



PATIENT

Kylie Duetsch

SPECIES

Canine

BREED

Shepherd mix

SEX

Spayed female

AGE

12 years

WEIGHT

95 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Summit Dog and Cat
Hospital

REFERRING VET

Dr. Lepkowski

PRESENTING CLINICAL SIGNS

History: First seizure, poss mid abdominal mass (splenic vs other) Current meds: Phenobarbital, Carprofen, plan to start Baytril for UTI and yuhhan boiyao

Abnormal PE/Chem/CBC/UA Results: T4 2.3, Neg Acuplex 4, PLT 91 w/ small clumps observed. UA: Prot trace, WBC 11-20, rods + SG: 1.026

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 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 6.9 cm. The left kidney measured 6.47 cm.

Adrenal Glands

Both **adrenal glands** were 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 3.1 x 0.69 cm at the caudal pole and 0.7 cm at the cranial pole. The left adrenal gland measured 2.84 x 0.75 cm at the caudal pole and 0.89 cm at the cranial pole.

Spleen

The **spleen** revealed two expansive masses. One mass had mixed hypoechoic changes and appeared to be deriving from the caudal splenic body measuring 9.0 cm. The splenic mass was cavitated and peripherally inflamed. This is strongly suggestive for sarcoma. A second mass was noted and measured 5.0 cm. Trace amounts of fluid was noted adjacent to the mass. Reactive omentum was noted around the mass, local spread is a potential.

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Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic



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|---|---|
| PATIENT | lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident. |
| Kylie Duetsch | |
| SPECIES | <i>Gastrointestinal</i> |
| Canine | 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. |
| BREED | |
| Shepherd mix | |
| SEX | <i>Pancreas</i> |
| Spayed female | 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 | <i>Free Abdomen</i> |
| 12 years | A slight amount of free fluid was noted between the liver lobes. The caudal abdomen revealed a second mass cranial to the urinary bladder. Mixed, echogenic changes were noted. This mass measured 9.0 cm and is most consistent with an infarcted lipoma. |
| WEIGHT | |
| 95 lbs | |
| INTERPRETED BY | <i>Heart</i> |
| Eric Lindquist, DMV DABVP, Cert. IVUSS | The right atrium and right auricle were unremarkable. |
| IMAGING PERFORMED BY | ULTRASONOGRAPHIC FINDINGS |
| Jessica Miller, RDMS | Splenic masses and separate mass caudal to the spleen. Differentials include hemangiosarcoma, round cell neoplasia or less likely hematoma. |
| HOSPITAL NAME | Lipomatous mass in the caudal abdomen adjacent to the urinary bladder. |
| Summit Dog and Cat Hospital | No obvious organ metastasis. |
| REFERRING VET | <u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u> |
| Dr. Lepkowski | The splenic and caudal abdominal masses may be separate pathologies. The caudal mass would be most consistent with an infarcted lipoma. If chest radiographs are free of evident pathology then exploratory surgery is indicated with expectations towards splenectomy and removal of the caudal abdominal mass hoping that the caudal abdominal mass is an infarcted lipoma and not related to the splenic masses. |
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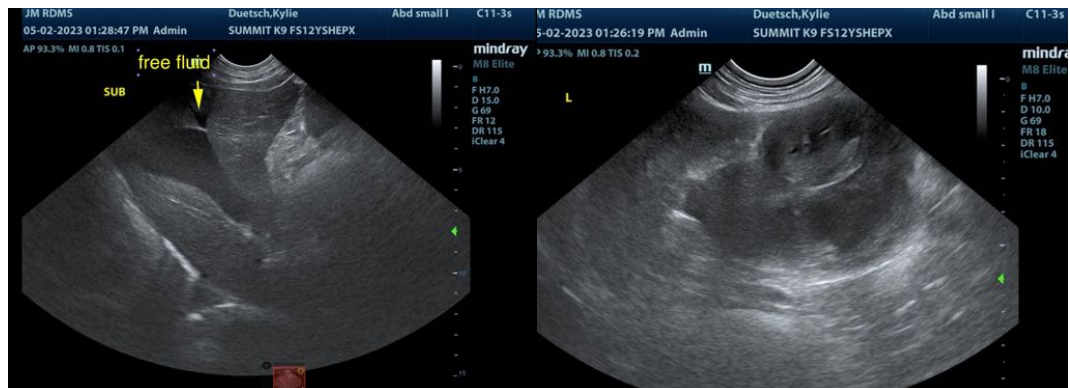
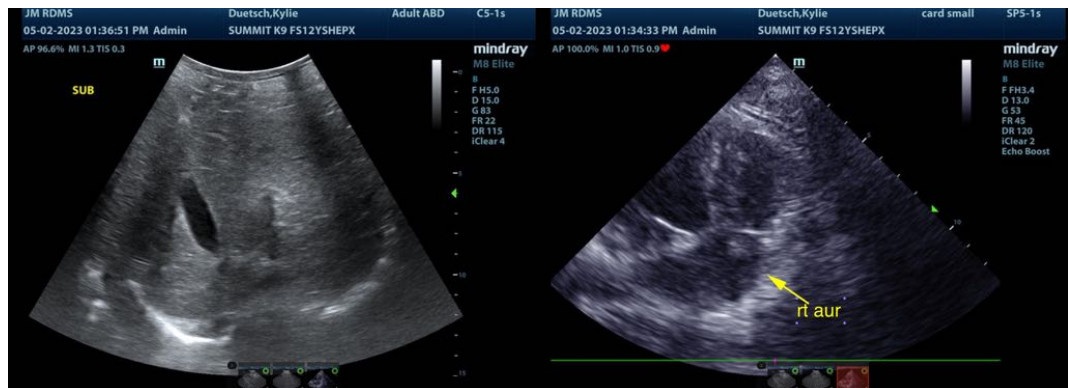
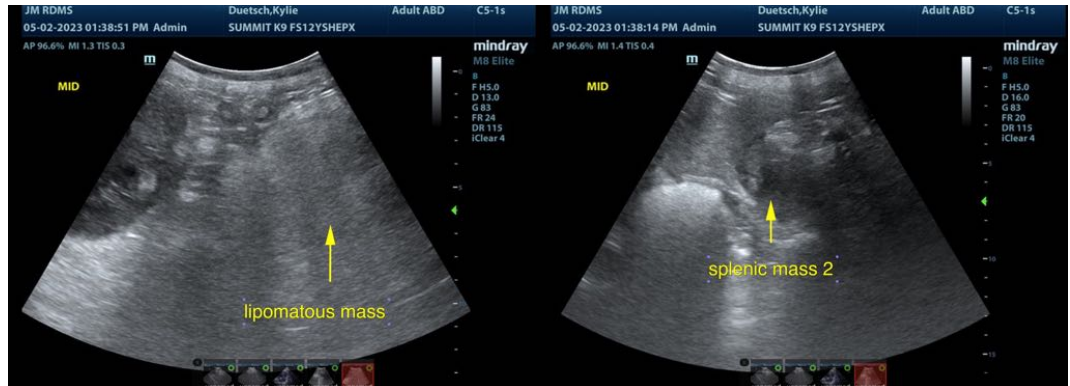
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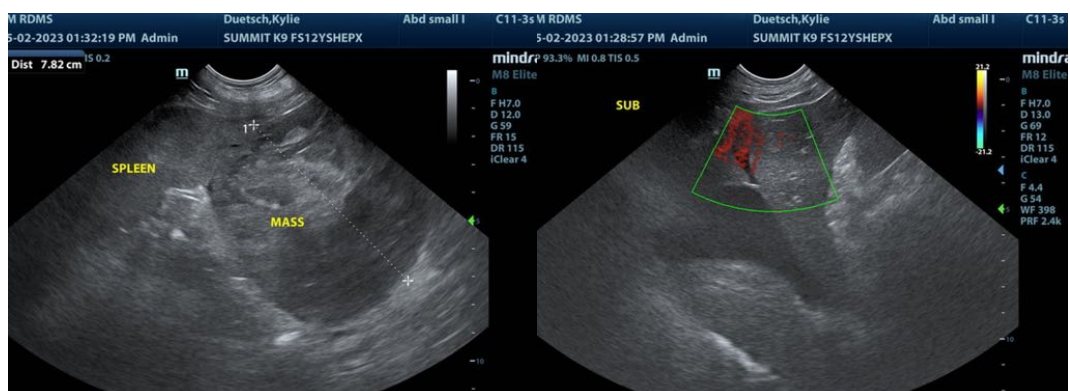
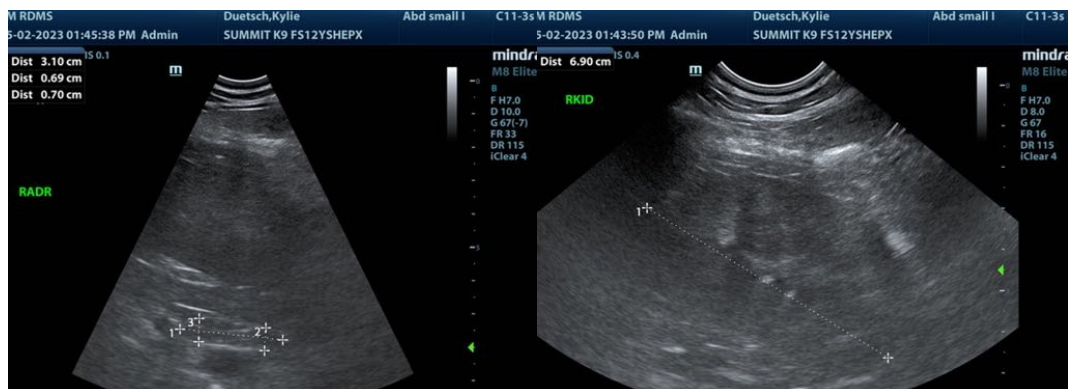
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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