

## PATIENT

Sierra Morgan

## PRESENTING CLINICAL SIGNS

## SPECIES

Canine

## BREED

Dalmatian

## SEX

Spayed Female

sedated for scan- Abdominal x-rays: Mixed pattern of ingesta and air in small intestine normally dilated. Mostly feces and large intestine normally dilated. On right lateral view there is ventral displacement of descending colon and small intestines. On right lateral view there is a round smooth mass in mid cranial abdomen. Urinary bladder mildly distended. Stomach mildly distended with air. Spleen is not evident on left lateral view and VD view. Musculoskeletal structures are unremarkable. Thoracic x-rays: Severe diffuse interstitial pattern all fields and bilaterally. Rest of cardiac and pulmonary structures are unremarkable as are musculoskeletal structures. A: Suspect abdominal mass and likely from spleen but cannot rule out retroperitoneal mass or from Abnormal PE/Chem/CBC/UA Results: Urine culture: Enterococcus and E. coli. E. coli resistant to cephalixin. Both susceptible to amoxicillin. Chronic UTIs. Chemistry screen: Slight increased ALT and slightly increased from last year's value CBC: No significant finding Heartworm test antigen: Negative Fecal: No eggs or parasites seen Urinalysis: Increased pH. Increase protein, white blood cells and struvite crystals. Bacteria in the urine.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### AGE

8 Years

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen. Multiple areas of small dependent mineral/small calculi as well as non-obstructive areas of proximal urethral luminal mineral. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

### WEIGHT

80 Pounds

The area of the aortic trifurcation was free of pathology.

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP

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 6.8 cm. The right kidney measured 6.2 cm. Areas of non-obstructive medullary and lateral diverticuli mineral noted.

## IMAGING BY

Loetitia Saint-Jacques,  
LVT

### Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm at the cranial pole and 0.55 cm at the caudal pole. The right adrenal gland measured 1.1 cm at the cranial pole and 0.83 cm at the caudal pole.

## HOSPITAL NAME

South Reno VH

### Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted. No splenic masses or nodules.

## REFERRING VET

Dr. Schmitt

### Liver

## INVOICE

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The liver was subjectively normal in size, structure, and contour. The liver presented mild hepatic parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild, echogenic, nonmineralized

## DATE

2/8/22



## PATIENT

Sierra Morgan biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation. No hepatic masses or nodules.

## SPECIES *Gastrointestinal*

Canine 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.

## BREED

Dalmatian

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*

## SEX

Spayed Female

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.

## AGE

8 Years

## *Free Abdomen*

No omental masses, lymphadenopathy or effusion. Subjective areas of increased omental fat to potential small intraabdominal lipomas noted.

## ULTRASONOGRAPHIC FINDINGS

## WEIGHT

80 Pounds

- Mild dependent urinary bladder mineral/small calculi, non-obstructive proximal urethral mineral/small calculi
- Bilateral mild renal medullary mineralization
- Mild hepatic parenchymal remodeling – subjectively benign.
- Sonographically unremarkable spleen – no masses.
- Possible small intraabdominal lipomas – incidental.

## INTERPRETED BY

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## IMAGING BY

Loetitia Saint-Jacques,  
LVT

Overall, no overt evidence of significant visceral pathology, including no evidence of intraabdominal neoplasia/masses. The urinary bladder and non-obstructive proximal urethral mineral to small calculi may potentially be secondary to chronic urinary infection. This patient may also be passing small amounts of mineral from the kidneys into the urinary bladder. Higher dose, shorter regiment antibiotic protocol based on urine culture and sensitivity results may approve more effective at eliminating resistant infection.

## HOSPITAL NAME

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Potential for low-grade inflammatory hepatopathy with minor parenchymal remodeling, given the ALT elevation, possible.

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**PATIENT**

Sierra Morgan

**SPECIES**

Canine

**BREED**

Dalmatian

**SEX**

Spayed Female

**AGE**

8 Years

**WEIGHT**

80 Pounds

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**IMAGING BY**

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**HOSPITAL NAME**

South Reno VH

**REFERRING VET**

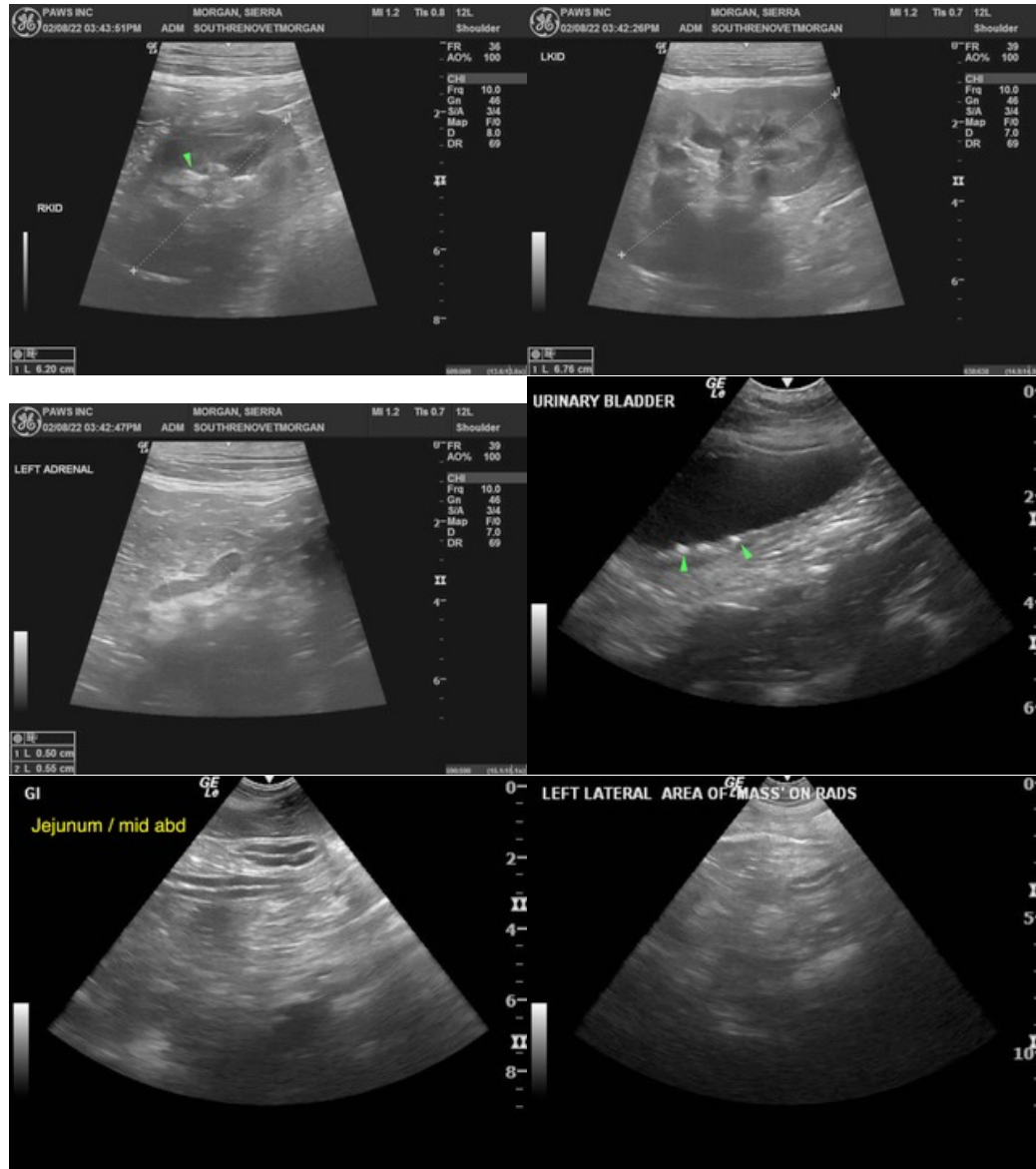
Dr. Schmitt

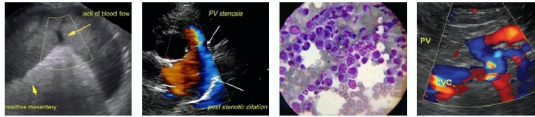
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**PATIENT**

Sierra Morgan

**SPECIES**

Canine

**BREED**

Dalmatian

**SEX**

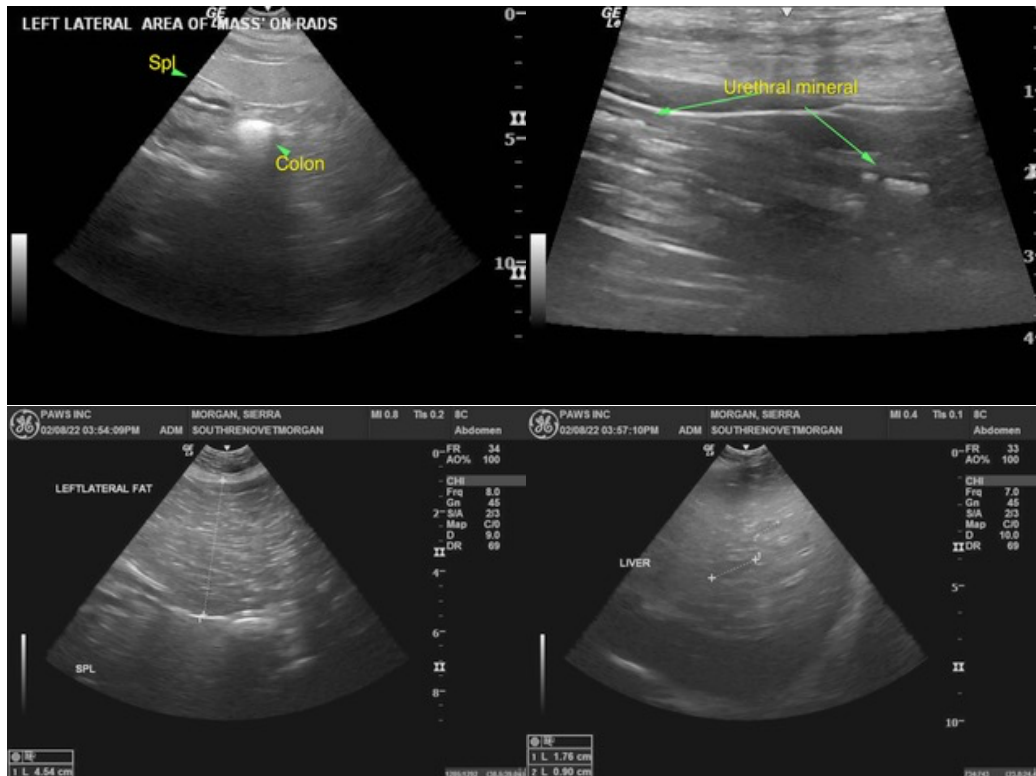
Spayed Female

**AGE**

8 Years

**WEIGHT**

80 Pounds



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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.

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