

**DATE PRESENTING CLINICAL SIGNS**

2/9/22

History: Large SC mass (~10x20cm) on abdomen that owners would like to remove. Despite inconclusive fine needle aspirate samples (mesenchymal cells/mammary epithelium with necrosis), I have suspicion of mammary carcinoma. Thoracic radiographs were normal 12/20/2021.

PATIENT

Rosie Franklin

Current Medications: Dec 12, 21 Carprofen 75 mg 1/2 po bid, Gabapentin 100 mg po TID. 1/3/22 Zeniquin 100 mg SID x 10 days.

SPECIES

Canine

Lab Results: 12/6/21 non-regenerative anemia, hyperkalemia, hyperglobulinemia. UTI Dec 18th with WBC/bacteria. USG 1.012 w/2+ protein

Radiographs: Report attached separately.

Date of Previous IntraPet Ultrasound: 11-3-2016.

BREED

Bulldog X

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**SEX**

Spayed Female

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.

AGE

11/25/08

WEIGHT

41 Pounds

The **kidneys** presented normal size with mild irregular contour slight pyelectasia. The right kidney revealed cortical cysts up to 2.69 cm. The right kidney measured 6.1 cm. The left kidney revealed thickened cortices and some loss of corticomedullary definition. Slight mineralizations noted. The left kidney measured 6.9 cm.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**Adrenal Glands**

The **right 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 right adrenal gland measured 2.39 cm x 0.74 cm at the caudal pole and 0.79 cm at the cranial pole.

IMAGING PERFORMED BYStephanie Pearce
RDACS, RVT

The **left adrenal gland** was mildly enlarged, yet uniform, measuring 2.39 cm x 0.74 cm at the caudal pole and 0.79 cm at the cranial pole.

HOSPITAL NAME

Perry Hall AH

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. Slight hyperechoic nodule and lipogranulomatous changes noted. 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 were noted.

REFERRING VET

Dr. Hatzigiannakis

INVOICE

35564

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. The right caudal liver revealed anechoic cysts measuring up to 2.0 cm. 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.

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.

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

A large, cavitated subcutaneous mass was noted measuring 11.5 cm.

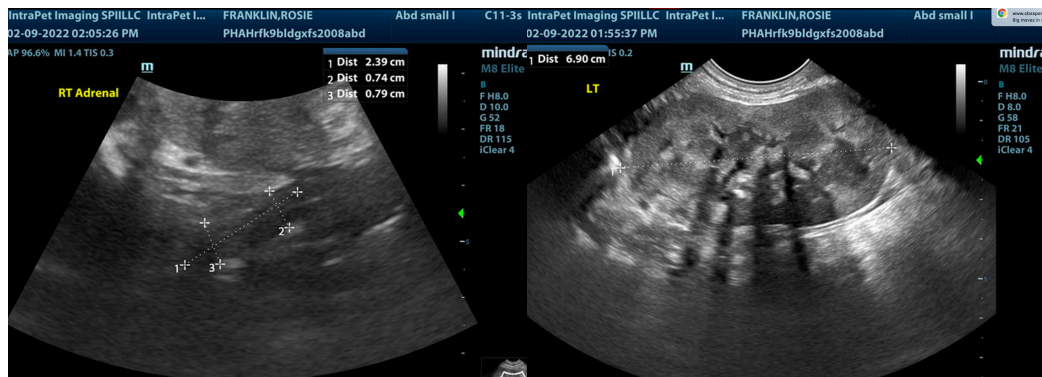
Rapid view of the heart revealed no evident pathology in the right auricle or pericardium.

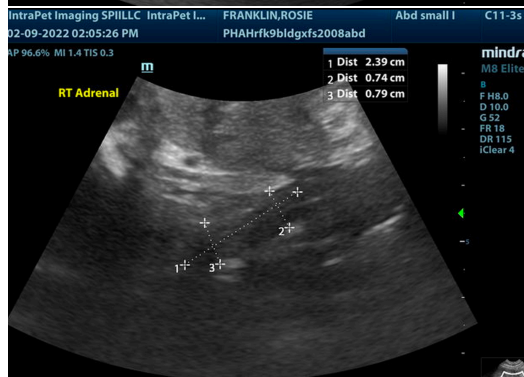
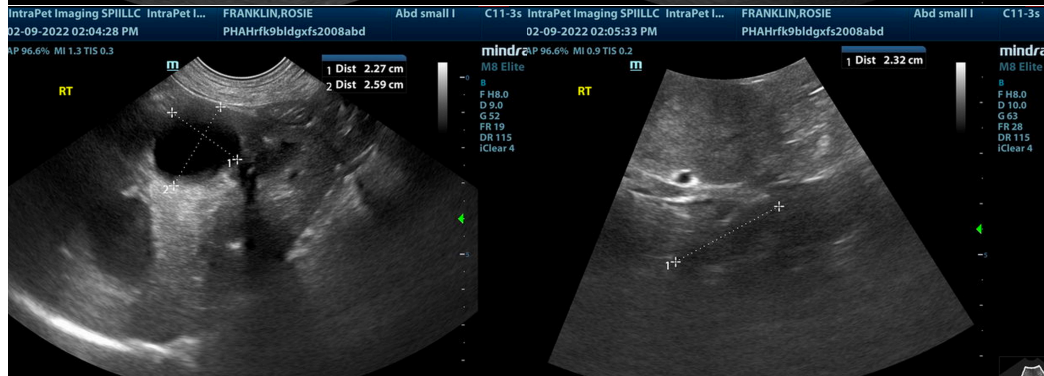
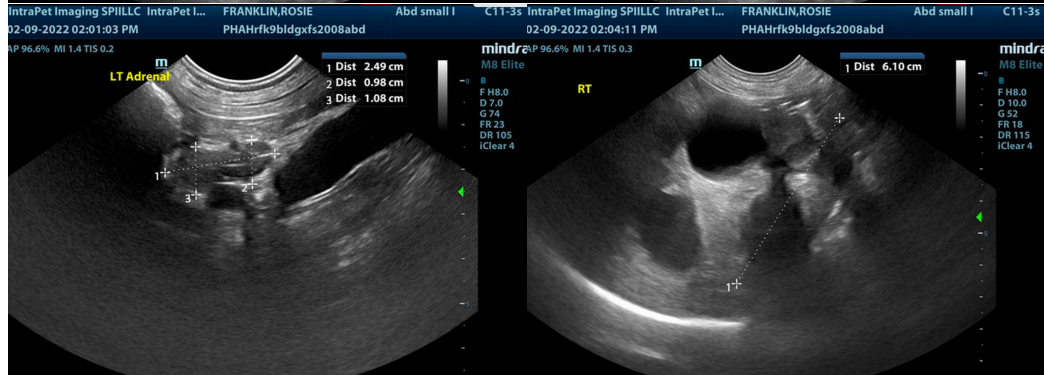
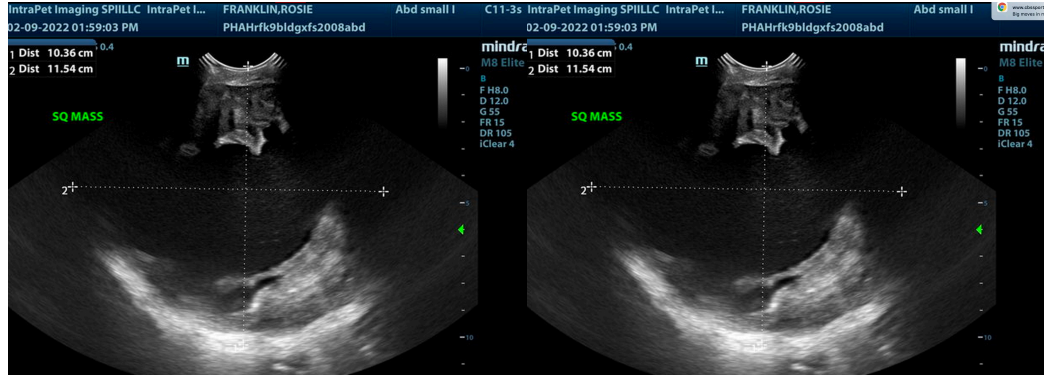
ULTRASONOGRAPHIC FINDINGS

- Polycystic right kidney with mild to moderate degenerative changes
- Mildly enlarged left adrenal gland
- Lipogranulomatous splenic changes
- Cystic hepatic changes
- Cavitated subcutaneous mass – approximately 60% fluid filled

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of metastatic disease. the cystic changes in the right kidney and liver appear subjectively benign. Surgical removal of the cystic mass indicated. Full urinalysis warranted if not already performed to assess for any evidence of UTI. The anemia may be owing to bleeding within the subcutaneous mass. The minor pyelectasia noted in the kidneys may be owing to underlying pyelonephritis. Urine culture and sensitivity and treatment for UTI indicated, given the urinalysis and renal results.





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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