

PATIENT

Romeo Rea

SPECIES

Canine

BREED

Labrador Mix

SEX

Neutered Male

AGE

12 Years

WEIGHT

77.3 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Q Street AH

REFERRING VET

Dr. Cone

INVOICE NUMBER

21966

DATE

4/13/23

PRESENTING CLINICAL SIGNS

History: Swelling in left groin, appeared several weeks ago. Physical exam: large soft subcutaneous swelling in left inguinal region. Patient objects to palpation, but seems able to be reduced partly. In-house ultrasound showed large anechoic area centrally Radiographic Findings Radiographs of the area showed an increase in soft tissue opacity but were otherwise not definitive. Primary Question/Differential to Be Answered in This Exam Determine whether mass vs. hernia, obtain FNA if relevant, surgical planning purposes.

Abnormal PE/Chem/CBC/UA Results: Carprofen 75 mg q12-24

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 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. The right kidney measured 7.16 cm. The left kidney measured 7.27 cm. An anechoic cyst (1.0 cm) was noted in the caudal pole of the left kidney, not pathological.

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 1.35 cm at the cranial pole and 0.61 cm at the caudal pole x 2.71 cm in length.

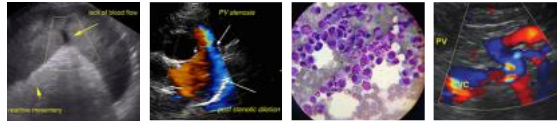
The **left adrenal gland** was mildly enlarged at the caudal pole, measuring 2.72 cm x 0.6 cm at the cranial pole and 1.06 cm at the caudal pole.

Spleen

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.

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



PATIENT 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.

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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.

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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.

AGE 12 Years
Free Abdomen
The **inguinal** swelling in this patient is most consistent with lipoma. It appears encapsulated and extends to a depth of 7.6 cm x 12 cm in length. Uniform fat density was noted.

- ULTRASONOGRAPHIC FINDINGS**
- Inguinal lipoma, not pathological
 - Age-related abdominal changes with left renal cyst
 - Mildly enlarged left adrenal gland

INTERPRETED BY **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Eric Lindquist, DMV, DABVP, Cert. IVUSS
Surgical resection could be considered if discomfort is present or impingement upon regional structures, however, histopathologically, this sonographically appears benign and consistent with lipoma.

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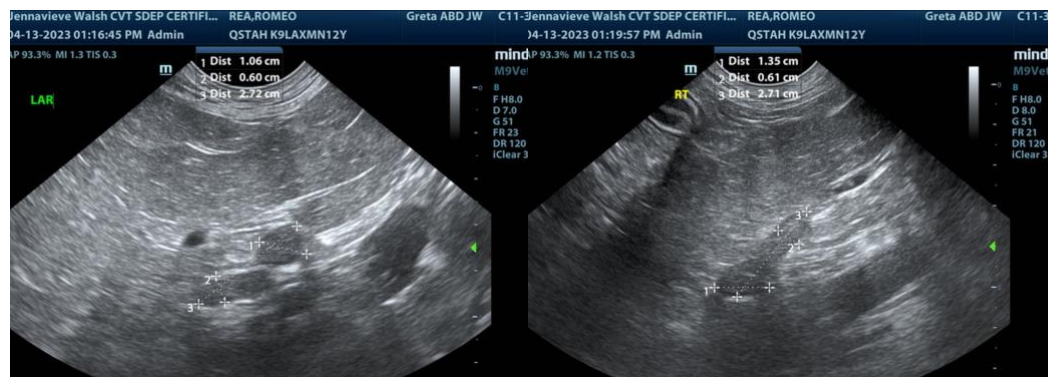
Dr. Cone

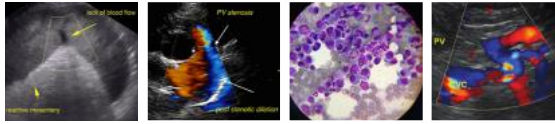
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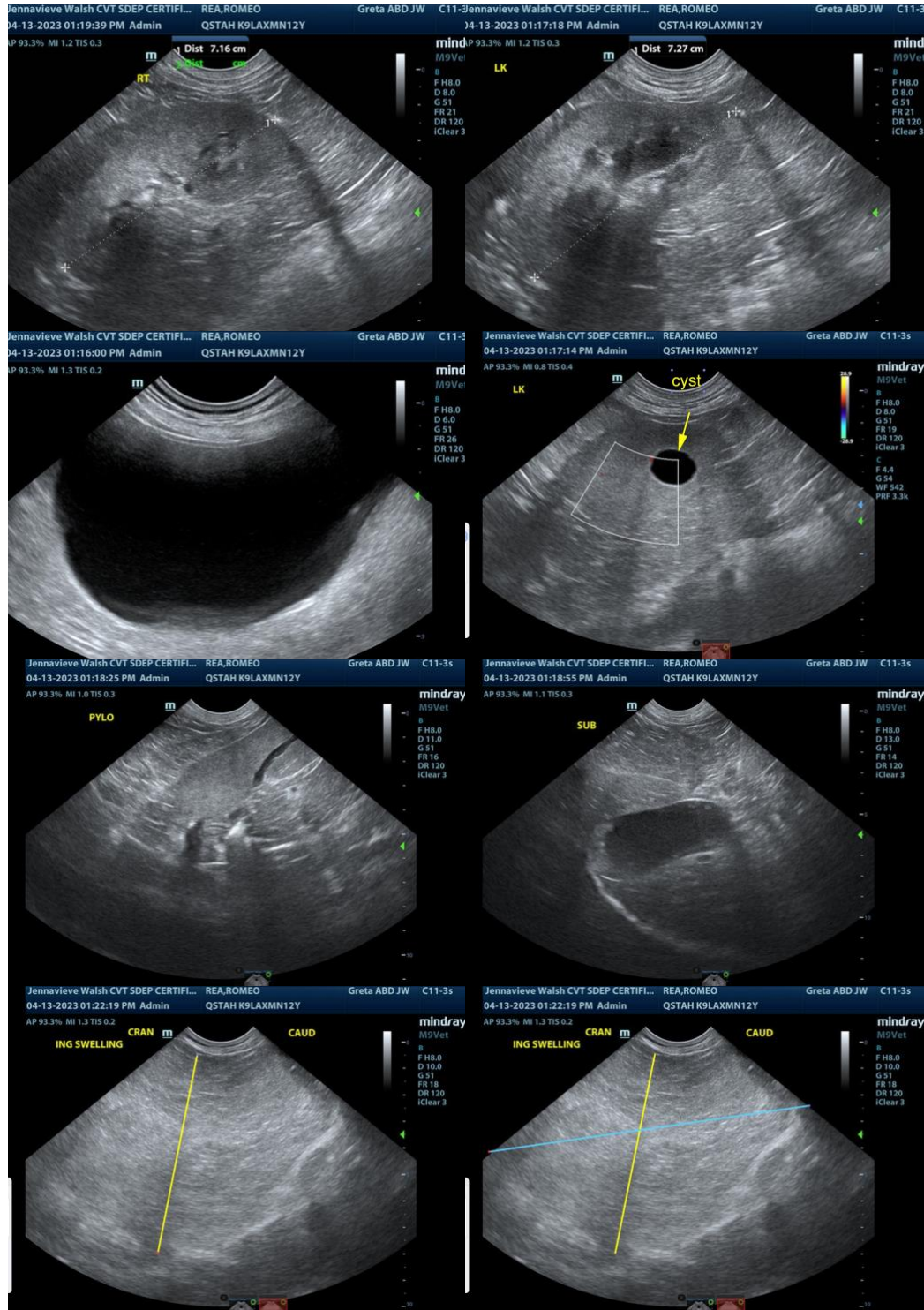
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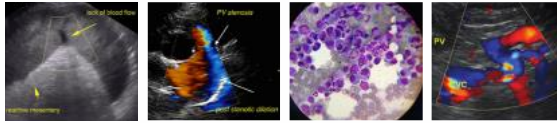
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology



PATIENT that was not visible in the image/video clips provided.

Romeo Rea 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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Canine **Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com

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