



**PATIENT**

Rocky Davey

**PRESENTING CLINICAL SIGNS**

History: Pre dental blood work very high renal enzymes  
Abnormal PE/Chem/CBC/UA Results: Severely elevated BUN and Creatinine and USG 1008

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Cavalier Cross

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

**SEX**

Neutered male

The **kidneys** revealed moderate to subjectively end stage interstitial nephrosis pattern with cortical infarcts, remodeling, corticomedullary mineralization and pyelectasia. There was loss of corticomedullary definition. Cortical cysts were noted in the kidneys. The left kidney measured 4.7 cm. The left ureter was slightly dilated at the ureteral papilla.

**AGE**

2 years

**Adrenal Glands**

**WEIGHT**

15 kg

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 0.36 cm. The left adrenal gland measured 0.42 cm at the cranial pole and 0.45 cm at the caudal pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

**IMAGING PERFORMED BY**

Dr. Barthelemy

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.

**HOSPITAL NAME**

Cambrian AC

**Liver**

**REFERRING VET**

Dr. Sharma

The **liver** was structurally unremarkable with uniform parenchyma. The gallbladder revealed excessive debris with progressive shadowing and sand. Minor gallbladder wall echogenicity was noted.

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**Gastrointestinal**

The **stomach** revealed a minor amount of fluid accumulation. Echogenic mucosal thickening and remodeling was noted. The small intestines and colon were unremarkable.

**DATE**

8/4/22



**PATIENT**

**Pancreas**

Rocky Davey

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**

End stage, degenerative renal changes. Interstitial nephrosis, infarcts, remodeling and cortical cysts.

Cavalier Cross

Minor gallbladder sand.

**SEX**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Neutered male

Slight dilated left ureter likely owing to some level of primary renal dysplasia is suspected with secondary degenerative changes. However, chronic infection such as Leptospirosis can also be playing a role. Renal biopsies are necessary. Long term prognosis is poor. I do not recommend anesthesia in this patient.

**AGE**

2 years

**WEIGHT**

15 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUS

**IMAGING PERFORMED BY**

Dr. Barthelemy

**HOSPITAL NAME**

Cambrian AC

**REFERRING VET**

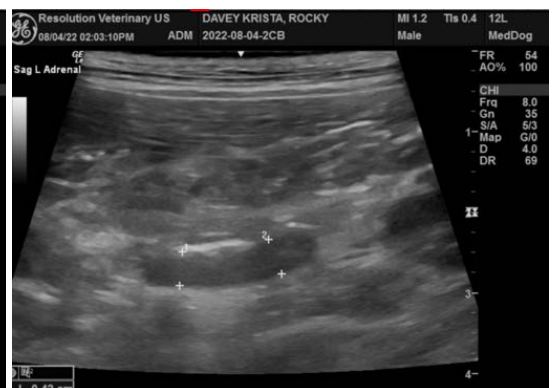
Dr. Sharma

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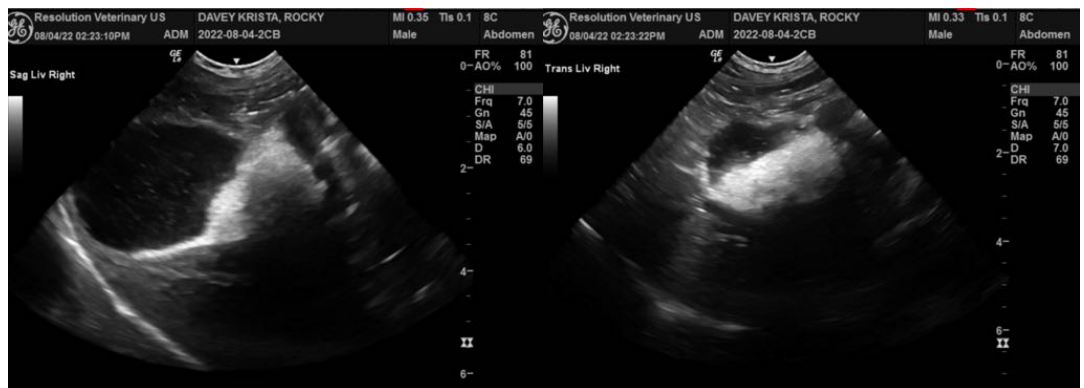
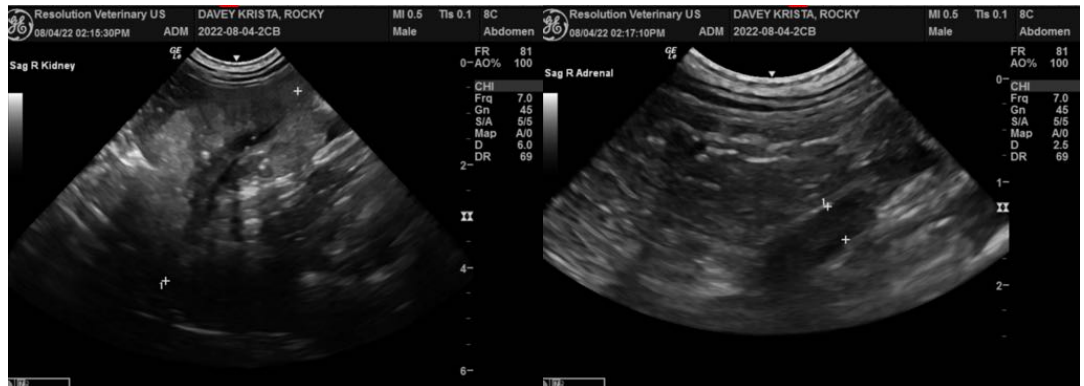
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**  
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