



## PATIENT

Onyx Roberts

## SPECIES

Canine

## BREED

Border Collie

## SEX

Neutered male

## AGE

10 years

## WEIGHT

71 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Chrissy Krell, DVM

## HOSPITAL NAME

Animal Care Center

## REFERRING VET

Dr. Krell

## INVOICE

69639

## DATE

12/29/25

## PRESENTING CLINICAL SIGNS

History: Onyx presented for lethargy, diarrhea, not eating well since Friday. Normal until Friday morning (Christmas Day). Reluctant to go outside, difficulty standing, lethargic. Decreased appetite: licked gravy but refused food Friday, ate small amounts Saturday and yesterday. No vomiting, Brief choking episode Friday morning attributed to collar, resolved when collar removed. No table scraps given, feeds beef dry food and Beneful wet food with no recent diet changes.

Abnormal PE/Chem/CBC/UA Results: PE: Lethargic, pale icteric MM, skin, sclera. Passing yellow and bloody diarrhea, BCS 8/9, HR 160 bpm, No murmur, weak. - CBC: HCT 14.2%, RBC 2.29, HGB 5.5, MCHC 38.6, RDW 9.9, WBC 42.44, Neutrophils 35.96, Monocytes 5.23, PDW 23.5, MPV15.9 - Chem: BUN 34, Potassium 3.2, ALP 475, Bili 2.6, Amylase 2500, Lipase 5,285, Panc Lipase 1,556 - 4dx: negative all - Manual PCV/TP: 19%, 8.1g/dL -TXR - unremarkable. - AXR - no obvious changes noted \*\*Bloodwork in October 2025 was all normal.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 7.05 cm. The right kidney measured 7.3 cm with moderate hydronephrosis. Hydronephrosis measured 4.5 x 3.0 cm.

An ectopic ureter was noted in this patient. This is likely an idiopathic finding and appears to enter into the preprostatic urethra. This is presumed to be the right ureter and measures 0.3 cm.

### Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 3.22 x 0.66 cm at the cranial pole and 0.61 cm at the caudal pole. The right adrenal gland measured 2.57 x 1.1 cm at the cranial pole and 0.64 cm at the caudal pole.

### Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of



## PATIENT

Onyx Roberts

congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

## SPECIES

Canine

### *Liver*

## BREED

Border Collie

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

## SEX

Neutered male

### *Gastrointestinal*

## AGE

10 years

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## WEIGHT

71 lbs

### *Pancreas*

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

## IMAGING PERFORMED BY

Chrissy Krell, DVM

## ULTRASONOGRAPHIC FINDINGS

Incidental right hydronephrosis/ectopic and hydroureter with termination in the preprostatic urethra.

## HOSPITAL NAME

Animal Care Center

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## REFERRING VET

Dr. Krell

Some level of primary renal dysplasia of the right kidney is likely; however, this is likely an idiopathic finding and unrelated to the current clinical presentation other than urinary work-up is warranted if not already performed to assess for any evidence of concurrent UTI. Correction of the ectopic ureter is indicated; however, causes of anemia such as hemolytic disease, infectious or immune mediated should be considered. CBC path review with bone marrow aspirate is indicated.

## INVOICE

69639

## DATE

12/29/25



**PATIENT**

Onyx Roberts

**SPECIES**

Canine

**BREED**

Border Collie

**SEX**

Neutered male

**AGE**

10 years

**WEIGHT**

71 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Chrissy Krell, DVM

**HOSPITAL NAME**

Animal Care Center

**REFERRING VET**

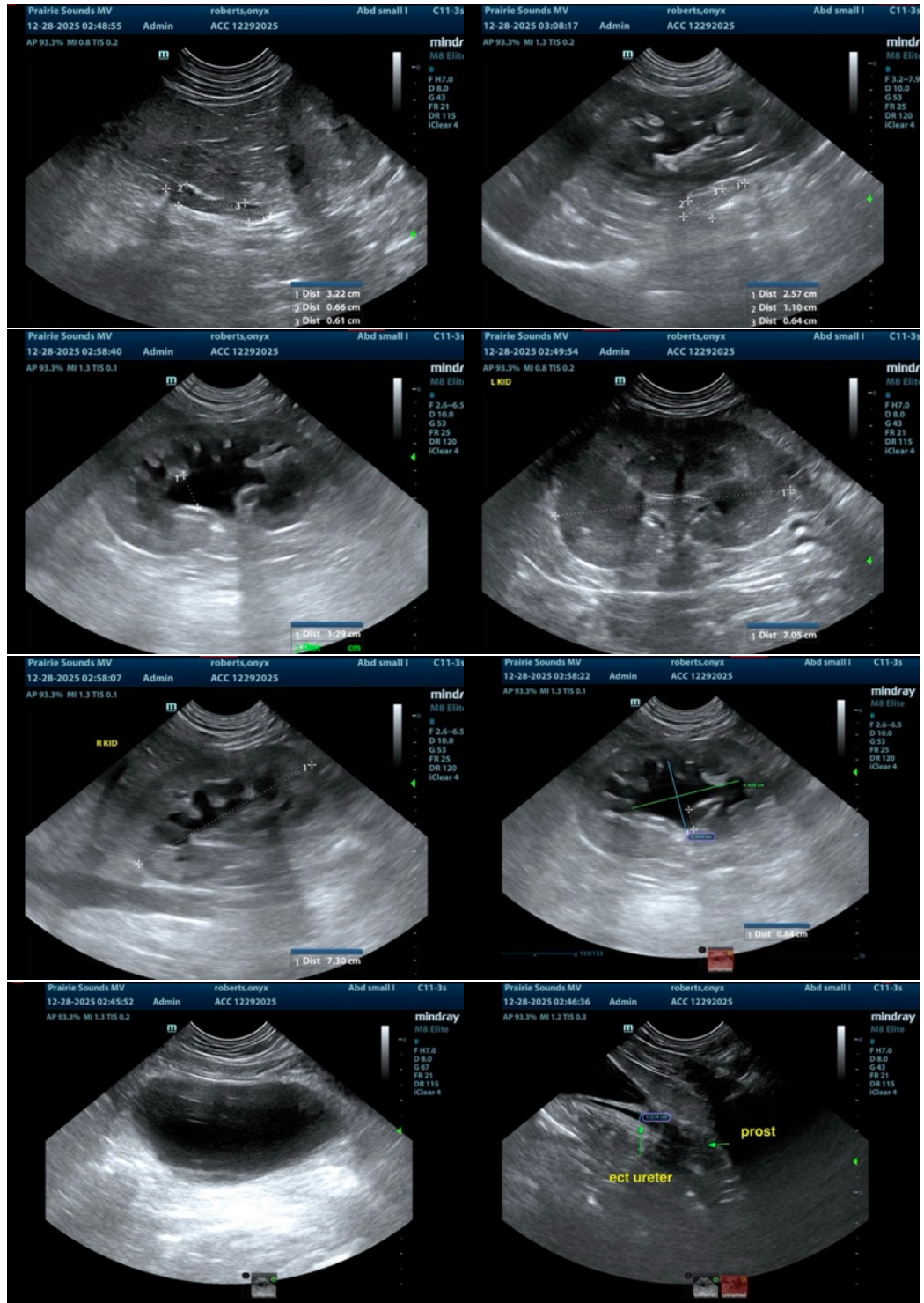
Dr. Krell

**INVOICE**

69639

**DATE**

12/29/25





## PATIENT

Onyx Roberts

## SPECIES

Canine

## BREED

Border Collie

## SEX

Neutered male

## AGE

10 years

## WEIGHT

71 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Chrissy Krell, DVM

## HOSPITAL NAME

Animal Care Center

## REFERRING VET

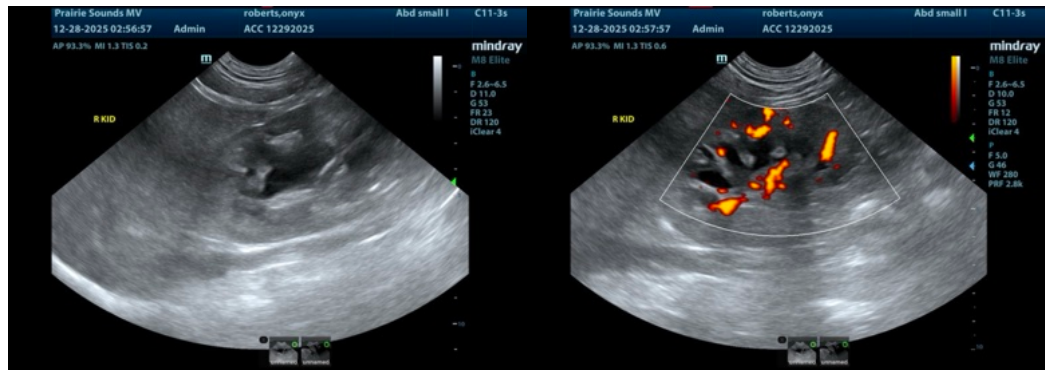
Dr. Krell

## INVOICE

69639

## DATE

12/29/25



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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)