



PATIENT

Daisy Grovum

SPECIES

Canine

BREED

Boxer Cross

SEX

Spayed Female

AGE

8 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

Harbour City AH

INVOICE

14982

DATE

4/29/22

PRESENTING CLINICAL SIGNS

Two week history of panting/shaking episodes that vary in intensity and length of time. Daisy has a history of cutaneous mast cell tumours (low grade), fully excised. When Daisy was seen at the emergency clinic for one of these episodes, the attending clinician mentioned that systemic mast cell disease could cause these clinical signs. On PE on April 28th, Daisy seemed to have LS pain/hip pain. Radiographs were done after the ultrasound. I do not have those results. FNA samples were taken from the spleen.

Abnormal PE/Chem/CBC/UA Results: Hematology: RBC 5.48 (6.0 - 8.90) MCV 82.3 (66-79) MCH 26.9 (22 - 26.0) Chemistry: ALP 134 (21-122) T4=13.1 (13-44) with pathologist comment to consider TSH

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 pelvic urethra was imaged 1.0 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 left kidney measured 6.93 cm. The right 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 2.45 cm x 0.5 cm at the cranial pole and 0.61 cm at the caudal pole.

The region of the **right adrenal gland** was imaged. No evident pathology.

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.

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 lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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Gastrointestinal

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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

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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.

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Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Unremarkable abdomen

AGE

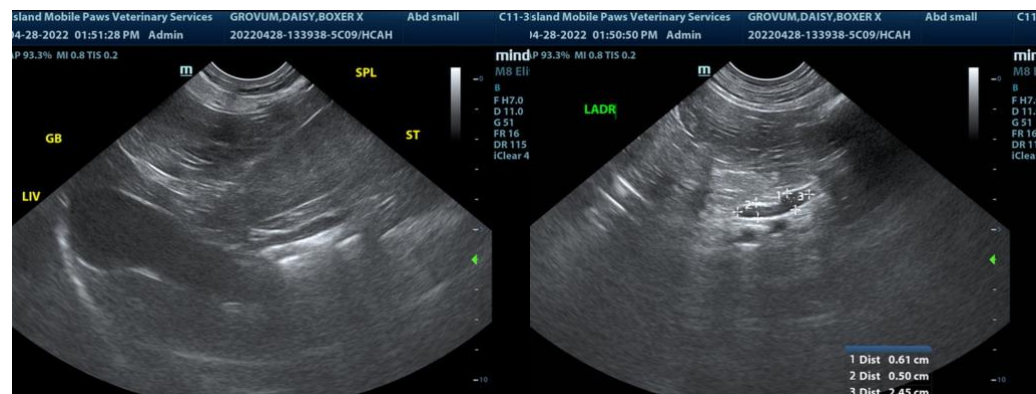
8 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of pathology.

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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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Daisy Grovum

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info@SonoPath.com

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