



PATIENT

Annie Markland

SPECIES

Canine

BREED

Treeing Walker
Coonhound

SEX

Spayed Female

AGE

6 years

WEIGHT

35 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Markland

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

Dr. Markland

INVOICE

91819

DATE

9/14/21

PRESENTING CLINICAL SIGNS

History: This is my dog. She has a swelling on the medial aspect of her R gastroc muscle. There is no lameness. I thought she looked a bit asymmetrical about 3-4 weeks ago. More recently, it looks like a small egg. It feels soft and mobile. I don't think it is an injured muscle or fascial herniation, but I'm not sure. FNA was only fat with a second attempt showing mostly RBCs. In doing a scan for lymphadenopathy or possible mets (I had a dog with a mast cell tumour attached to his Achilles tendon), I found the gallbladder contained a lot of sludge. CBC and Chem are normal. This is not a standard imaging scan. I'm not concerned about measurements of adrenals or kidneys. I mostly want a second set of eyes on this leg and your input about how aggressive to be with the gallbladder. Should we just start Ursodiol or is an aspirate warranted? I did not see this on previous scans when I was testing the ultrasound a few months ago. Annie is scheduled for surgery on the leg Thursday. If you think this is a hernia or we need more imaging, please let me know. I have attached a picture of her rear legs so you can see the issue. If the leg images need to go to someone else, please send them. I'm happy to pay whatever charges apply.

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 was noted. Ureteral papillae were normal.

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 left kidney measured 6.09 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 0.5 cm. The region of the right adrenal gland was unremarkable.

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 was noted. The spleen measured 2.65 cm.



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Liver

The visible **liver** was unremarkable and the curvilinear patterns were maintained. However, minimal view were provided The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

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.

Gastrocnemius and Achilles Region

Images of the gastrocnemius region revealed a fat type density that was uniform. The lesion in question in the right gastrocnemius muscle is most consistent with fatty infiltration such as lipoma. It maintains curvilinear patterns and does not interfere with muscular or tendon tissue. The curvilinear patterns were respected in all connective tissue in the region. The left achilles was uniform with no evidence of pathology. There was no significant edema noted. The periosteum was clean and free of evident pathology.

ULTRASONOGRAPHIC FINDINGS

Normal abdomen with lipomatous type change in the right gastrocnemius muscle. This is not overtly pathological.

Gallbladder sludge.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The lipomatous type change should be monitored and if growing then further imaging would be warranted +/- CT, yet this is not likely pathological. There was no evidence of inflammation or infiltrative pattern into regional tissues noted.



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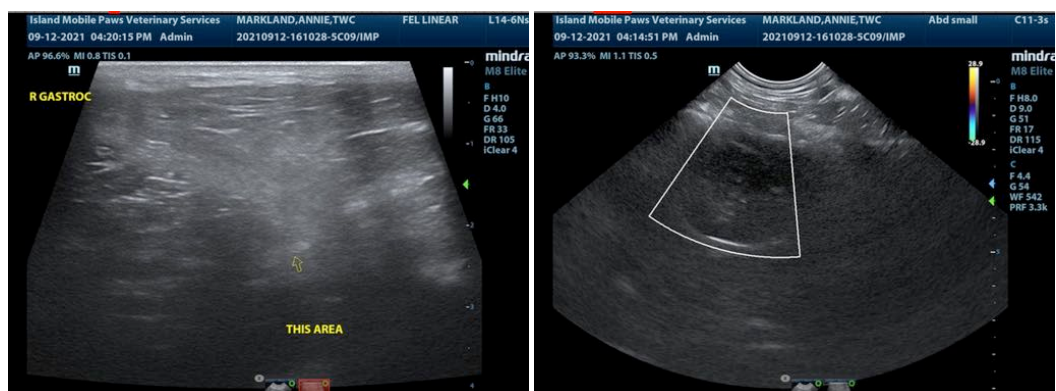
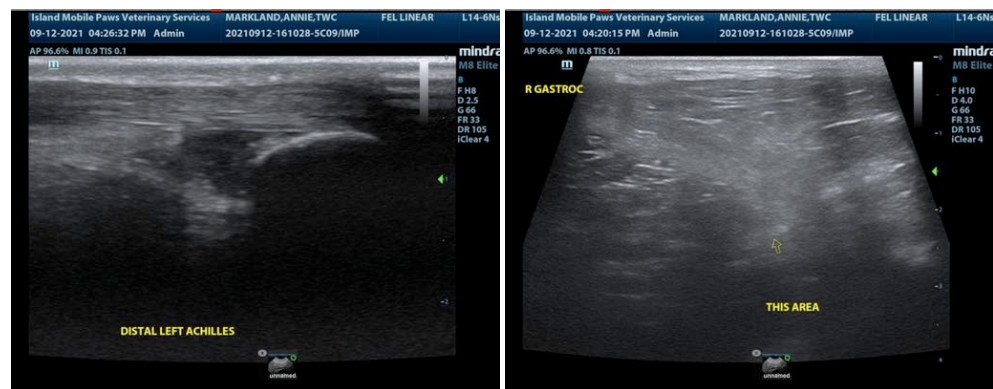
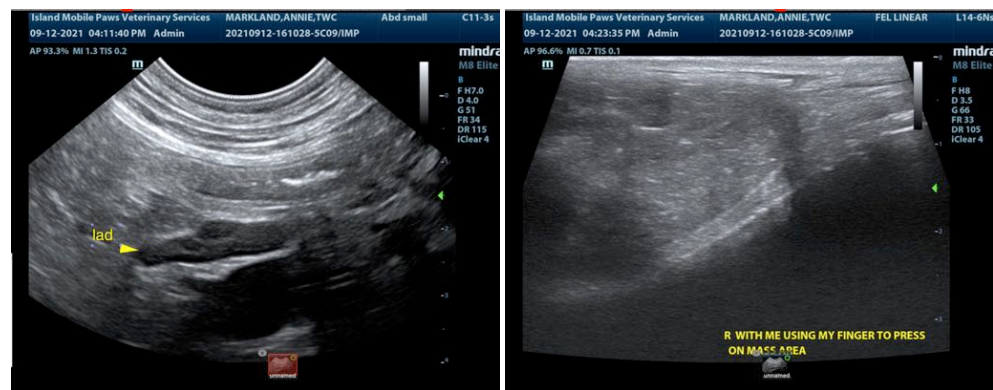
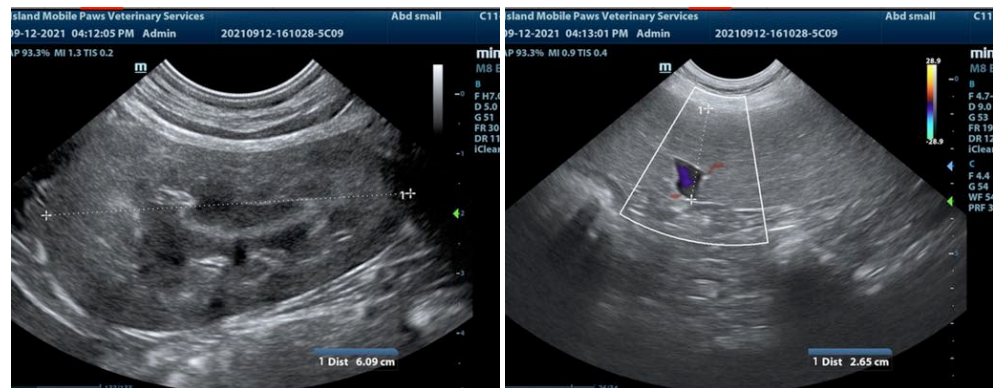
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veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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info@SonoPath.com

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