

**PATIENT**

Midnight Crawford

SPECIES

Canine

BREED

Pit Bull x

SEX

Spayed Female

AGE

10 Years

WEIGHT

36 Pounds

INTERPRETED BYKathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)**IMAGING
PERFORMED BY**

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Dr. Hendricks

INVOICE

43606

DATE

6/29/23

PRESENTING CLINICAL SIGNS

Kidney values were abnormal and the urinalysis was evaluated with blood in the urine.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder is mildly distended with anechoic urine. The Bladder wall appears subjectively thickened and slightly irregular along the mucosal surface, measuring 0.58 cm in the apical region. The region of the trigone, ureteral papillae and proximal urethra appear free of any mass lesions or calculi.

The left kidney has a normal shape and size (6.33 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney has a normal shape and size (6.03 cm) with a 1.1 cm x 1.11 cm cystic structure visualized towards the caudal pole. Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size measuring 0.62 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The right adrenal gland is normal in size measuring 0.68 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

Spleen

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

Liver

The liver is subjectively normal in size, and mildly hypoechoic with smooth peripheral margins. The parenchyma is heterogenous in echotexture with subtle, indistinct focal mottling. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.

Gastrointestinal

The stomach contains minimal luminal contents. It measures at a normal thickness of 0.32 cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

IMAGING PERFORMED BY

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The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. Duodenum wall measures 0.55 cm. Jejunum wall measures 0.29 cm. Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering. Colon wall measures 0.17 cm.

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion. No lymphadenopathy present. The sublumbar lymph node is prominent but normal in size measuring 0.56 cm. The omentum is of normal echogenicity,

PRIMARY FINDINGS

- Thickened, slightly irregular urinary bladder wall – Findings are most consistent with diffuse cystitis and lack of urine distention. Recommend urinalysis and culture.
- Hypoechoic, heterogeneous liver – The significance of this is uncertain. If liver enzyme values are not elevated this is likely incidental.

SECONDARY FINDINGS

- Cystic structure visualized associated with the right kidney – Findings are most consistent with a benign renal cyst.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The kidneys appear relatively normal with no evidence of an obstructive process, pyelectasia, etc. There is a cystic structure visualized associated with the right kidney, which I suspect is an incidental finding. Unfortunately, the appearance of the kidneys does not always correlate with their function. If not already done, recommend a blood pressure, urinalysis, culture, and urine protein to creatinine ratio to establish a baseline. If no infection is present and hematuria persists, consider cystoscopy to further evaluate.



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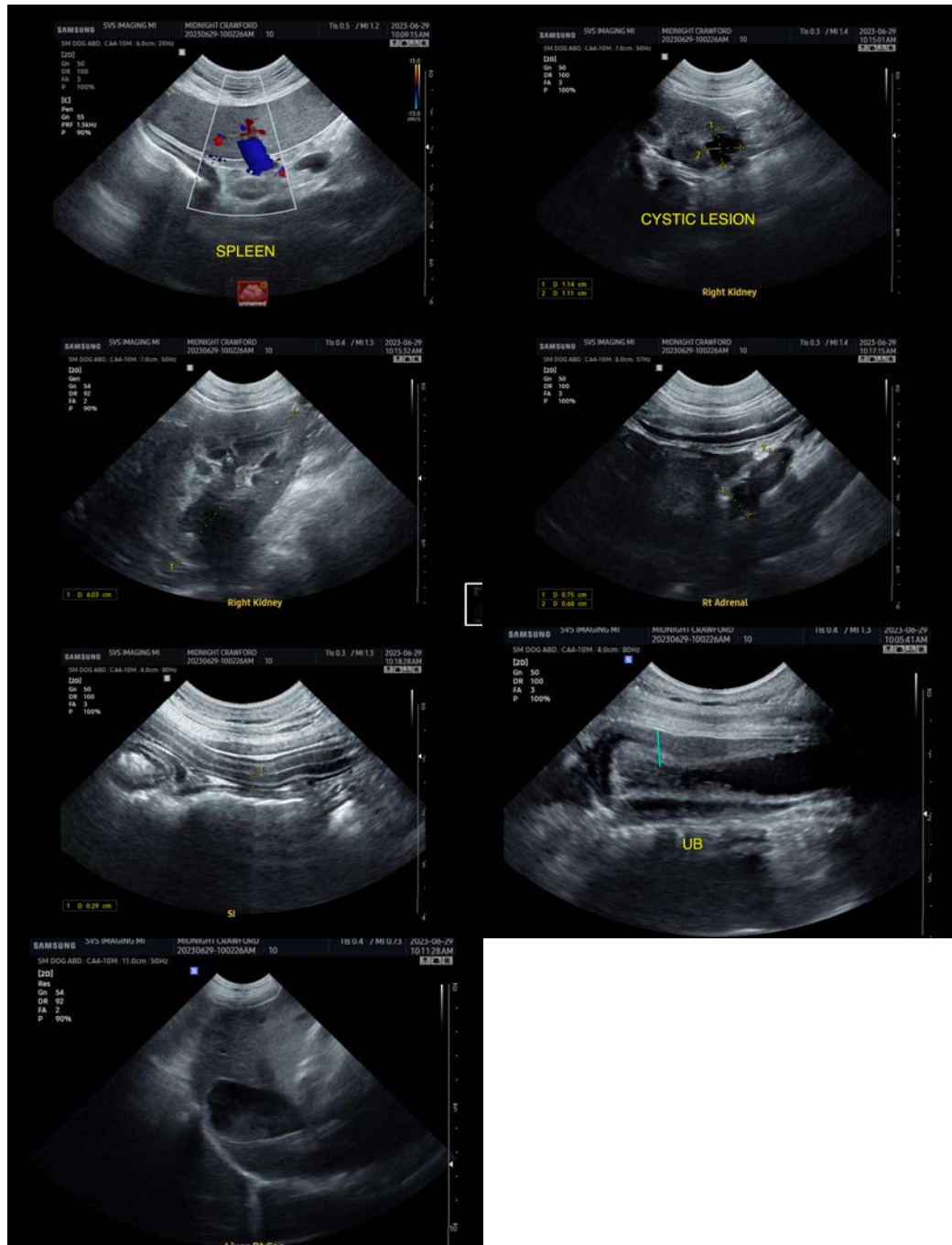
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)
info@sonopath.com