



**PATIENT**

Brooklyn Hubert

**SPECIES**

Canine

**BREED**

Beagle Mix

**SEX**

Spayed Female

**AGE**

12 years

**WEIGHT**

37.9 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. DeNuzio

**HOSPITAL NAME**

Kings VH

**REFERRING VET**

Dr. DeNuzio

**INVOICE**

95856

**DATE**

2/7/22

**PRESENTING CLINICAL SIGNS**

Renal values gradually creeping up over past year - normal November 2020, SDMA 15 Creat 1.6 BUN 30 on 7/10/21, SDMA 15 creat 1.9, BUN 43 on 2/1/22 but urine remains well-concentrated with USG 1.040 and quiet sediment. Patient is asymptomatic for kidney disease at this time.

**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 irregular cortical contour. Mildly increased cortical echogenicity and irregular contour was noted. The degenerative changes are considered mild to moderate. Pyelectasia was noted in the right kidney. Both kidneys measured approximately 4.5-5.0 cm.

**Adrenal Glands**

The **adrenal glands** were not visualized.

**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.

**Liver**

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

**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**

Brooklyn Hubert

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**

Beagle Mix

Non-specific, mild to moderate degenerative renal changes with slight pyelectasia.

Adrenal glands not visualized.

**SEX**

Spayed Female

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

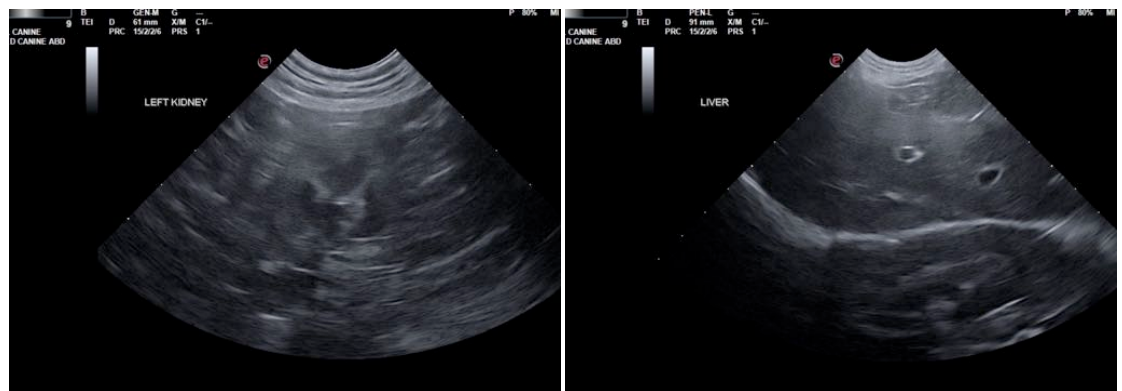
Screening for occult Addison's is warranted. Structurally the changes in the kidneys appears to be mild. Given that urine is well concentrated prerenal disease should be considered as a primary concern.

**AGE**

12 years

**WEIGHT**

37.9 lbs



**INTERPRETED BY**

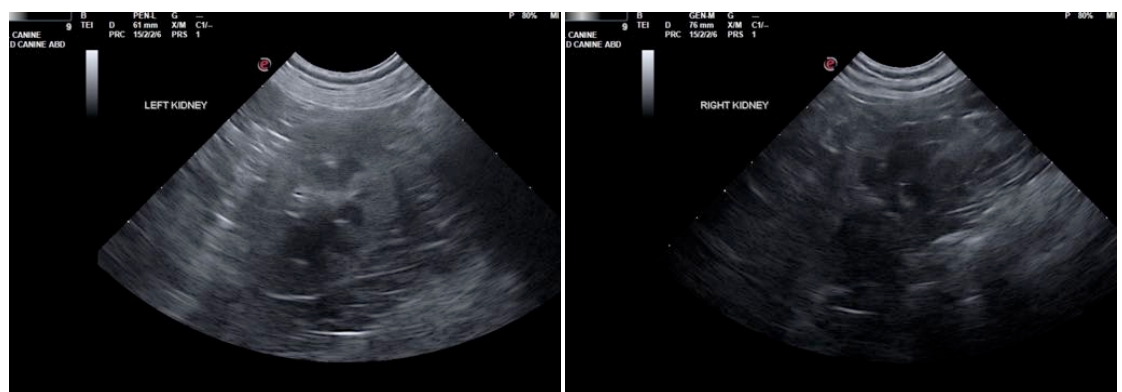
Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. DeNuzio

**HOSPITAL NAME**

Kings VH



**REFERRING VET**

Dr. DeNuzio

**INVOICE**

95856

**DATE**

2/7/22



**PATIENT**

Brooklyn Hubert

**SPECIES**

Canine

**BREED**

Beagle Mix

**SEX**

Spayed Female

**AGE**

12 years

**WEIGHT**

37.9 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. DeNuzio

**HOSPITAL NAME**

Kings VH

**REFERRING VET**

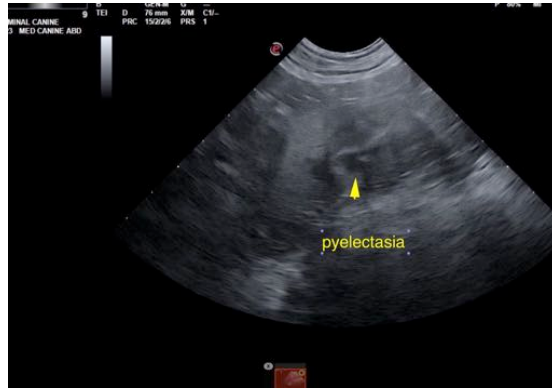
Dr. DeNuzio

**INVOICE**

95856

**DATE**

2/7/22



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