
**PATIENT**

Ryker Sheppard

**PRESENTING CLINICAL SIGNS**
**SPECIES**

Canine

ace/torb sedation- Hospital Name: Marysville Vet Hospital Patient's name: Ryker Sheppard  
 Owner's first and last name: Cheryl Species: Canine Gender (altered?): MN Age: 11 Yrs 11 mos  
 Weight in #: 76.4 (2021) Breed: Belgian Malinois Chief Concern/Provisional Dx: pu/pd History:  
 Ryker has an increase in water intake and urinations. Physical : Unremarkable exam findings  
 Senior Screen : Phosphorus 2.2 mg/dl, Potassium 3.8 mmol/L, low urine sp gravity 1.010, 1.008,  
 1.006 Radiographs: unremarkable Concerns: evaluation of kidneys and adrenal glands

**BREED**

Belgian Malinois

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Urinary System**
**SEX**

Neutered Male

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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 were noted.

**AGE**

11 Years

The residual prostate exhibited mild prominent size, yet maintained symmetrical capsule contour and homogeneous parenchyma without evidence of parenchymal mineralization. The residual prostate measured 2.0 cm in diameter.

**WEIGHT**

76.4 Pounds

Normal size and margination was 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 right kidney measured 6.5 cm. The left kidney measured 7.3 cm.

**INTERPRETED BY**

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

**Adrenal Glands**

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. No evidence of hyperplasia or tumors. The left adrenal gland measured 0.70 cm at the cranial pole and 0.72 cm at the caudal pole. The right adrenal gland measured 0.91 cm at the cranial pole and 0.86 cm at the caudal pole.

**IMAGING BY**

 Loetitia Saint-Jacques,  
 LVT

**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.

**HOSPITAL NAME**

Marysville Veterinary

**Liver**

The liver exhibited potential for mild subnormal size. 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.

**REFERRING VET**

Dr. Grace Berg

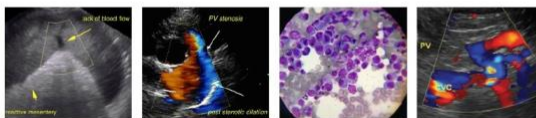
**Gastrointestinal**
**INVOICE**

37828

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.

**DATE**

5/20/22



## PATIENT

Ryker Sheppard

## SPECIES

Canine

## BREED

Belgian Malinois

## SEX

Neutered Male

## AGE

11 Years

## WEIGHT

76.4 Pounds

## INTERPRETED BY

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

## IMAGING BY

Loetitia Saint-Jacques,  
LVT

## HOSPITAL NAME

Marysville Veterinary

## REFERRING VET

Dr. Grace Berg

## INVOICE

37828

## DATE

5/20/22

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

Focal to intermittent medial iliac lymph nodes were present. These lymph nodes were not consistent with inflammatory or neoplastic criteria, and likely incidental.

## ULTRASONOGRAPHIC FINDINGS

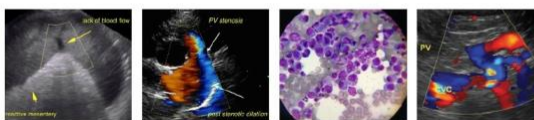
- Mildly prominent yet symmetrical to homogeneous residual prostate – likely patient variant potentially owing to later in life neuter. No evidence of inflammatory or neoplastic residual prostate criteria.
- Bilateral age related kidneys
- Structurally normal liver exhibiting potential for mild subnormal overall size.
- Normal bilateral adrenal glands.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no evidence of significant abdominal visceral pathology. The potential for mild subnormal liver size is non-specific, yet not considered overtly pathological and likely a patient variant. Hepatic function is likely normal, assuming normal BUN, cholesterol, glucose, and albumin levels.

The possibility of early renal insufficiency could be considered. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.





**PATIENT**

Ryker Sheppard

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

Neutered Male

**AGE**

11 Years

**WEIGHT**

76.4 Pounds

**INTERPRETED BY**

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

**IMAGING BY**

Loetitia Saint-Jacques,  
LVT

**HOSPITAL NAME**

Marysville Veterinary

**REFERRING VET**

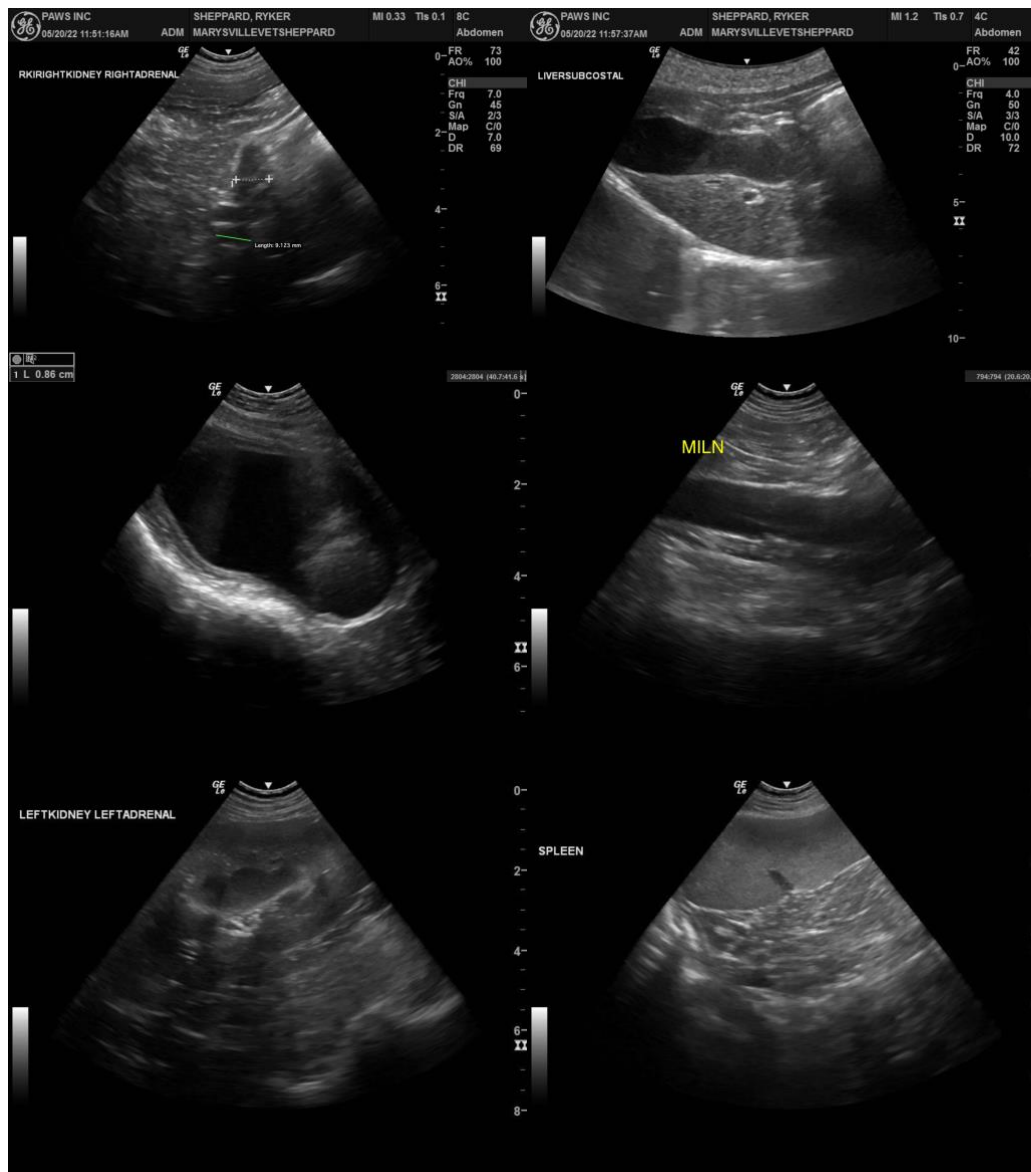
Dr. Grace Berg

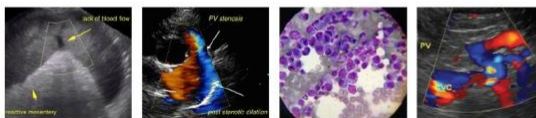
**INVOICE**

37828

**DATE**

5/20/22





**PATIENT**

Ryker Sheppard

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

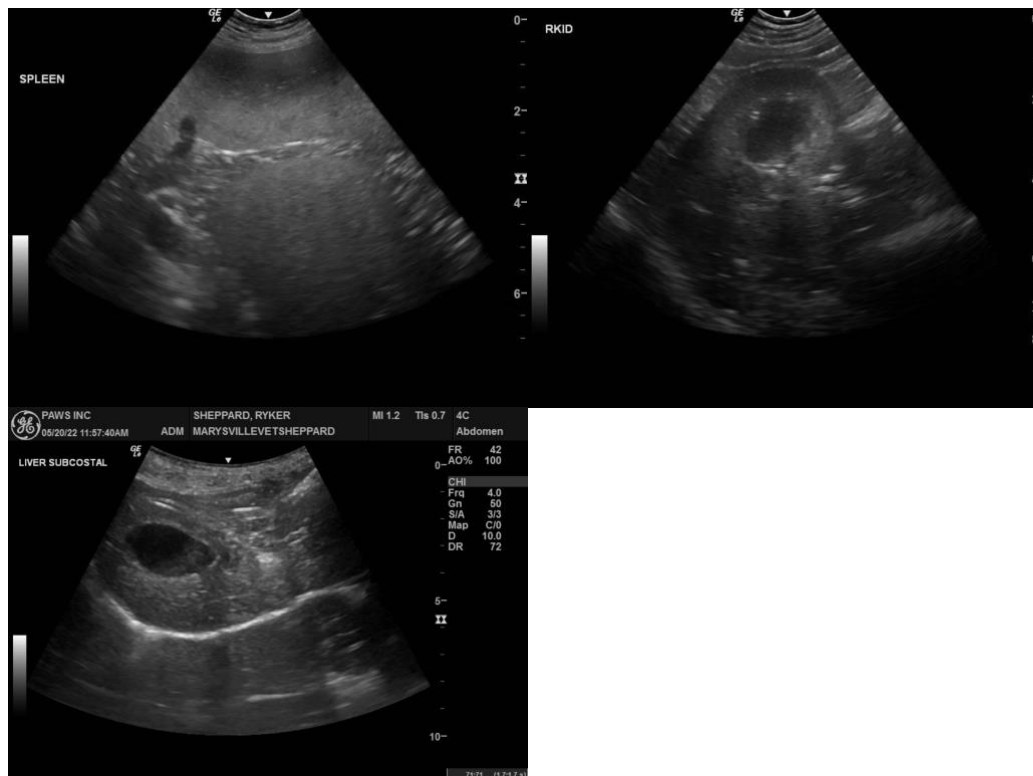
Neutered Male

**AGE**

11 Years

**WEIGHT**

76.4 Pounds



**INTERPRETED BY**

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

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.

**IMAGING BY**

Loetitia Saint-Jacques,  
LVT

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

**HOSPITAL NAME**

Marysville Veterinary

**REFERRING VET**

Dr. Grace Berg

**INVOICE**

37828

**DATE**

5/20/22