



**PATIENT**

Cody Mokray

**SPECIES**

Canine

**BREED**

Shetland Sheepdog

**SEX**

Neutered Male

**AGE**

9 Years

**WEIGHT**

38.3 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Westwood Regional

**REFERRING VET**

Dr. George Cattiny

**INVOICE**

42477

**DATE**

10/28/22

**PRESENTING CLINICAL SIGNS**

Vomiting, anorexic, diarrhea. Elevated renal values, pancreatitis. History of grade II Sarcoma removed from inguinal area. Current tx: IVFs, Unasyn, famotidine, metronidazole.

Abnormal PE/Chem/CBC/UA Results: CBC: WNL. Chem on 10/2/2022: BUN 72, creat. 1.9. 10/28/2022: BUN 71, creat. 2.4, SnapCPL= abnormal. U/A, urine C & S pending.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder** was empty at the time of the sonogram. Minor wall thickening present. Minor micropolypoid changes noted.

The region of the prostate revealed a large echogenic cyst measuring 3.4 cm x 4.6 cm. The prostate itself measured 4.4 cm in width. Approximately 70% of the prostatic parenchyma was occupied by the cyst. The cystic portion was non-vascular. However, there was some vascularity to the remaining parenchyma.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. The right kidney measured 6.22 cm with trace pyelectasia noted. The left kidney measured 6.1 cm with slight pyelectasia noted.

**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 right adrenal gland measured 2.28 cm x 0.43 cm at the caudal pole and 0.65 cm at the cranial pole. The left adrenal gland measured 2.5 cm x 0.59 cm at the caudal pole and 0.67 cm at the cranial 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 congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.



**PATIENT**

**Gastrointestinal**

Cody Mokray

The **pylorus** revealed mild hypertrophied muscularis with empty lumen. No loss of mural detail. The small intestine and colon were unremarkable.

**SPECIES**

**Pancreas**

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

**BREED**

Shetland Sheepdog

**SEX**

Neutered Male

- Prostatic cyst or abscess
- Minor gastritis/low-grade pancreatitis
- Moderate degenerative renal changes, yet not end stage
- Age related hepatic changes

**AGE**

9 Years

**WEIGHT**

38.3 Pounds

**ULTRASONOGRAPHIC FINDINGS**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

If this patient was neutered late, this may be residual from prior prostatic pathology. No obvious evidence of neoplasia. However, given a neutered male presenting with residual prostatic tissue in addition to the cyst or abscess, I cannot rule out carcinoma in this case. Recommend stabilization of the azotemia with ultrasound guided drainage of the cyst, and if accessible, FNA of the residual prostatic parenchyma. Culture and sensitivity warranted of the cystic material. GI protectants and treatment for pancreatitis warranted in the meantime. Underlying infection is likely playing a role in the azotemia.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Westwood Regional

**REFERRING VET**

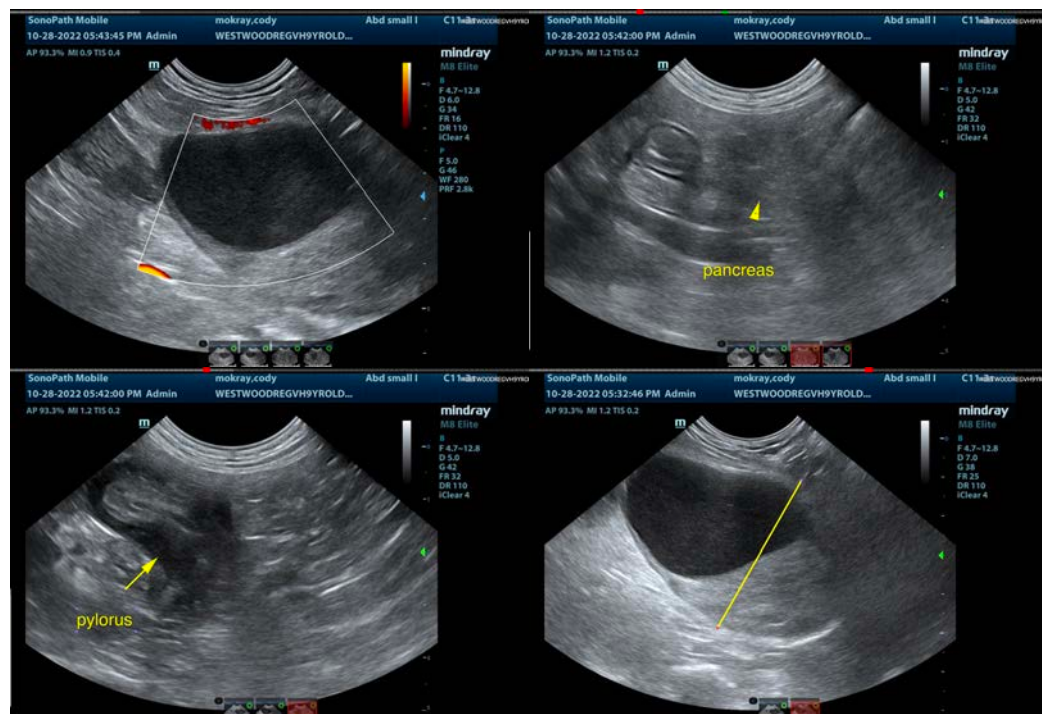
Dr. George Cattiny

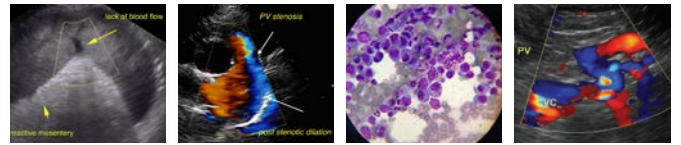
**INVOICE**

42477

**DATE**

10/28/22





**PATIENT**

Cody Mokray

**SPECIES**

Canine

**BREED**

Shetland Sheepdog

**SEX**

Neutered Male

**AGE**

9 Years

**WEIGHT**

38.3 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

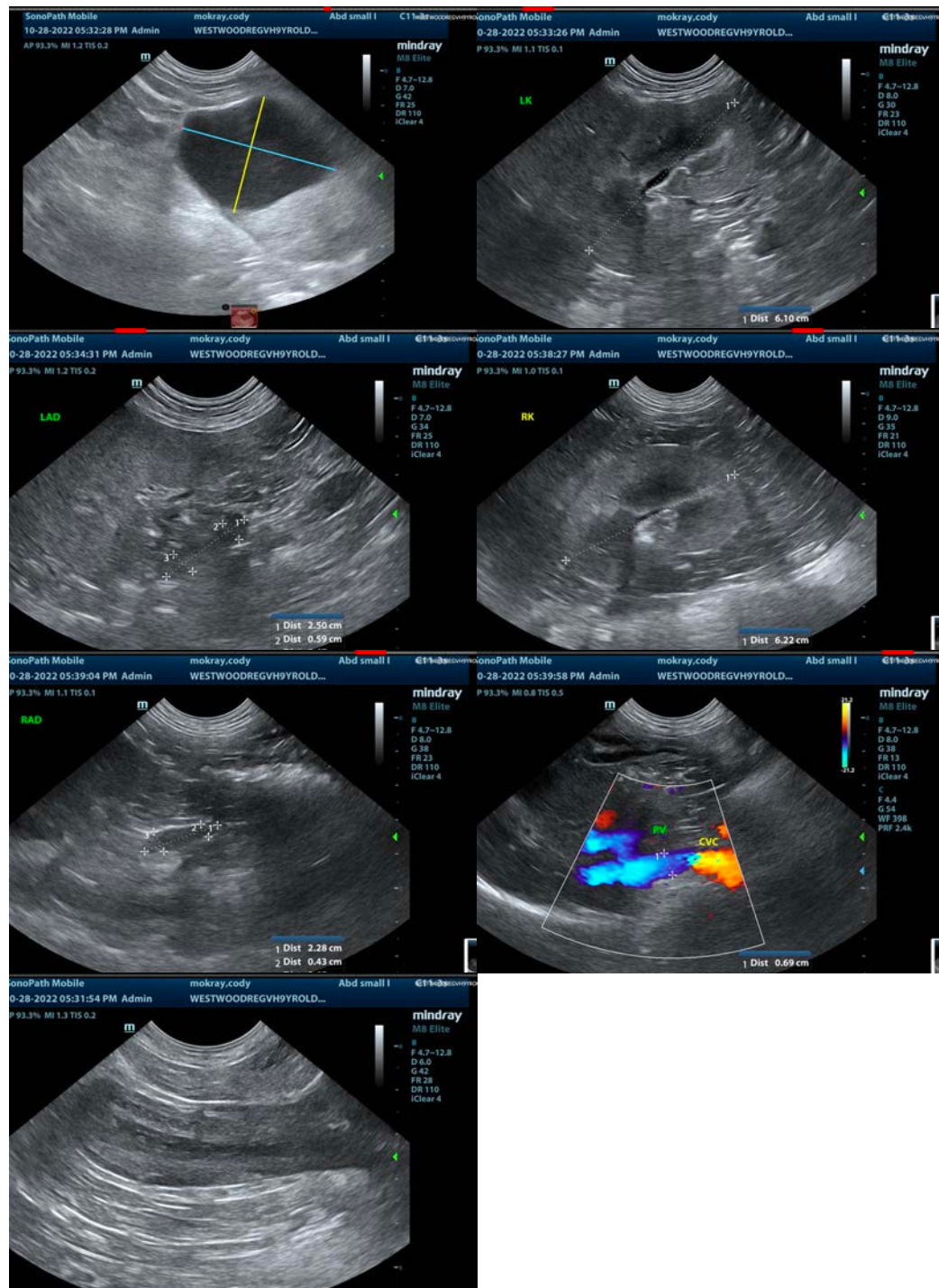
Kelly Vazquez

**HOSPITAL NAME**

Westwood Regional

**REFERRING VET**

Dr. George Cattiny



**INVOICE**

42477

**DATE**

10/28/22



**PATIENT**

Cody Mokray

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.

**SPECIES**

Canine

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, Cert. IVUSS, CEO of SonoPath.com

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

**BREED**

Shetland Sheepdog

**SEX**

Neutered Male

**AGE**

9 Years

**WEIGHT**

38.3 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Westwood Regional

**REFERRING VET**

Dr. George Cattiny

**INVOICE**

42477

**DATE**

10/28/22