

PATIENT PRESENTING CLINICAL SIGNS

Eugene Radford
 Appearing neurological - sudden onset blood work shows abnormalities Current Medications gabapentin

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: mildly non-responsive anemic monocytosis and thrombocytosis renal parameters - increased BUN and SDMA TP elevated - globulin elevated (54 - normal 24-40) and alb/glob ratio decreased

BREED

Shih Tzu Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

Neutered Male

The **urinary bladder** revealed mild concentric thickening mainly owing to mural hypertrophy. A trace amount of sand was present.

AGE

13 Years

The **prostate** was mildly enlarged at 1.6 cm with slight areas of mineralizations. If the patient was neutered later in life, this may be a normal variant. However, I am concerned for potential prostatic carcinoma.

WEIGHT

7.4 kg

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. Dystrophic mineralization was noted and non-obstructive at this time. The left kidney measured 4.3 cm in length. The right kidney measured 3.86 cm in length.

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP(CFM), 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 1.61 cm x 0.53 cm width at the caudal pole and 0.44 cm width at the cranial pole. The right adrenal gland measured 1.76 cm x 0.86 cm width at the cranial pole and 0.55 cm width at the caudal pole.

IMAGING PERFORMED BY

Kelly Reschny

Spleen

HOSPITAL NAME

Snelgrove VS

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.

REFERRING VET

Dr. Ioannou

INVOICE

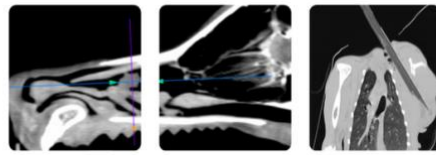
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Liver

DATE

05/01/26

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 was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.



PATIENT

Eugene Radford

No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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.

BREED

Shih Tzu Mix

Pancreas

SEX

Neutered Male

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

13 Years

ULTRASONOGRAPHIC FINDINGS

- Prostatic enlargement.
- Minor bladder hypertrophy.
- Excessive gallbladder debris.

WEIGHT

7.4 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ursodiol therapy is warranted over a 6-8 week period with recheck sonogram indicated of the prostate and gallbladder. Urinalysis workup is warranted. The cause of the anemia is unclear. CBC path review +/- bone marrow aspirate is recommended. Given the neurological incident, skull +/- spinal CT may be appropriate depending upon neurological exam.

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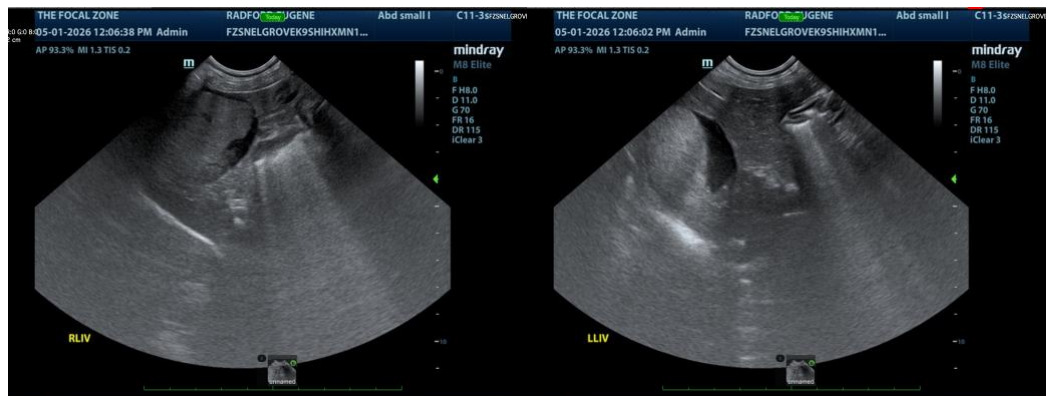
Dr. Ioannou

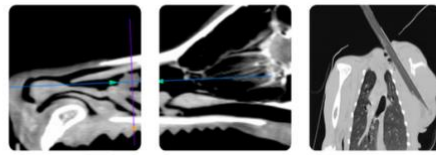
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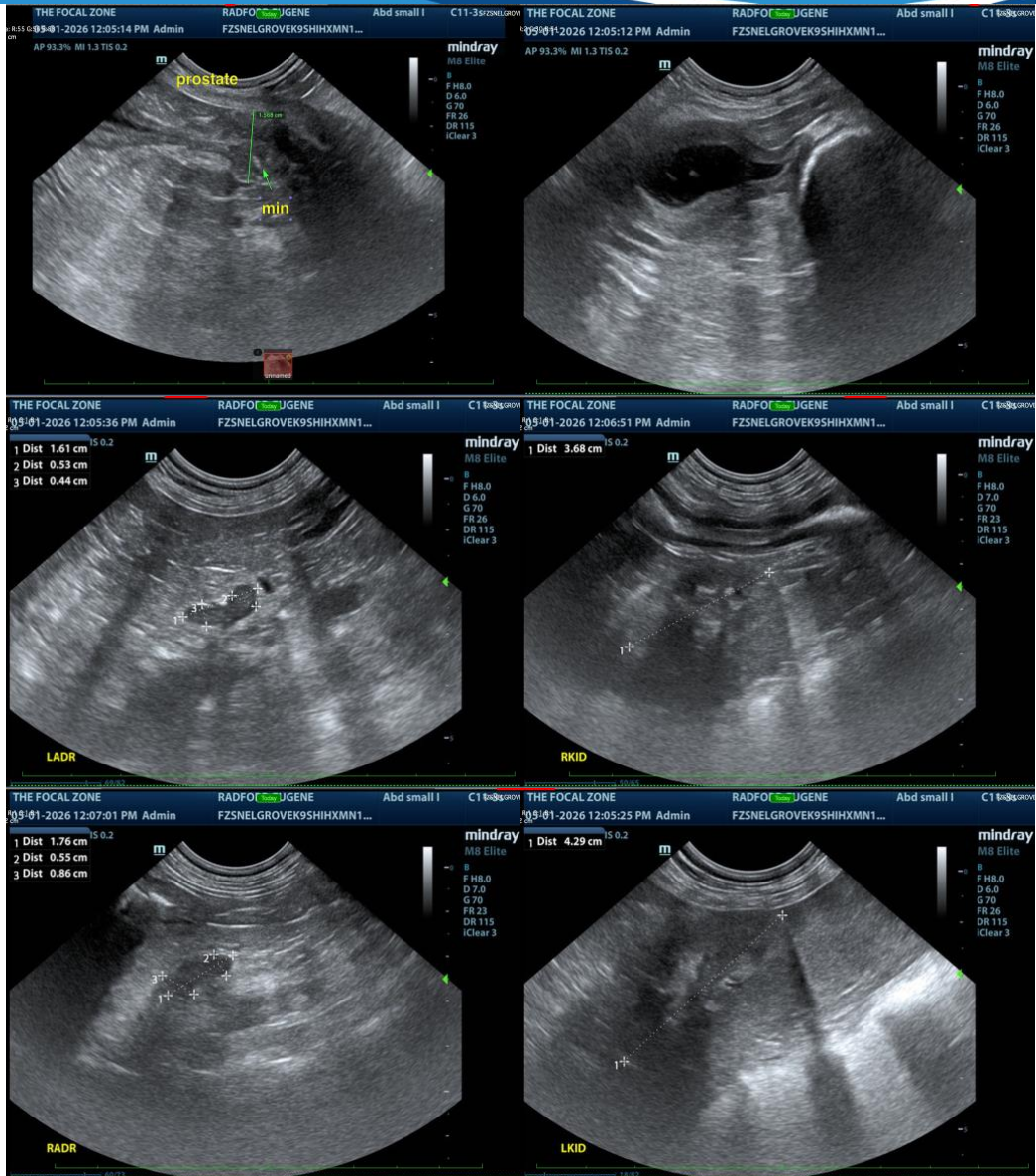
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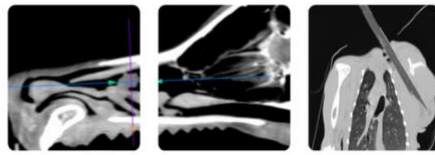
The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,

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Shih Tzu Mix

SEX

Neutered Male

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