



PATIENT

Starr June

SPECIES

Canine

BREED

Heeler

SEX

Spayed Female

AGE

11 years

WEIGHT

42.1 lbs.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh

HOSPITAL NAME

Santa Clara AH

REFERRING VET

Dr. Barrett

INVOICE

12199

DATE

9/8/21

PRESENTING CLINICAL SIGNS

1cm soft SQ mass caudal to the left axilla 1cm ulcerated dermal mass on right lateral thorax FNA of mass near left axilla: adipocytes only--consistent with a lipoma. FNA of mass on right side: occasional mast cell seen. MCT is most likely given history of growing/shrinking dermal mass. Discussed benefits of pre-surgical abdominal ultrasound to check for metastasis.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.8 cm in length. The right kidney measured 6.1 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole and 0.37 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.39 cm width at the caudal pole and 0.45 cm width at the cranial pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. Several non-expansive, subtly hypoechoic to potentially cystic nodules were present in the spleen. An example of a hypoechoic to potentially cystic nodule noted in the mid spleen measured 0.86 cm in diameter. An example of a subtly hypoechoic non-expansive nodule in the lateral spleen measured 1.5 cm in diameter. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were



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normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

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Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Heeler

Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

Pancreas

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The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

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Free Abdomen

WEIGHT

No evidence of intraabdominal masses, lymphadenopathy, or effusion was present.

42.1 lbs.

ULTRASONOGRAPHIC FINDINGS

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Primary Findings

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

- Nonspecific subtle to hypoechoic possibly focally cystic splenic nodules
- Mild age-related kidneys

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Jenna Walsh

Largely geriatric abdomen without evidence of significant visceral pathology.

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The nonspecific splenic nodules may indicate benign or age-related changes such as areas of hyperplasia, hematopoiesis, parenchymal cysts, mild splenitis, or other. The nodules were not overtly suggestive of neoplastic or metastatic criteria, yet given the potential for cutaneous mast cell tumor, this possibility cannot be definitively excluded.

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Assuming normal clotting status, splenic parenchymal and nodule FNA using a 25-gauge needle is warranted for screening cytology. However, pending definitive diagnosis and grading of suspected mast cell tumor or based on oncology recommendations, sonographic monitoring of the spleen for evidence of progressive parenchymal or nodular changes may be considered.

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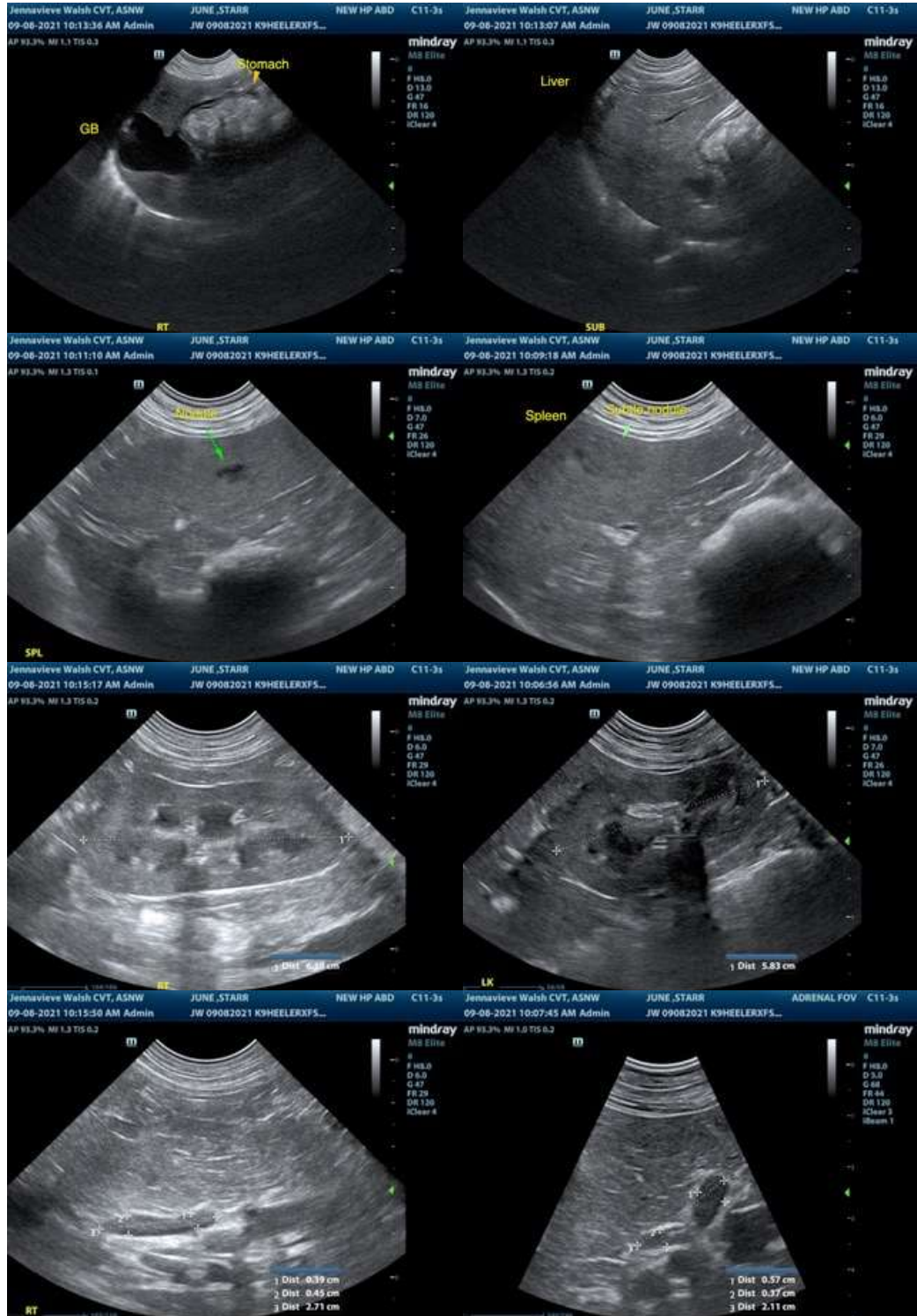
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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