



**PATIENT**

Sammy Hermanutz

**SPECIES**

Canine

**BREED**

Pembroke Welsh Corgi

**SEX**

Neutered male

**AGE**

10 years

**WEIGHT**

14 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Biederbeck

**HOSPITAL NAME**

Lomsnes VH

**REFERRING VET**

Dr. Biederbeck

**INVOICE**

31694

**DATE**

7/14/22

**PRESENTING CLINICAL SIGNS**

Losing weight, renal failure found on senior labwork, mildly improving on renal diet/avanti kidney complete.

Abnormal PE/Chem/CBC/UA Results: SDMA 24, was 25 Jun22. Creat 2.3, was 3.0, BUN 41, was 67. Remainder of chem was normal as well as CBC. USG 1.011, no proteinuria

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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 polycystic cortical changes with loss of corticomedullary definition and echogenic remodeling. This is consistent with interstitial nephrosis. The regenerative cyst may be secondary to degenerative changes. The right kidney measured 3.0 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 0.6 cm. The right adrenal gland measured 0.5 cm.

**Spleen**

The **spleen** revealed a focal, hypoechoic 1.0 cm nodule that was mildly disruptive at the mid body with heterogenous parenchymal changes.

**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 was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

**Gastrointestinal**

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.



**PATIENT**

**Pancreas**

Sammy Hermanutz

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.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

Moderate degenerative renal changes, subjectively near end stage with degenerative cortices and regenerative cystic changes, non-specific.

Pembroke Welsh Corgi

Primary renal dysplasia with secondary degenerative changes possible.

**SEX**

Splenic nodule, likely hyperplasia with a mild potential for underlying round cell neoplasia.

Neutered male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

FNA of the spleen is indicated. 72-hour IV fluid protocol, urine culture if any inflammatory sediment is present and blood pressure measurements are indicated. The prognosis is guarded.

10 years

**WEIGHT**

14 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Biederbeck

**HOSPITAL NAME**

Lomsnes VH

**REFERRING VET**

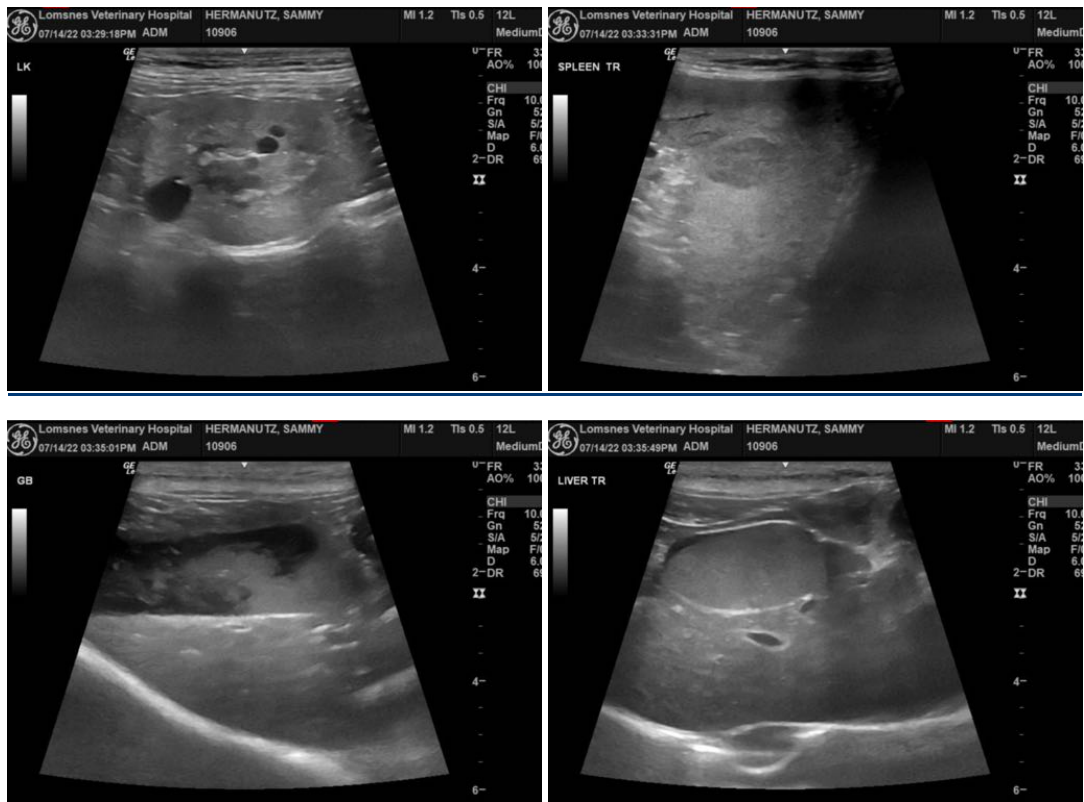
Dr. Biederbeck

**INVOICE**

31694

**DATE**

7/14/22





**PATIENT**

Sammy Hermanutz

**SPECIES**

Canine

**BREED**

Pembroke Welsh Corgi

**SEX**

Neutered male

**AGE**

10 years

**WEIGHT**

14 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Biederbeck

**HOSPITAL NAME**

Lomsnes VH

**REFERRING VET**

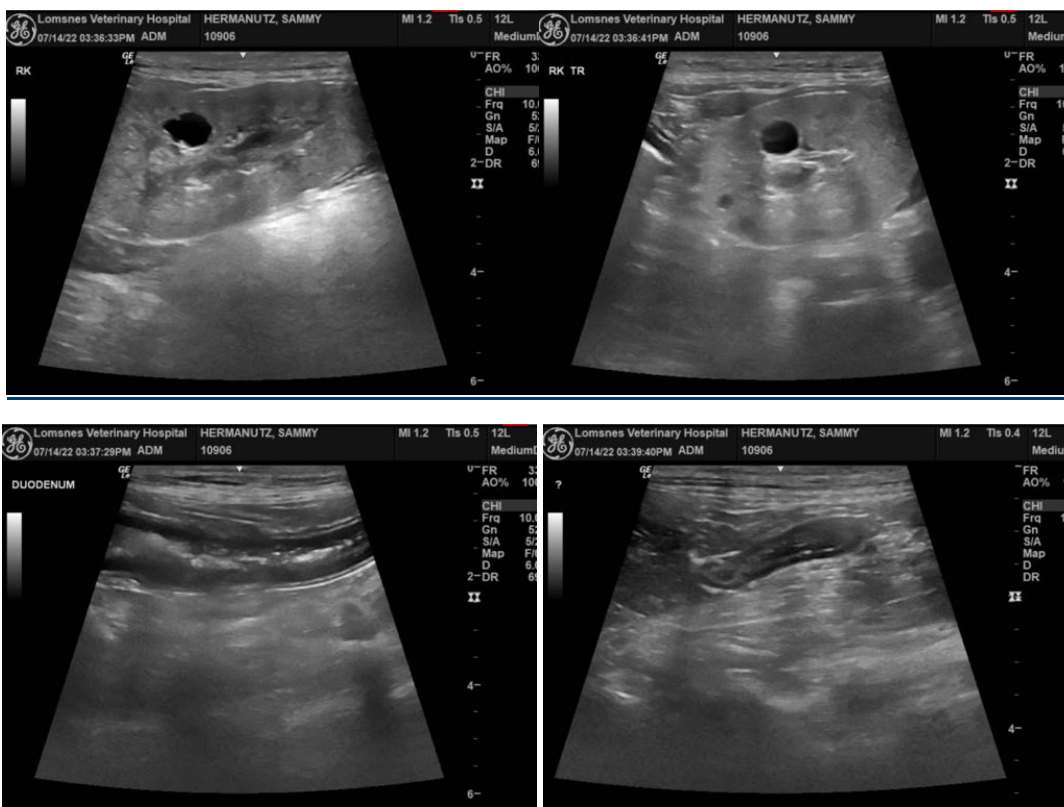
Dr. Biederbeck

**INVOICE**

31694

**DATE**

7/14/22



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, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com