



PATIENT PRESENTING CLINICAL SIGNS

Clayton Davidson

weight loss - induced by reduction in food vs metabolic disease vomiting and diarrhea but still has appetite recently completed antibiotics for UTI dental disease, worn teeth joint disease Current Medications Recent course of Cerenia 160mg 1 tab SID, Provable Capsules 1 cap SID, Metronidazole 2 tabs SID Primary Question/Differential to Be Answered in This Exam Urinalysis shows worsened UTI. We can consider a different antibiotic treatment, culture, abdominal ultrasound (evaluate urinary tract, prostate, other abdominal sources of wbc/translocation, recent GI concerns)

SPECIES

Canine

BREED

Golden Retriever

Abnormal PE/Chem/CBC/UA Results: 06/15/2023: CBC is wnl NSF in Chem T4 = 1.9 Urinalysis: spgr 1.045, ph = 6.5, 3+ protein, 6-10 rbc, rare rods, 50-75 wbc, 1+ epi cells 07/06/2023: Urinalysis: > 50 wbc, 37 rbc, 1-2 non squamous Fecal:no ova/parasites seen non-pathogenic yeast present

SEX

MN

AGE

9yr

WEIGHT

68lb

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder was mildly over distended. Regional inflammation was noted throughout the pelvic urethra and pelvis owing to prostatic pathology.

The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with mild 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. Slight pyelectasia was noted. The left kidney measured 7.26 cm in length. The right kidney measured 7.63 cm in length.

INTERPRETED BY

Eric Lindquist, DMV
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The prostate was enlarged and irregular. Cystic mineralized parenchyma was present. The prostate measured 3.62 cm. This is strongly consistent with prostatic carcinoma.

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 1.89 cm in length by 1.11 cm caudal pole width by 2.71 cm cranial pole width.

IMAGING PERFORMED BY

Jenna Walsh CVT

Spleen

The spleen revealed an expansive mixed hypoechoic 2.0 cm mass in the mid caudal body.

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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. Minor 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. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

REFERRING VET

Dr. Cox

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Gastrointestinal



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There was some residual chyme and gas 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.

Free Abdomen

Enlarged iliac lymph nodes. The nodes were irregular and hypoechoic, highly probable to be metastatic.

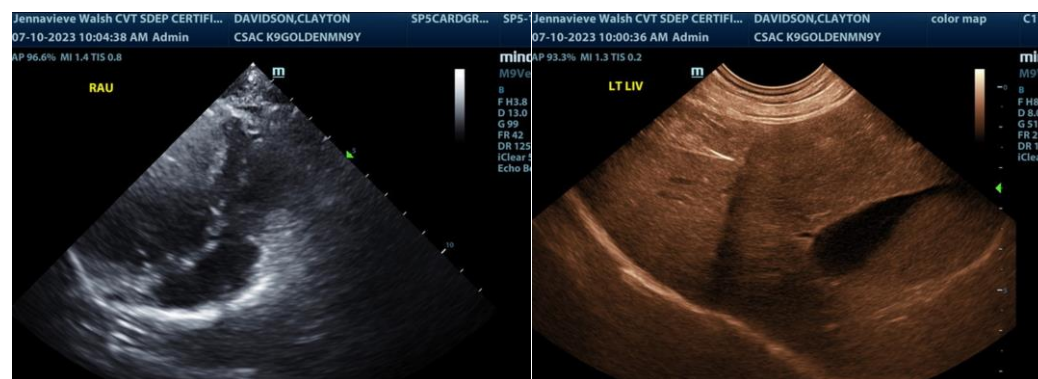
Rapid view of the heart revealed no evidence of pathology in the visible window.

ULTRASONOGRAPHIC FINDINGS

- Prostatic mass.
- Concurrent splenic mass-suspect hemangiosarcoma.
- Enlarged iliac lymph nodes-suspect metastatic.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A FNA of the prostatic mass, spleen and iliac nodes is recommended with minor potential for tumor trailing. Three view chest radiographs are recommended if not done to assess for metastatic disease.



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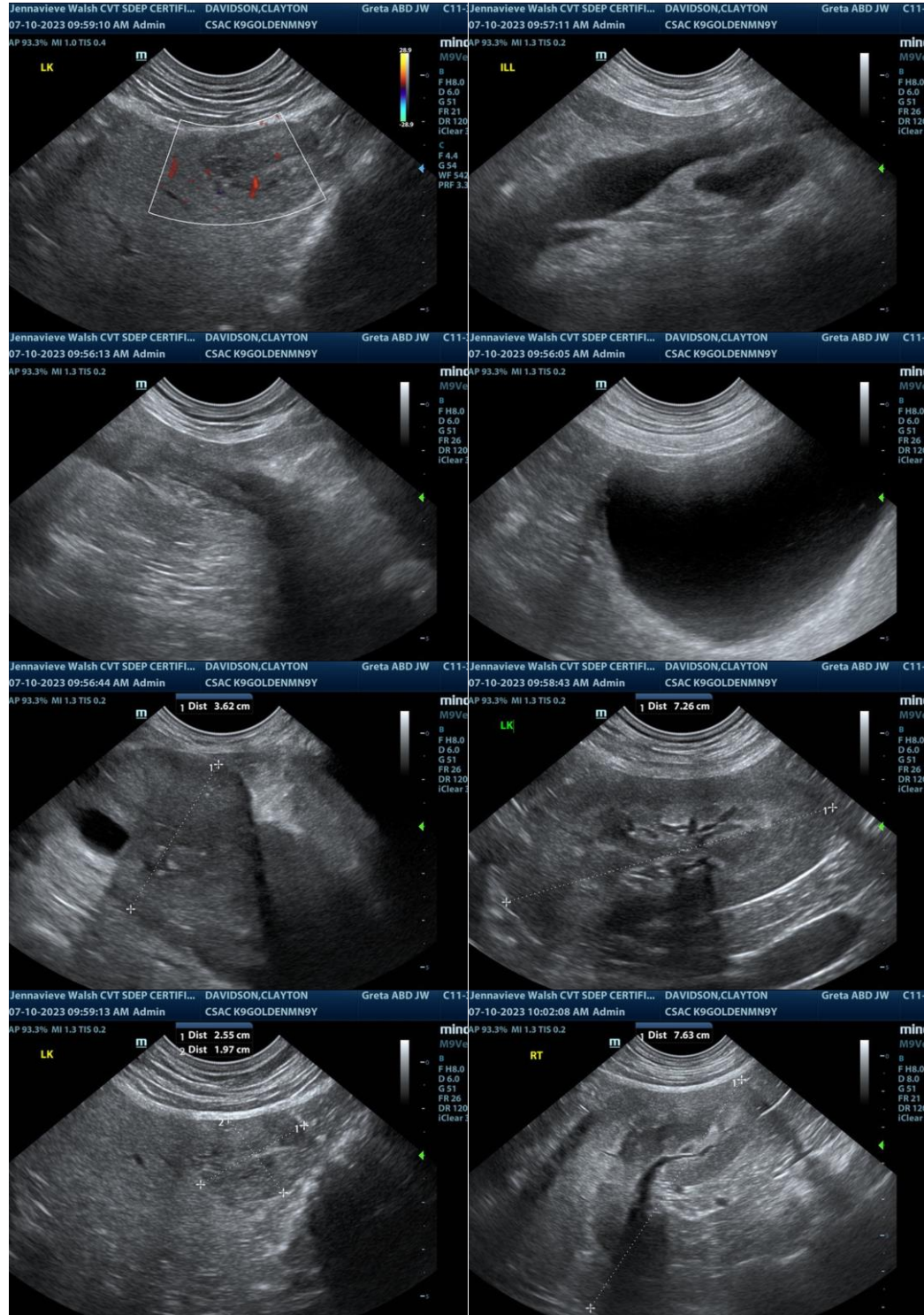
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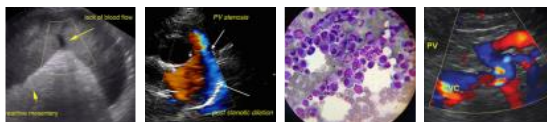
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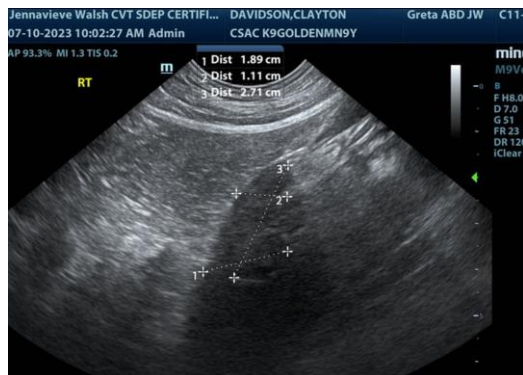
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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