

PATIENT

Sammy Berhang

RESENTING CLINICAL SIGNS

History: Elevated liver values. Evaluate for neoplasia.

SPECIES

Canine

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 slight amount of bladder sand was noted. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

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. The right kidney measured 4.38 cm. The left kidney revealed slight pyelectasia that measured 0.28 cm. The left kidney measured 4.66 cm.

AGE

12 years

WEIGHT

22.5 lbs

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 right adrenal gland measured 1.61 x 0.47 cm at the caudal pole and 0.46 cm at the cranial pole. The left adrenal gland measured 1.8 x 0.38 cm at the caudal pole and 0.49 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

Spleen

The **spleen** was not visualized as it was previously removed.

HOSPITAL NAME

Farview AC

Liver

The **liver** revealed an expansive hepatoma type mass that measured 6.7 cm. The liver mass appeared to be deriving from the caudate process and occupied the right liver. The remainder of the liver revealed mildly increased portal markings. This is consistent with inflammatory hepatopathy. The gallbladder was unremarkable.

REFERRING VET

Dr. Mosaad

Gastrointestinal

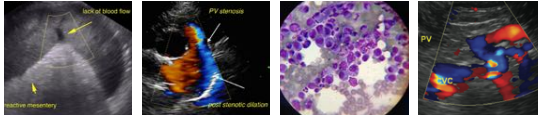
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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and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

DATE

9/22/22



PATIENT

Pancreas

Sammy Berhang

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

Shih Tzu

Right-sided liver mass. Hepatoma versus low-grade carcinoma.

Slight mineralization noted in both kidneys.

Small amount of bladder sand.

SEX

Neutered male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hepatic mass may be resectable. CT evaluation is recommended for surgical planning. However, the mass does expand dorsally upon the diaphragm. The patient is likely passing calculi periodically.

AGE

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WEIGHT

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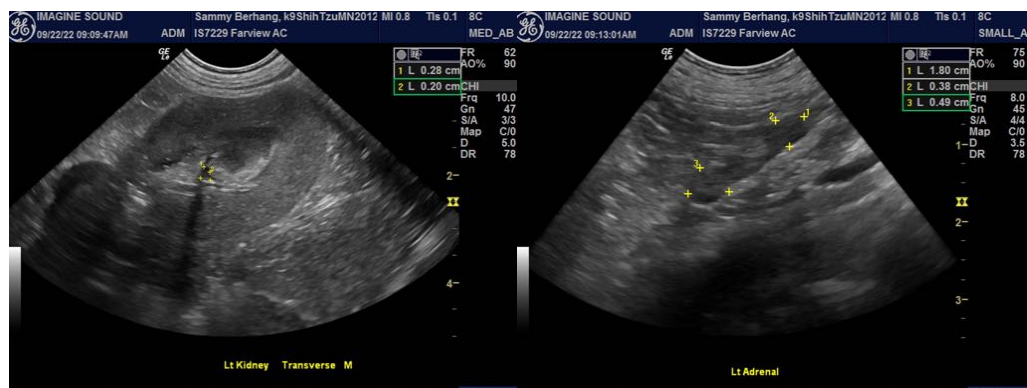
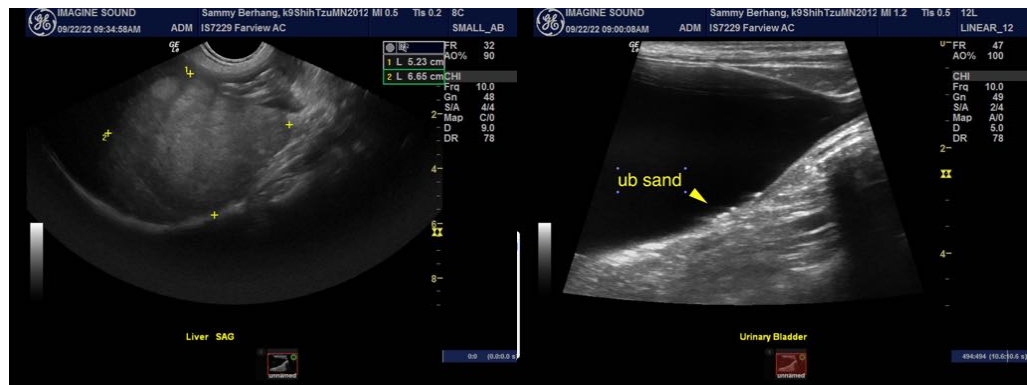
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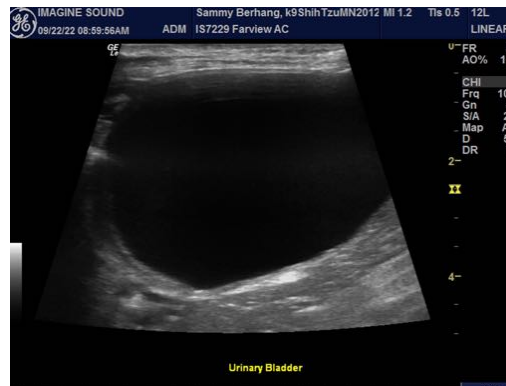
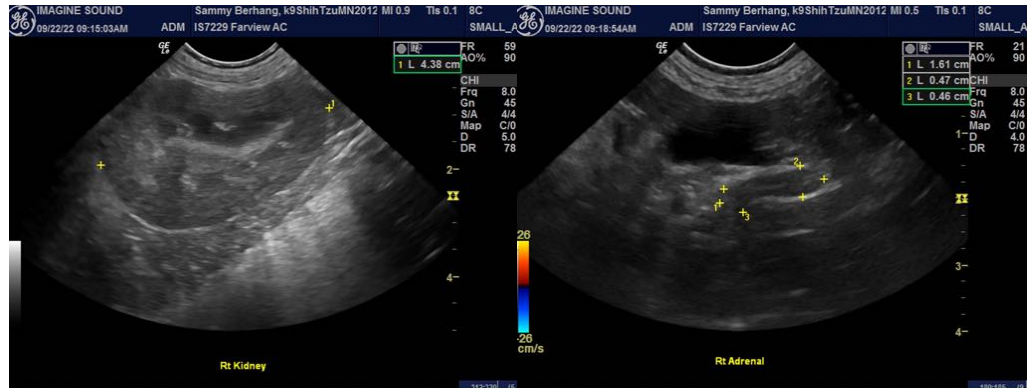
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com