



PATIENT PRESENTING CLINICAL SIGNS

Murray Hunt

History: Elevated ALT (190) noted on 10/18/2022 for pre-operative blood work prior to dental COHAT and dermal cyst removal from right pinna on 10/24/2022. P was also started on Vetriscience Liver supplement at time of dental. Recheck BW on 11/29/2022 showed progressively elevated ALT (259). P is feeling well at home - no concerns aside from p being overweight (7/9). No history of PU/PD/PP.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: BCS 7/9, Numerous static SQ lipomas. 10/18/22: ALT (151) 11/29/22: ALT (259) Other labs WNL Last UA performed in 7/2022: USG - 1.058, 3+ protein, 20-30 RBCs, otherwise quiet sediment.

BREED

Dachshund Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

Neutered male

The **urinary bladder** revealed 1.0 cm of sand accumulation that was non-obstructive. Minor, apical wall thickening was present.

AGE

The residual prostate was uniform with no evidence of pathology and measured 1.0 cm in width.

10 years

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. Mineralization was noted in the kidneys. The right kidney measured 5.1 cm. The left kidney measured 4.6 cm.

WEIGHT

21.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 0.65 cm at the caudal pole and 0.5 cm at the cranial pole. The right adrenal gland measured 0.86 cm at the cranial pole and 0.82 cm at the caudal pole.

IMAGING PERFORMED BY

Dr. Harasimowicz

HOSPITAL NAME

Waterbury VH

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.

REFERRING VET

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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

DATE

12/5/22



PATIENT

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remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Comet tail lung pattern was noted through the diaphragm.

SPECIES

Canine

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.

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Dachshund Mix

SEX

Neutered male

Pancreas

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.

AGE

10 years

ULTRASONOGRAPHIC FINDINGS

Minor cystitis pattern with bladder sand/calculi.

WEIGHT

21.5 lbs

Non-obstructive renal calculi.

Vacuolar hepatopathy.

Gallbladder sludge, not pathological.

Comet tail lung artifact noted through the diaphragm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient is likely passing calculi from the kidneys to the bladder periodically. Chest radiographs are recommended to assess for alveolar pathology. Cystotomy, sand analysis and culture can be considered. FNA of the liver can be considered; however, subjectively the liver appears benign.

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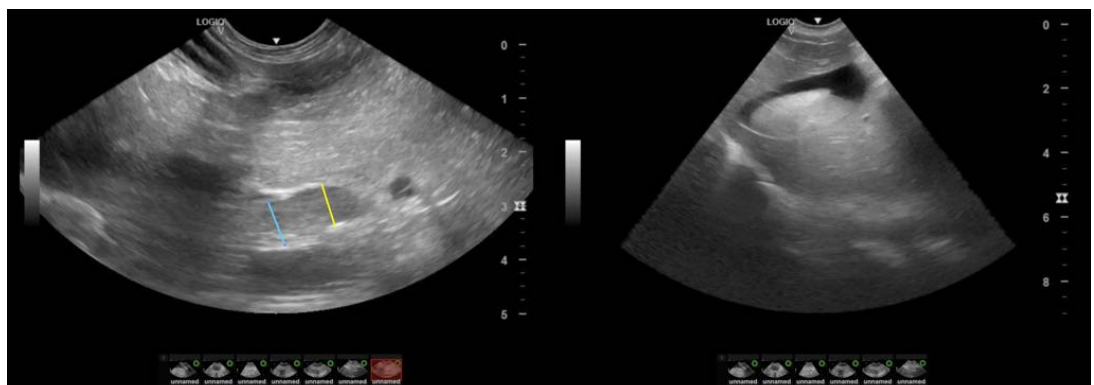
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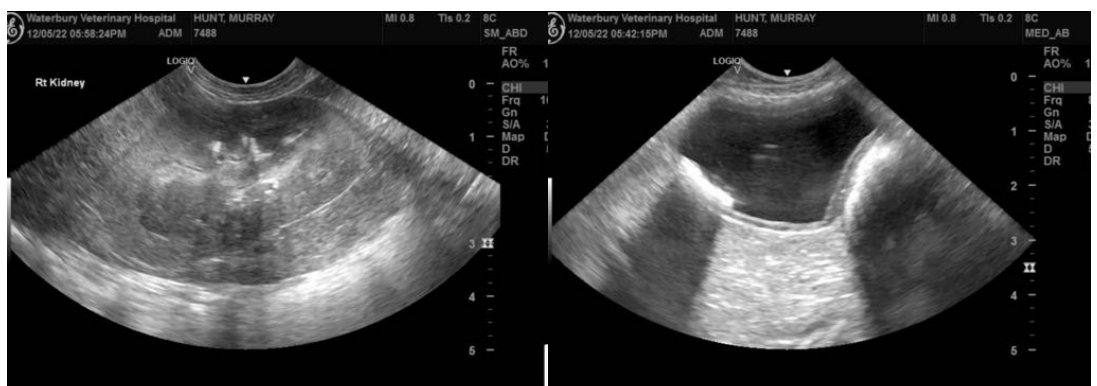
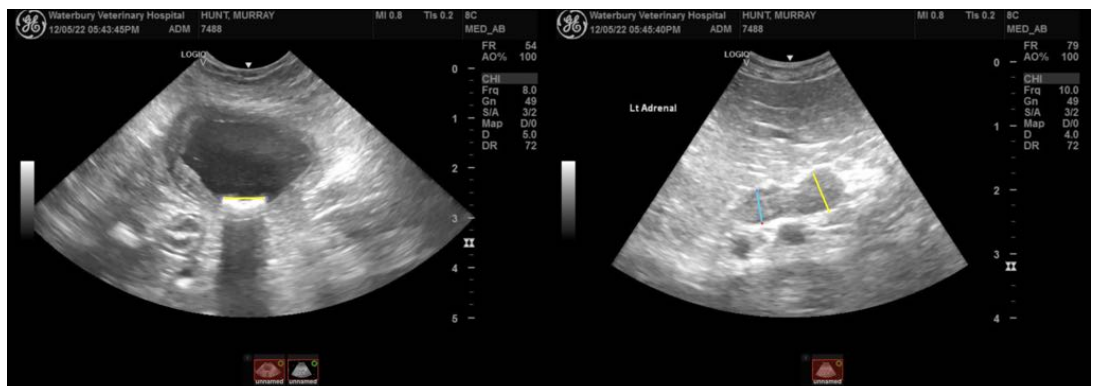
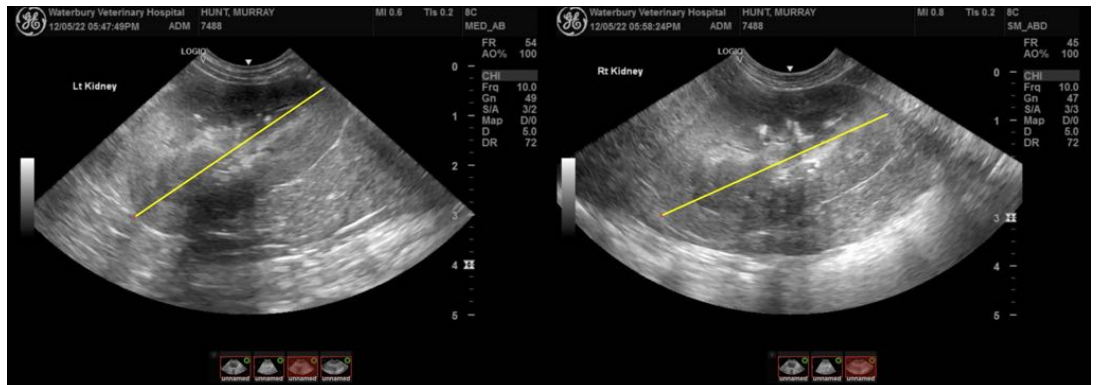
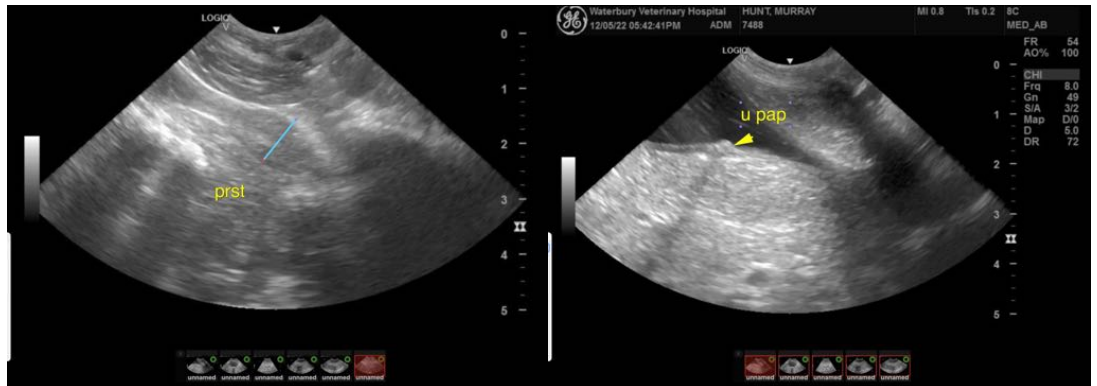
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Dachshund Mix

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

SEX

Neutered male

AGE

10 years

WEIGHT

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