



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Annie James
SPECIES Canine
BREED Golden Retriever
SEX Spayed Female
AGE 12 Years
WEIGHT 53.46 Pounds

History: Cyclic itching/flaky dry spots related to stress - has been controlled with low-dose cortisol therapy and thyroid support for the last year but symptoms have returned - Nodule next to nipple noted 5/13/22, removed 5/13/22 - Otherwise strong and healthy - great energy levels (hiking up to 20 mi per weekend), amazing temperament, good BCS (5/9) Current Medications Prednisolone 5mg BID; levothyroxine 0.5 mg BID; Primary Question/Differential to Be Answered in This Exam Possible abdominal tumor or adrenal lesion, or other organ dysfunction (liver) causing extreme allergies or endocrine imbalance.
 Abnormal PE/Chem/CBC/UA Results: Labs done 10/13/22- Glucose 177 AST 15 RBC 5.33 HGB 12.3 HCT 36.1 Retic HGB 23.8 Neutrophils High normal - 10249

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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.36 cm. The left kidney measured 6.93 cm.

Adrenal Glands

The **left adrenal gland** was 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 2.2 cm x 0.37 cm at the cranial pole and 0.48 cm at the caudal pole.

Slight heterogenous changes were noted at the body of the **right adrenal gland** consistent with adenoma. Minor capsular expansion was noted. The right adrenal gland measured 3.15 cm x 1.09 cm at the cranial pole and 0.78 cm at the caudal pole.

Spleen

The **spleen** was slightly heterogenous. Caudal folding of the spleen was noted, positional variant. Occasional hypoechoic nodule was noted, particularly at the cranial pole, measuring 7.0 mm.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild 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

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Jenna Walsh, CVT

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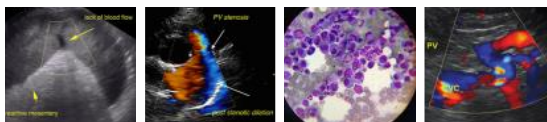
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11/4/22

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past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

Annie James

SPECIES

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.

Canine

BREED

Pancreas

Golden Retriever

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.

SEX

Other

Spayed Female

A rapid view of the **heart** revealed no evident pathology in the right auricle.

AGE

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ULTRASONOGRAPHIC FINDINGS

- Largely geriatric abdomen
- Splenic fold and minor nodular change to monitor
- Right adrenal nodule, subjectively benign. Adenoma is likely

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full adrenal panel is warranted given the patient history but note the Prednisone therapy may be suppressing a more significant presentation. FNA of the splenic nodule is recommended for further definition. Recheck sonogram in one month to assess for any progression, especially if clinical signs develop.

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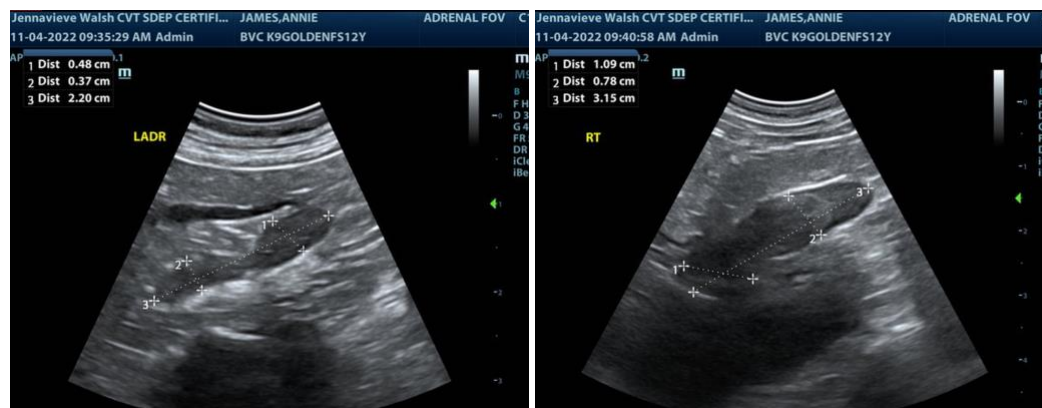
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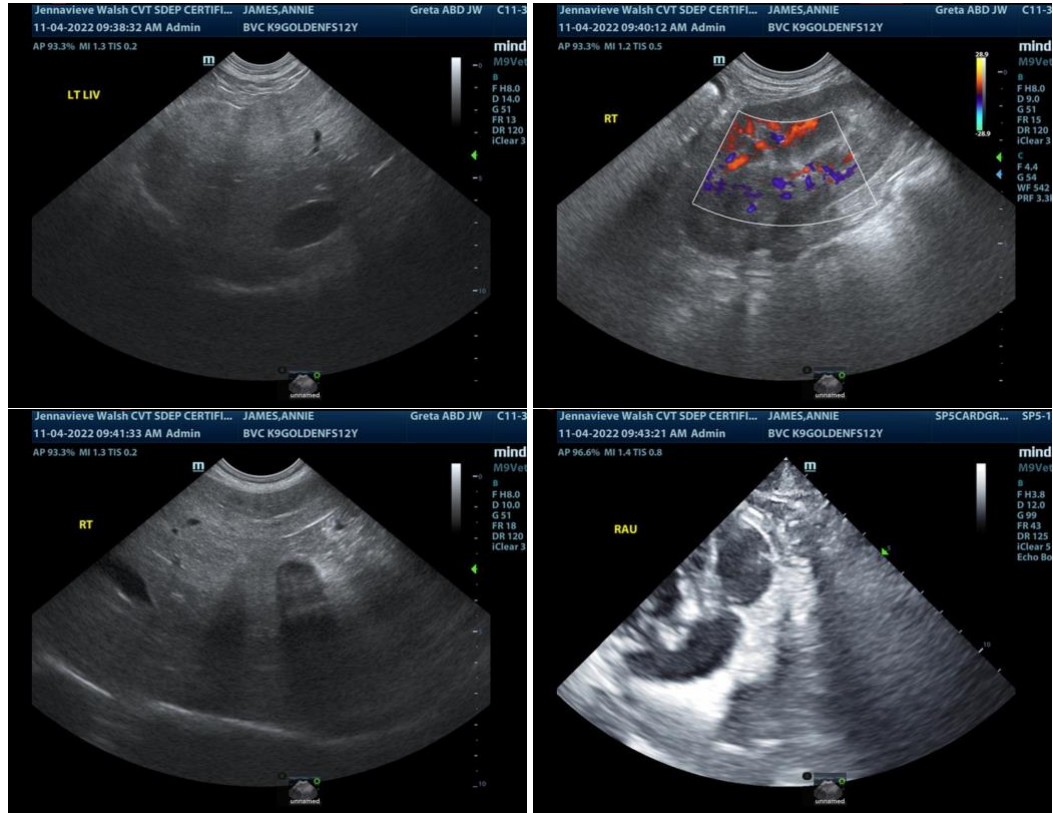
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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