



**PATIENT**

Madison Chandani

**SPECIES**

Canine

**BREED**

Cavachon

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

14.8 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Jessica Miller

**HOSPITAL NAME**

Cresskill AH

**REFERRING VET**

Dr. Khodari

**INVOICE**

20347

**DATE**

1/4/23

**PRESENTING CLINICAL SIGNS**

History: Mid abdominal mass, suspect spleen. Not clinical Grade 2-3/6 HM. Pre-op and met check. Chest rads Lungs WNL. No current meds.

Abnormal PE/Chem/CBC/UA Results: Globulin 5.8

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia was present in the right kidney. The left kidney measured 5.5 cm in length. The right kidney measured 5.0 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 2.1 cm length x 0.38 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 2.0 cm length x 0.45 cm width at the caudal pole.

**Spleen**

A mild to moderately sized mass involving the spleen was present, measuring 5.5 cm in diameter. The parenchyma of the mass was nonhomogenous and discretely nodular without areas of cavitation, resulting in mild primarily symmetrical distortion of the associated splenic capsule. The remainder of the spleen was sonographically unremarkable, exhibiting mild parenchyma heterogeneity. Essentially isoechoic echogenicity was noted between the splenic mass and adjacent splenic parenchyma. No evidence of splenic mass parenchymal escape or rupture.

**Liver**

The liver exhibited potential for mild enlargement with normal 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 with mild congealed hyperechoic debris, primarily in the cranial lumen. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**

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.

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

**SPECIES**

***Pancreas***

Canine

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.

**BREED**

Cavachon

***Free Abdomen***

No evidence of peritoneal effusion or lymphadenopathy.

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**ULTRASONOGRAPHIC FINDINGS**

**AGE**

13 Years

- Nonhomogenous splenic mass
- Mild benign hepatic parenchymal remodeling
- Mild congealed gallbladder debris (non-mucocele)
- Bilateral chronic renal changes with mild right kidney pyelectasia

**WEIGHT**

14.8 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The splenic mass is nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other).

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No evidence of intraabdominal metastasis, assuming no evidence of thoracic or cardiac metastasis. Splenectomy with gross inspection in the area of the gallbladder and liver is warranted.

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The right kidney pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

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Hepatosupportive medications may be considered if evidence of cholestasis is present.

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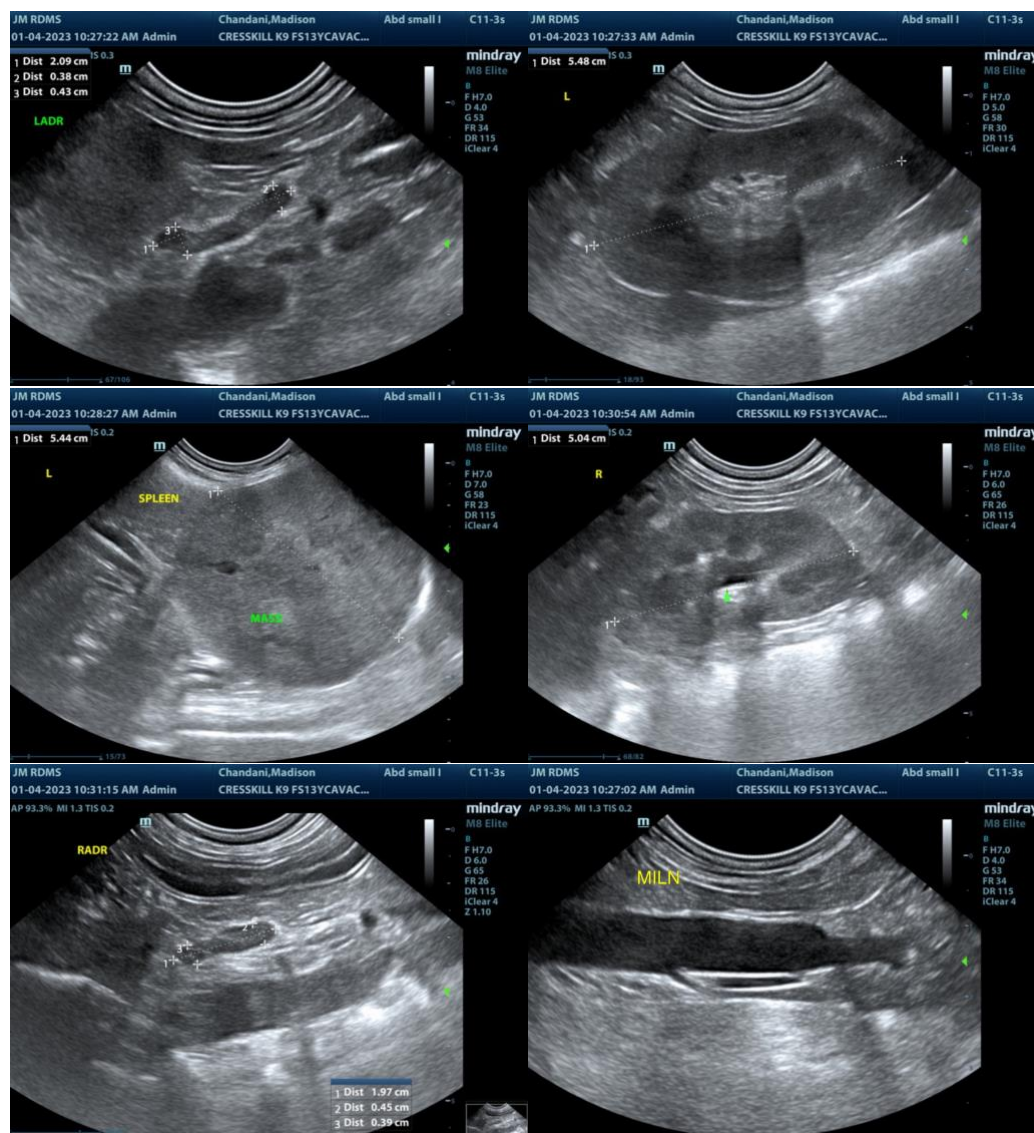
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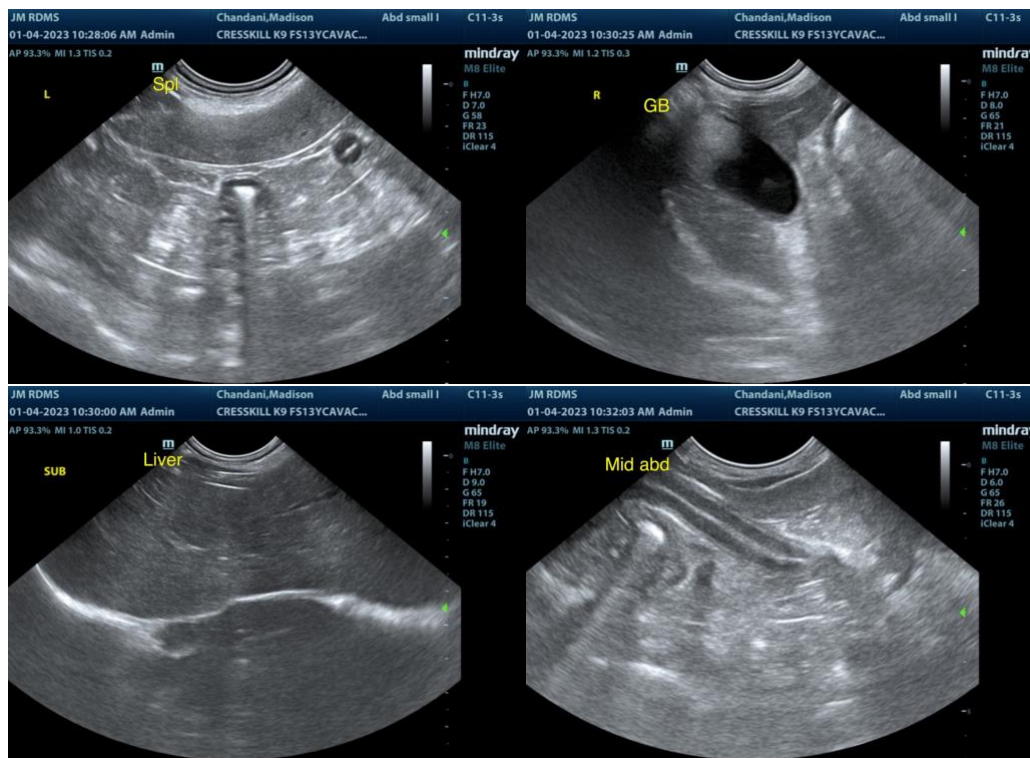
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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