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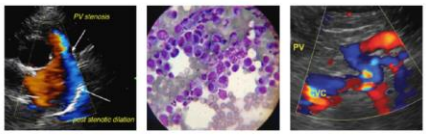
svsimagingmi@gmail.com



SonoPath
Clinical Sonography & Telecytology
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1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Mac Klebba

SPECIES

Canine

BREED

Corgi

SEX

MN

AGE

11yr

WEIGHT

33lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Amy Mayhew LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

Union Lake Veterinary Hospital

INVOICE

11647ag

DATE

09/16/2022

PRESENTING CLINICAL SIGNS

Presented for routine exam and senior workup. Subtle increase in coughing/"clearing throat." No murmur on exam. He did recently have a bout of vomiting, diarrhea and anorexia that resolved after 24 hours.

Abnormal PE/Chem/CBC/UA Results: Radiographs showed mid abdominal loss of detail on v/d & cranioventral effect on R lateral AXR. Lab work showed low potassium and protein in his urine. Plan to do a urine prot/creat ratio on Friday as well.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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 were noted.

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 5.5 cm in length. The right kidney measured 5.3 cm in length.

The area of the aortic trifurcation was free of pathology.

The residual prostate was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.67 cm width at the caudal pole and 0.51 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 0.50 cm width at the caudal pole and 0.54 cm width at the cranial pole.

Spleen

The spleen exhibited generalized enlargement, maintained symmetrical capsule contour and a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The mid to caudal spleen appeared to be folded. A focal well demarcated non-disruptive hyperechoic nodule in the medial parenchyma adjacent to the hilus consistent with benign myelolipoma was present. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

Liver

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 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.

Gastrointestinal

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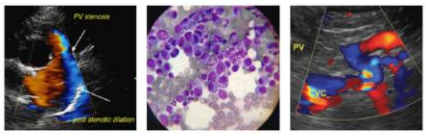

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

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 was evident.

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Age related renal changes
- Splenomegaly with splenic folding and parenchymal nodule
- Overtly normal gastrointestinal tract

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The potential mass effect on radiographs may correlate with the splenomegaly and associated splenic folding. The splenic presentation is non-specific with considerations including incidental hyperplasia, hematopoiesis, splenitis or similar with neoplastic criteria thought less likely. Assuming normal clotting status and using a 25g needle a splenic FNA is recommended for screening cytology.

Potential for resolving gastroenteritis or inflammatory bowel episode possible yet no evidence of overt GI mural pathology was noted.

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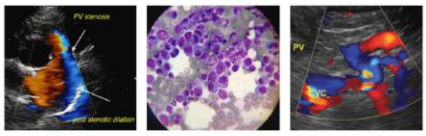

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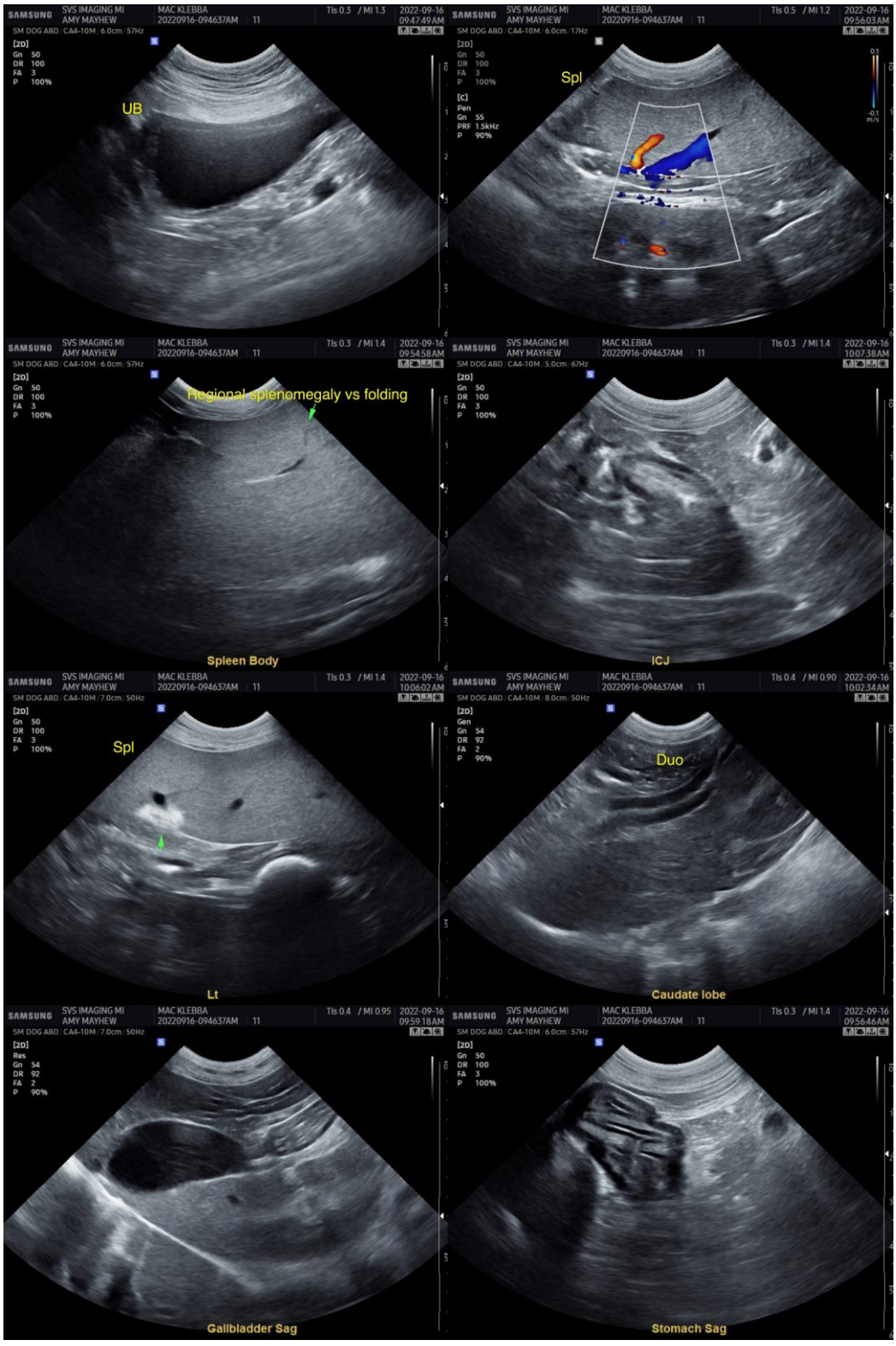

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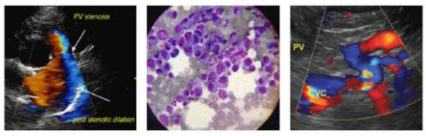

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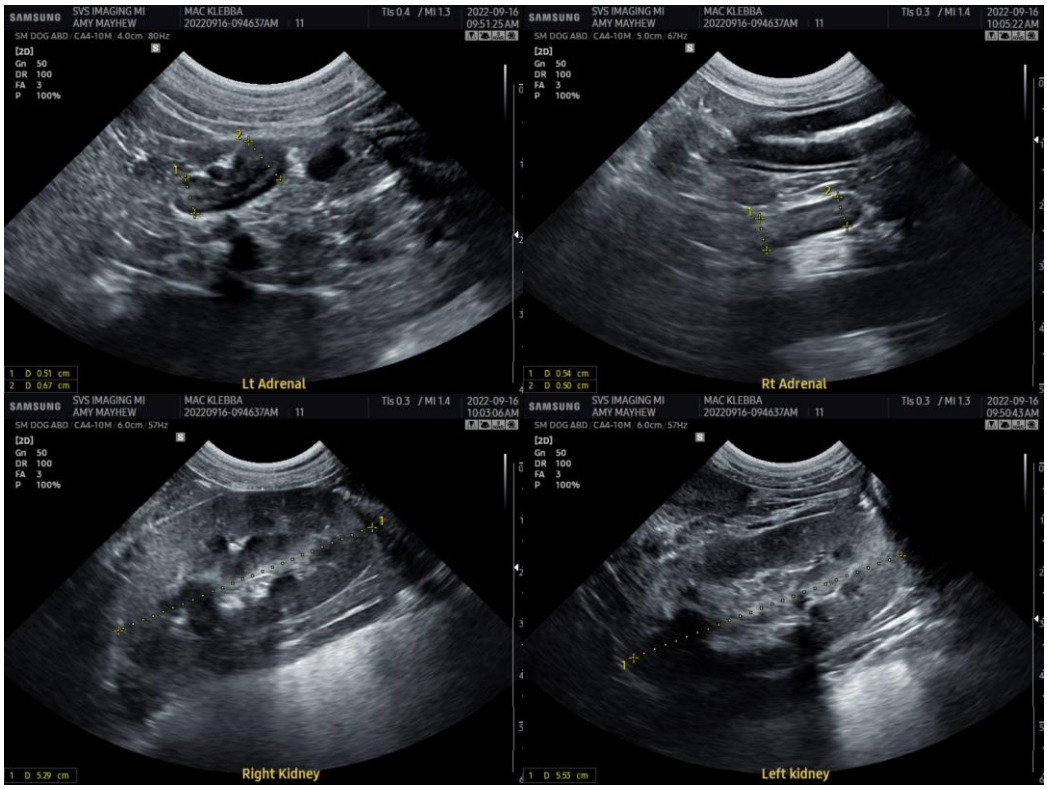

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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