DATE

3/1/23

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.



PATIENT

Pancreas

Toto Yin

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

Prominent left adrenal gland.

Shih Tzu

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Blood pressure measurements are warranted to ensure that hypertension is not related to the left adrenal gland. The left adrenal gland should be monitored for progression over the next month. The patient was painful upon imaging, yet likely referred back pain as there was no evidence of visceral pathology noted that would be responsible for discomfort. Orthopedic exam/spinal exam is warranted to assess for any discomfort. If hypertension is present then urine catecholamine is indicated. Likely left adrenal hyperplasia; however, emerging carcinoma pheochromocytoma cannot be completely ruled out.

Neutered male

AGE

13 years

WEIGHT

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

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HOSPITAL NAME

Summit Dog and Cat

REFERRING VET

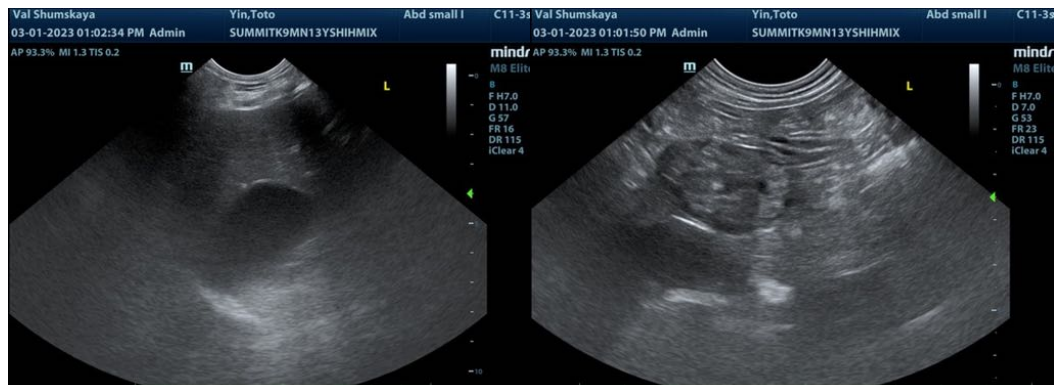
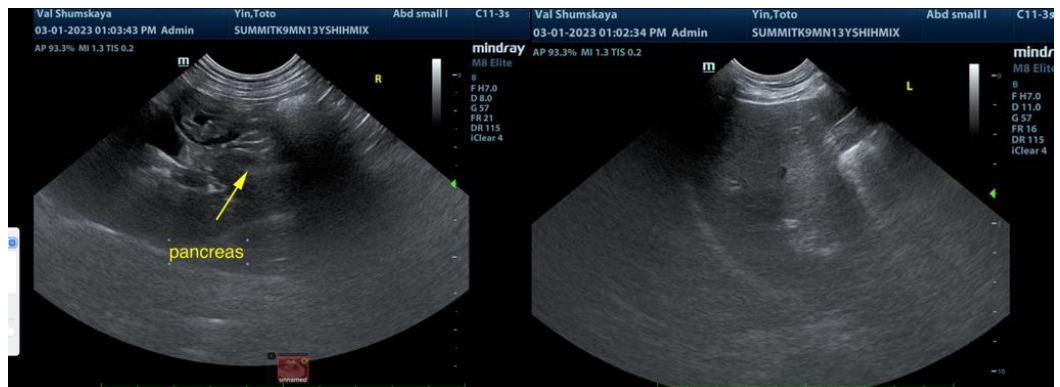
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PATIENT

Toto Yin

SPECIES

Canine

BREED

Shih Tzu

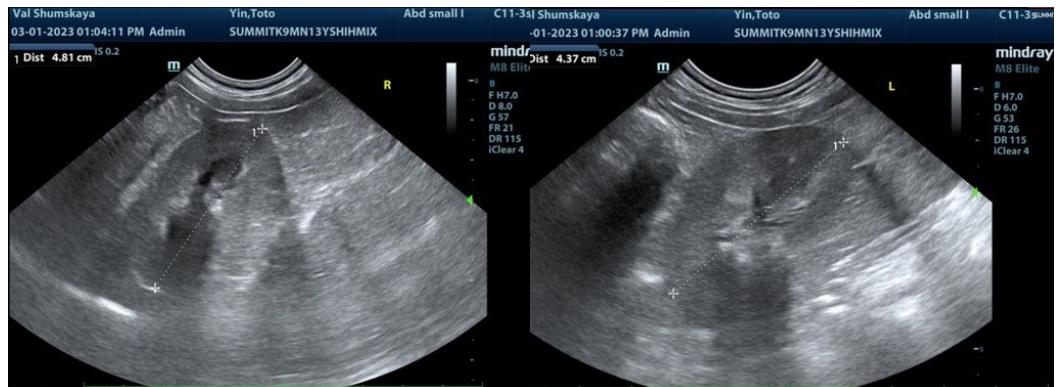
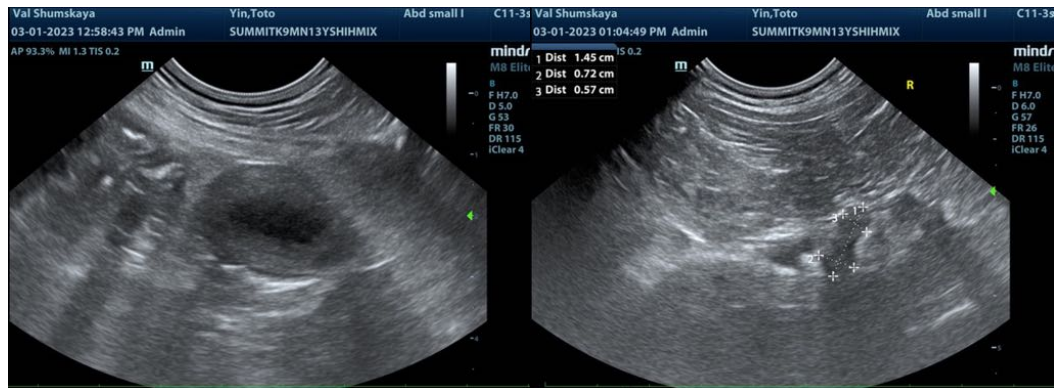
SEX

Neutered male

AGE

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WEIGHT



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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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