



PATIENT PRESENTING CLINICAL SIGNS

Sandy Laub pot belly, chronic liver enzyme elevation alp >1248 alt =125 usg=1.021 3+ proteinuria pli 715 high r/o Cushing / leptos other

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

The **urinary bladder** was largely unremarkable except for a thickening at the cystourethral junction measuring 2.5 cm x 0.8 cm.

Lab

SEX

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 right kidney measured 7.1 cm. The left kidney measured 7.21 cm.

Spayed Female

AGE

Adrenal Glands

9 Years

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 0.4 cm. The right adrenal gland measured 0.5 cm.

WEIGHT

73.4 Pounds

Spleen

INTERPRETED BY

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.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Barnea

Liver

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Occasional heterogeneous nodular changes noted in the liver. No significant disruption of architecture.

HOSPITAL NAME

Tenafly Vet Center

REFERRING VET

Dr. Barnea

Gastrointestinal

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.

INVOICE

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Pancreas

DATE

10/20/21

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.



PATIENT

Sandy Laub

SPECIES

Canine

BREED

Lab

SEX

Spayed Female

AGE

9 Years

WEIGHT

73.4 Pounds

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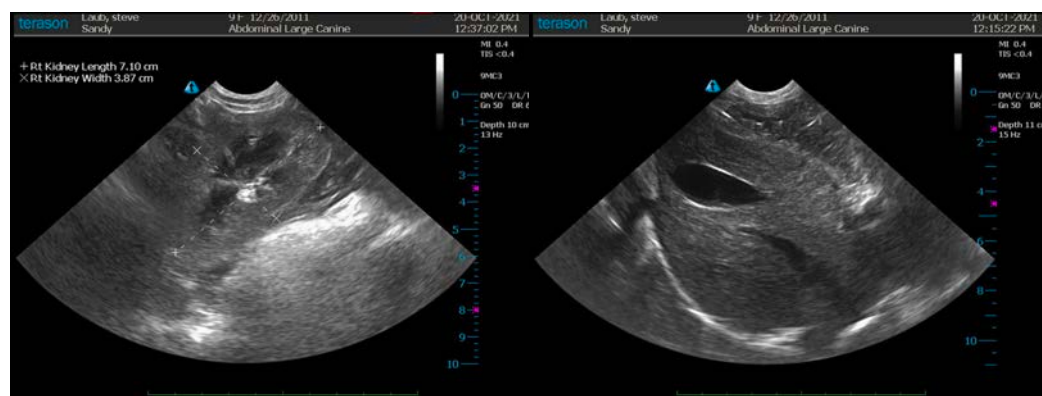
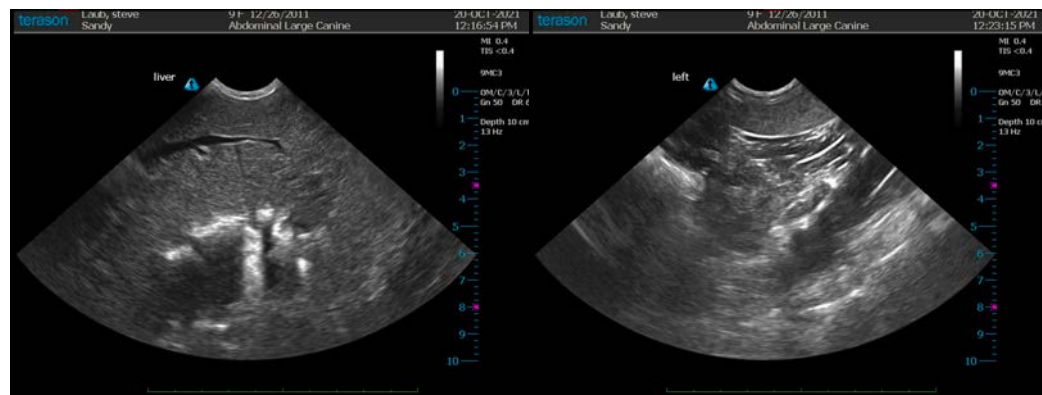
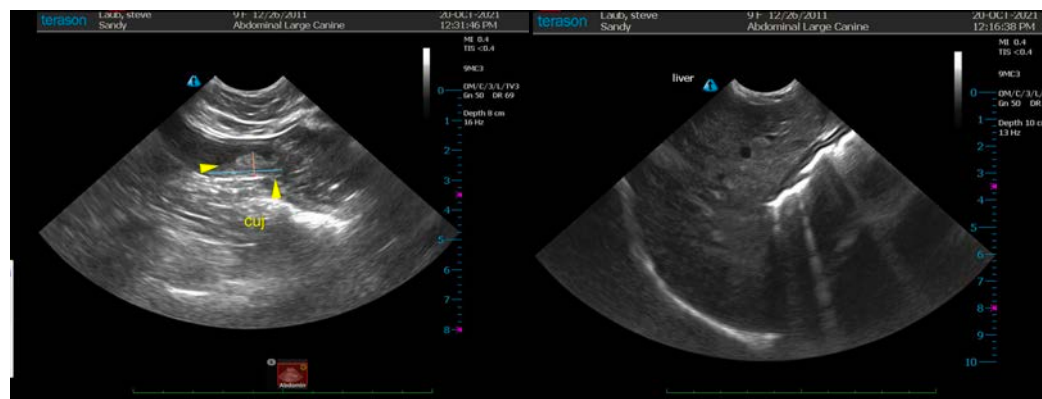
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ULTRASONOGRAPHIC FINDINGS

- Moderate hepatic remodeling/vacuolar hepatopathy pattern
- Non-specific cystourethral junction bladder thickening – possible emerging carcinoma versus polypoid hyperplasia.
- Structurally normal adrenal glands

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assessment for straining to urinate recommended. FNA of the liver could be considered for further definition.





PATIENT

Sandy Laub

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.

SPECIES

Canine

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.

BREED

Lab

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

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SEX

Spayed Female

AGE

9 Years

WEIGHT

73.4 Pounds

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