



PATIENT PRESENTING CLINICAL SIGNS

Tessa Elliott Exam 3/29 - 3 weeks ADR, panting, trembling episodes, not eating. Mild submandibular lymph node enlargement. Tense abdomen. Radiographs show enlarged spleen-possible mass effect & decreased serosal detail cranial abdomen.

SPECIES Abnormal PE/Chem/CBC/UA Results: Diagnosed hypothyroid 3/2021 - now on thyroid meds & seems regulated. Mildly elevated ALP @ 282; creatine kinase @ 302.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Beagle 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 were noted. Ureteral papillae were normal.

SEX

Spayed Female

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. Slight corticomedullary and cortical mineralization present. The right kidney measured 6.1 cm. The left kidney measured 5.7 cm.

AGE

10 Years

WEIGHT

35 Pounds

Adrenal Glands

The **left adrenal gland** measured 1.17 cm x 0.59 cm at the caudal pole and 0.44 cm at the cranial pole. A hyperechoic 0.6 cm x 1.17 cm nodule noted in the mid body. Length of the left adrenal measured 2.0 cm.

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS

The **right adrenal gland** revealed a hyperechoic expansive nodule at the cranial pole measuring 0.96 cm x 1.14 cm cranial pole and 0.43 cm at the caudal pole.

Spleen

IMAGING PERFORMED BY

Heidi Putman

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. The spleen was folded upon itself cranially, which may be creating a mass effect on palpation and/or radiographic findings.

HOSPITAL NAME

Reid Vet Hospital

Liver

REFERRING VET

Dr. Reid

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. Gallbladder polyps noted.

DATE

8/26/21

Gastrointestinal

INVOICE

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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



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infiltrative disease was noted. No associated abnormal lymphatic activity was noted. Areas of mesenteric remodeling noted associated with the intestine. History of enteritis and steatitis likely.

Pancreas

SPECIES

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

BREED

Beagle

Free Abdomen

Slight free fluid present and actively reactive mesentery.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Bilateral adrenal nodules – likely adenomas, minor potential for emerging carcinoma or pheochromocytoma.
- Mesenteric remodeling and reactive mesentery with slight regional lymphadenopathy
- Slight free fluid
- Likely enteritis/steatitis pattern
- Geriatric abdomen otherwise

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WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Mid abdominal palpation warranted to assess for any discomfort. No overt evidence of neoplasia. Broad-spectrum antibiotics, bland diet, and pain management recommended. Recheck sonogram in 5-7 days to ensure that the intestinal presentation is not progressing. Serial blood pressures recommended to assess for any hypertension related to the adrenal nodules. However, these are likely benign. If the patient appears Cushingoid, workup for adrenal dependent Cushing's or PDH recommended.

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Eric Lindquist, DMV,
DABVP, Cert. IVUSS

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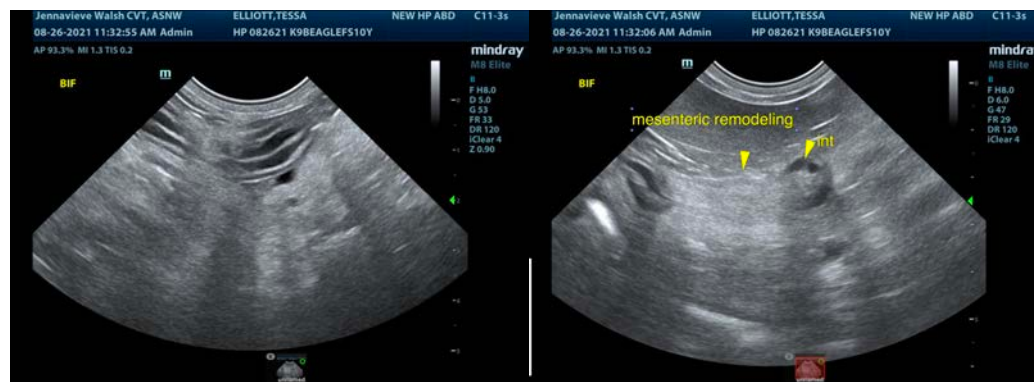
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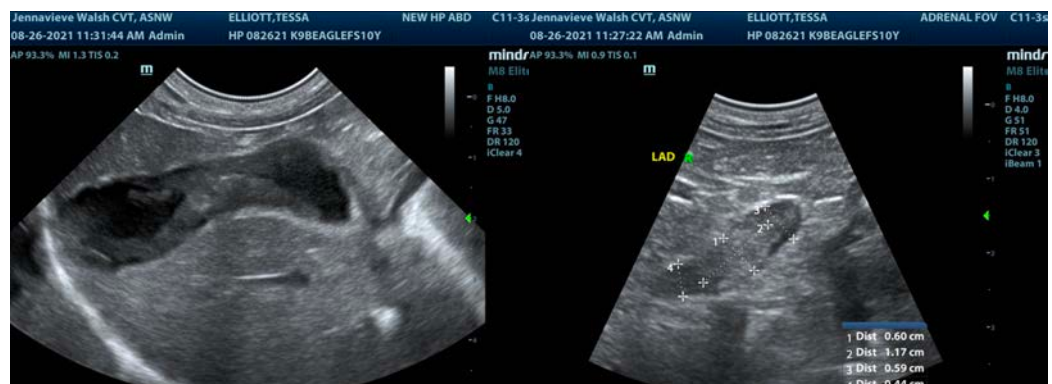
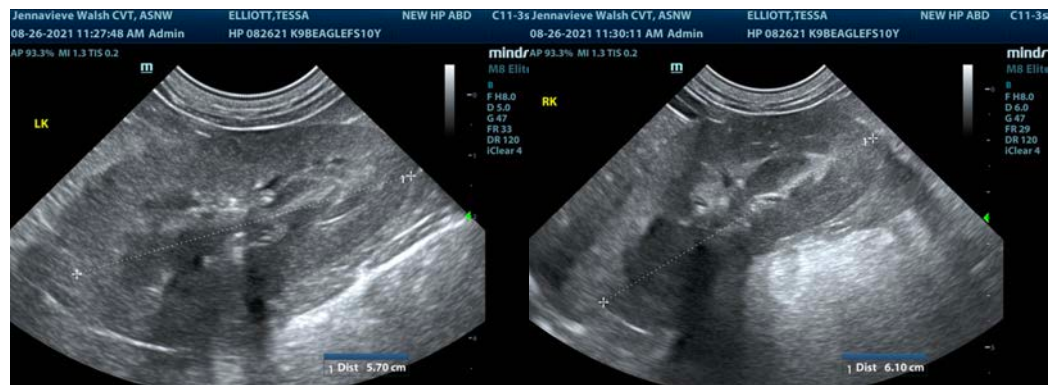
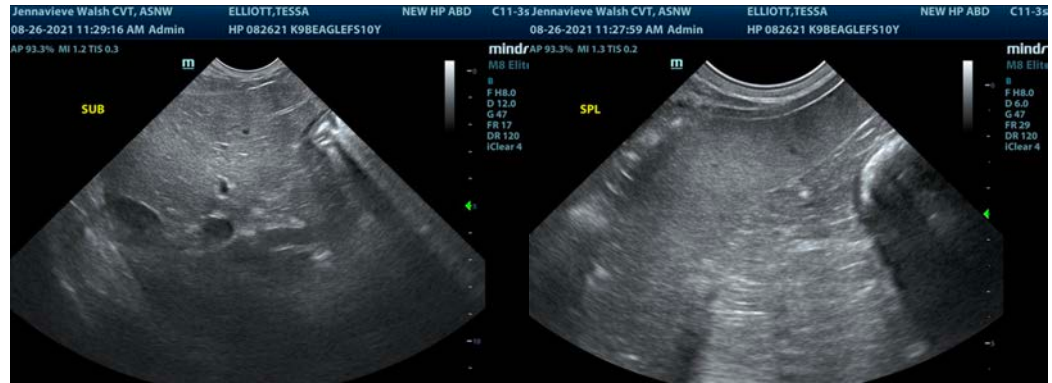
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Beagle

Eric Lindquist, DMV, DABVP, Cert. IVUSS

CEO of Sonopath.com

SEX

Spayed Female

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