



**PATIENT**

Levi Oeder

**PRESENTING CLINICAL SIGNS**

History: Hx of arthritis  
Abnormal PE/Chem/CBC/UA Results: Elevated Kidney values, proteinuria, mild elevation of ALP value.

**SPECIES**

Canine

**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. 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.

**BREED**

Australian Shepherd  
Mix

The left **kidney** is significantly dystrophic and subnormal in size measuring 2.5 cm. Cortical infarcts, remodeling and active pericapsular inflammatory pattern was noted. The right kidney presented similar changes measuring 4.68 cm with cortical remodeling, cysts and mineralization. Complete lack of corticomedullary definition was noted in both kidneys.

**SEX**

Neutered male

**AGE**

8 years

**Adrenal Glands**

The **adrenal glands** were not visualized.

**WEIGHT**

51.9 lbs

**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 was noted.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Buss

**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.

**HOSPITAL NAME**

Kings VH

**REFERRING VET**

Dr. Buss

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**Gastrointestinal**

A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool

**DATE**

6/16/22



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consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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**SPECIES**

**Pancreas**

Canine

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.

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Mix

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Chronic subjectively near end stage degenerative renal disease with infarcts and interstitial nephrosis pattern and dystrophy.

Neutered male

**AGE**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

8 years

Urine culture and sensitivity, 72 hour IV fluid protocol is recommended to correct azotemia and blood pressure measurements are recommended. The long term viability of the kidneys is of concern.

**WEIGHT**

51.9 lbs

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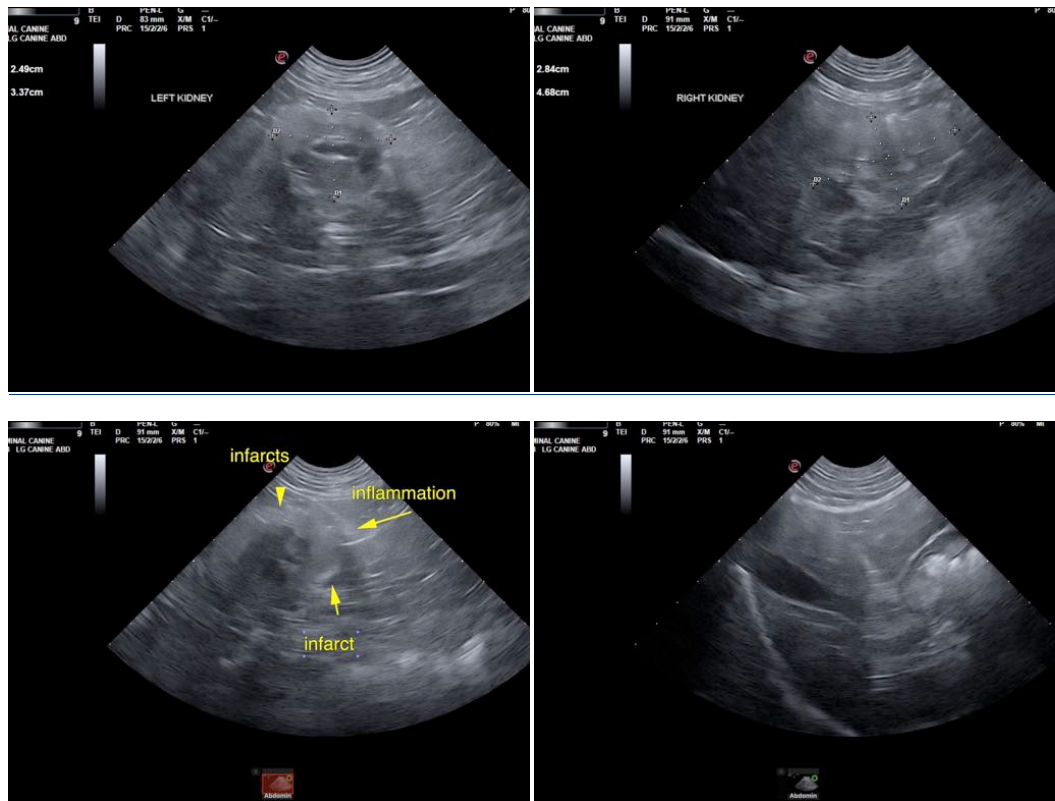
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**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.

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Australian Shepherd  
Mix

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**  
info@SonoPath.com

**SEX**

Neutered male

**AGE**

8 years

**WEIGHT**

51.9 lbs

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