**PATIENT**

Champ Johnson

SPECIES

Canine

BREED

Malamure Mix

SEX

NM

AGE

8 yrs

WEIGHT

130 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Gretchen Muhonen

INVOICE

14718

DATE

8/25/22

PRESENTING CLINICAL SIGNS

P presented for evaluation of several masses - No C/S/V/D. E/D/U/BM normal. O would like to pursue removal and histopathology of mass on left lateral dorsal cervical region/caudal left ear base mass as it has increased in size.

Abnormal PE/Chem/CBC/UA Results: Mildly elevated liver enzymes, numerous masses - FNA left ear base/cervical region - gritty texture - numerous round cells with heavily pigmented cytoplasm
CBC/CHEM - improving ALT levels since December 2021 yet still just over high side of normal

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 residual prostate was free of pathology.

No evidence of medial Iliac or sublumbar lymphadenopathy/masses was noted in the area of the Iliac trifurcation.

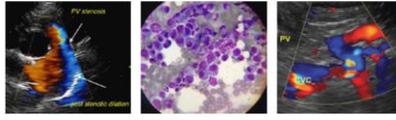
Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 8.7 cm in length. The right kidney measured 7.8 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 2.8 cm length x 0.57 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.4 cm length x 0.73 cm width at the caudal pole.

Spleen

The spleen exhibited potential for mild folding, which is likely a patient variant and not indicative of underlying splenic pathology. The spleen presented primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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.

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Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size containing minor dependent hyperechoic gallbladder debris. The cystic and common bile ducts were normal.

Gastrointestinal

The visualized gastric walls were sonographically normal. The lumen of the stomach contained mil, nonshadowing ingesta / chyme most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

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.

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

Pancreas

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.

Free Abdomen

No omental masses, lymphadenopathy, or evidence of peritoneal free fluid were noted.

ULTRASONOGRAPHIC FINDINGS

- Low-grade hepatopathy exhibiting mild parenchymal remodeling - benign
- Minor dependent hyperechoic gallbladder debris
- Minor benign splenic parenchyma changes
- Mild age-related kidneys

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

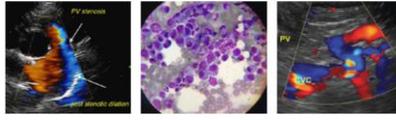
Overall, unremarkable abdomen with early age-related changes and without evidence of significant visceral pathology including overt evidence of intraabdominal neoplastic criteria. The hepatic presentation, although nonspecific, may suggest low-grade inflammatory or reactive hepatopathy, given the mild ALT elevation.

Screening hepatic FNA cytology could be considered for further assessment. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

No overt anesthetic contraindications are evident.

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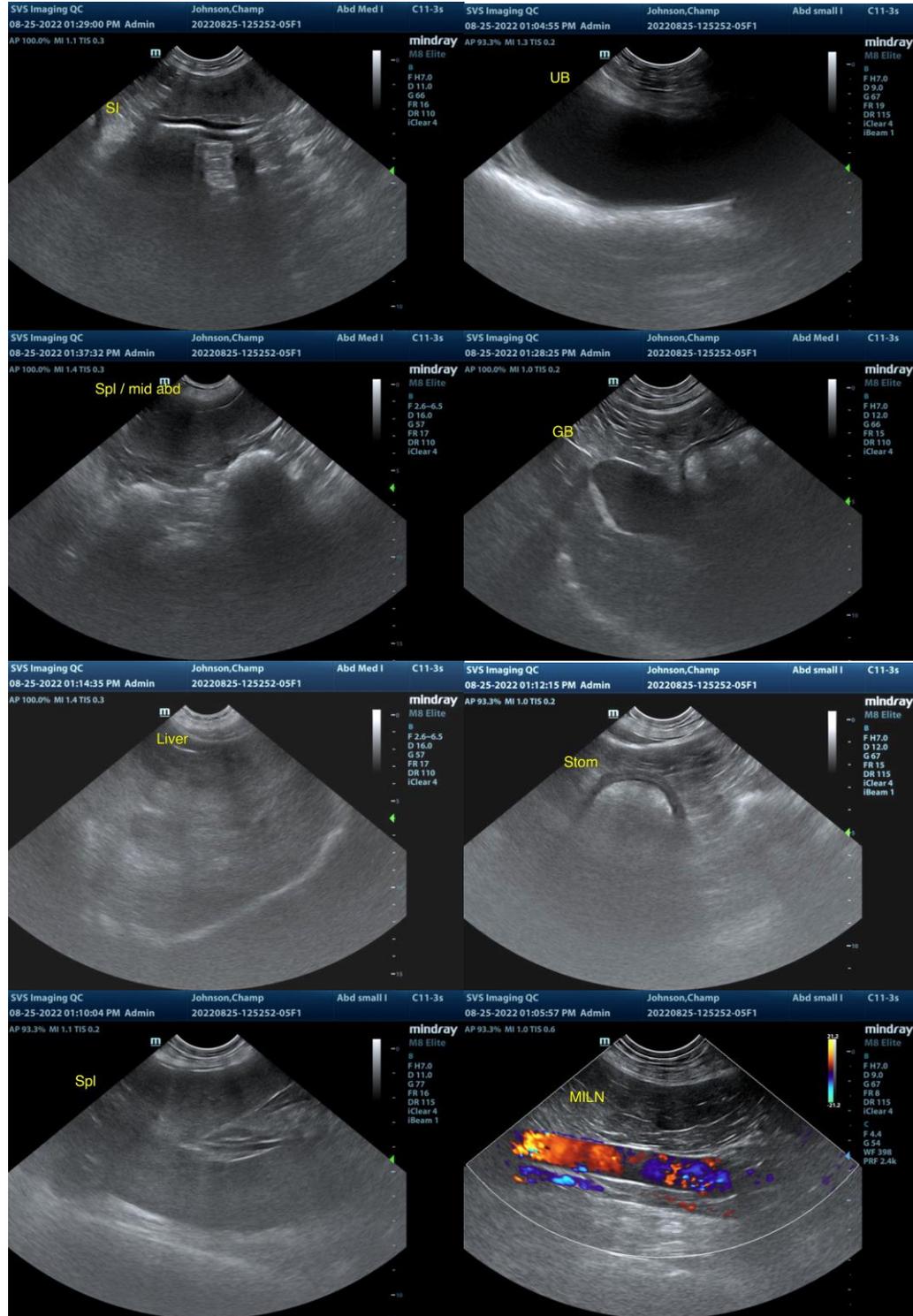
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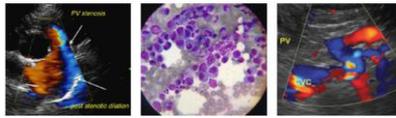
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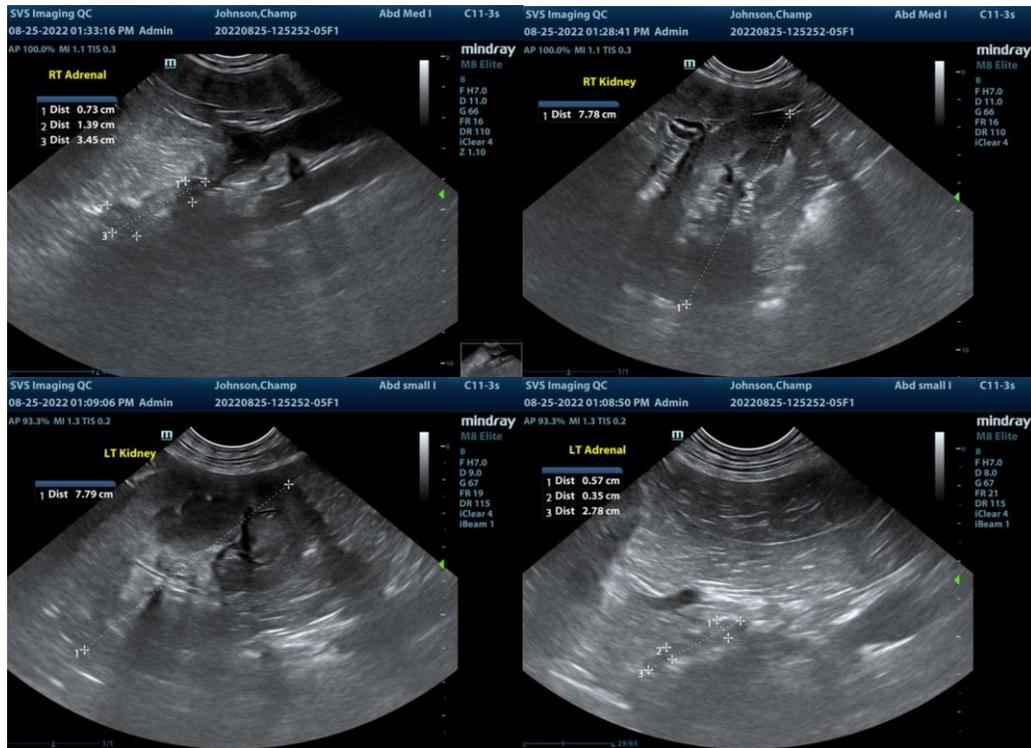
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com