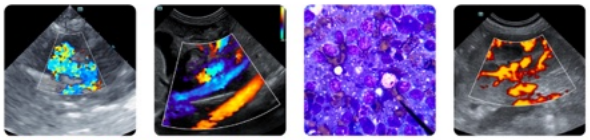

PATIENT

Hijinx Cavanaugh

SPECIES

Canine

BREED

Lab Cross

SEX

Neutered male

AGE

13 years

WEIGHT

25 kg

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Trudeau

HOSPITAL NAME

Vetcetera AH

REFERRING VET

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INVOICE

74031

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PRESENTING CLINICAL SIGNS

- Dx with CRD stage 2 in Dec 2025
- Renal values improved with Aventi Kidney supplement and Epikatin (there was no increased Phos levels)
- In the last month the renal values continued to be stable but his appetite decreased significantly - force feeding whatever he will eat
- Ultrasound performed to assess for a co-morbidity
- Meds: galliprant renal AVenti, Epikatin
- Chest x-rays - NSF Chem: Creat 174 (44-159umol/L) was 197 in Jan; Phos - normal at 2.14 (2.5-9.6mmo/l) and was normal in Dec prior to Epikatin ALP 18 (23-212 U/L); otherwise NSF CBC - NSF liver and spleen FNA - pending

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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 5.0 cm. The right kidney measured 5.8 cm.

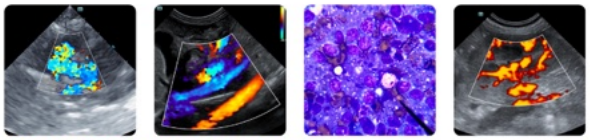
The residual prostate was uniform and measured 1.17 cm.

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 0.56 cm at the caudal pole and 0.49 cm at the cranial pole.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted.



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Liver

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. A mixed, echogenic hepatic nodule was noted in the deep left liver measuring 2.1 cm and a separate microcavitated mass in the right liver measuring 3.5 cm. Minor, heterogenous nodular changes were noted elsewhere in the liver. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal.

Gastrointestinal

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.

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.

ULTRASONOGRAPHIC FINDINGS

Liver mass and nodules. Multi-centric carcinoma, hemangiosarcoma, granulomatous disease and less likely abscessation.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound-guided FNA of the general hepatic parenchyma and mixed, transitional echogenicity of the liver nodules are recommended. Prognosis is guarded.

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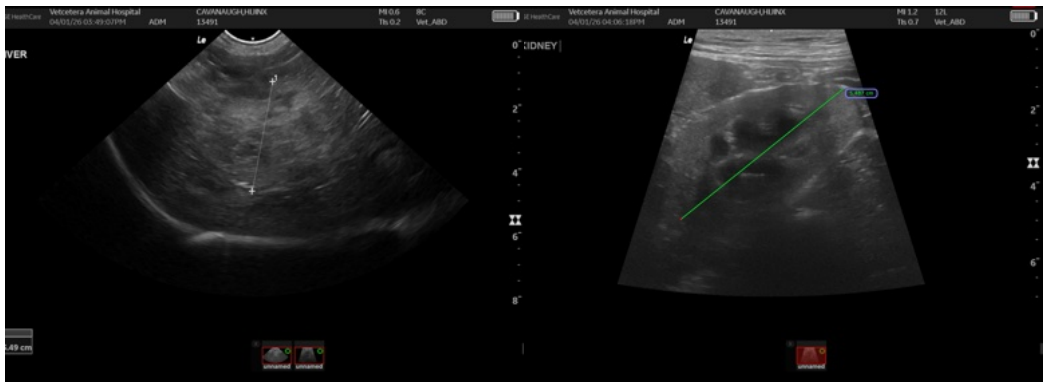

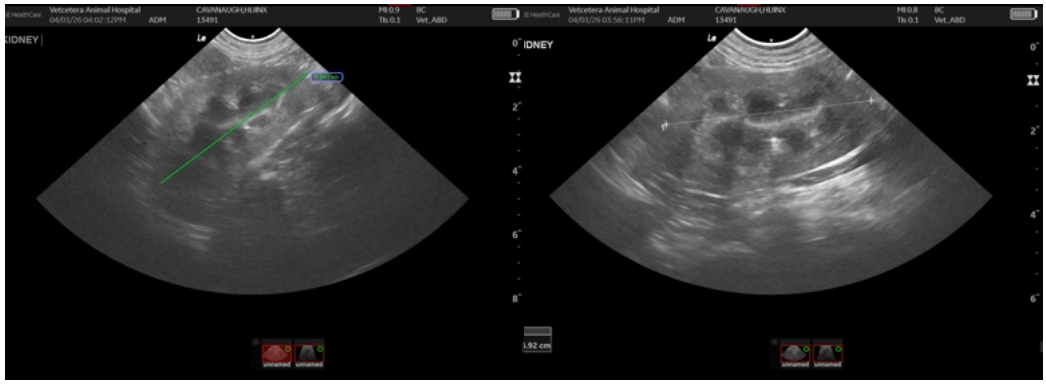

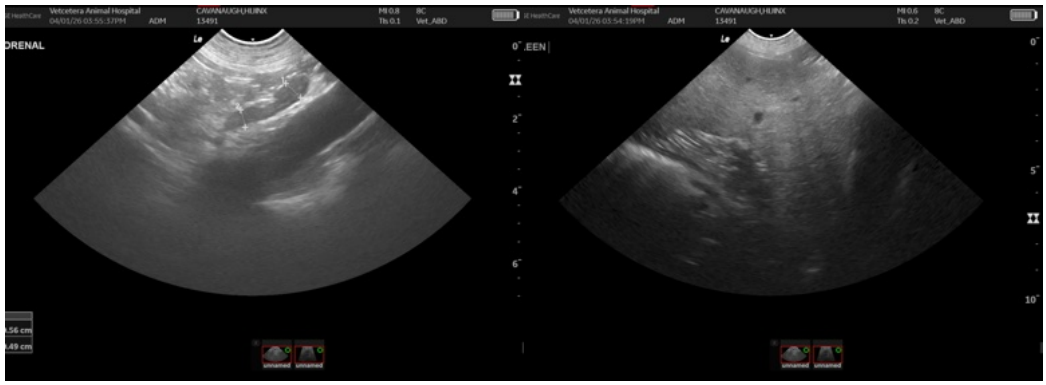

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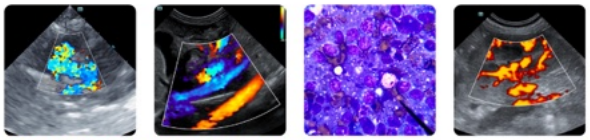

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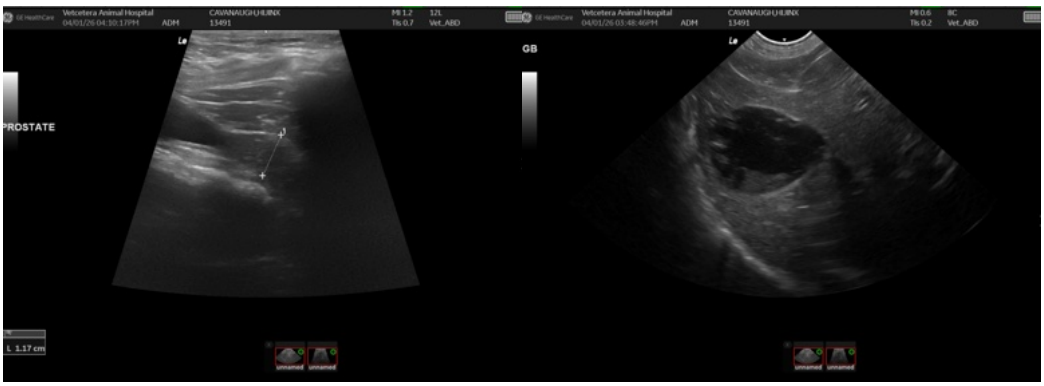

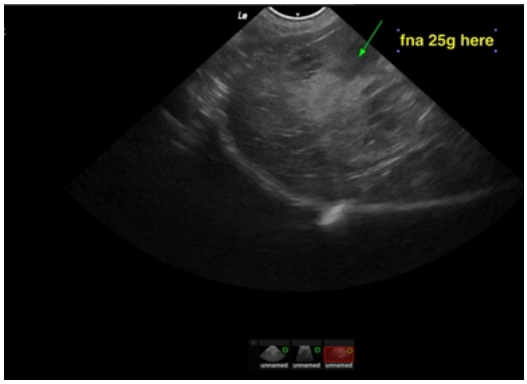

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com