

**DATE PRESENTING CLINICAL SIGNS**

7/17/23

History: Had Hematuria- resolved with antibiotics. Continue with stranguria and having accidents. Decreased appetite in AM, PU/PD. No vomit/diarrhea. On i/d food, history of sensitive stomach. Decreased fat some muscle wasting of top line

**PATIENT**

Bailey Drumheller

**SPECIES**

Canine

**BREED**

Cocker Spaniel

Current Medications: Ellevet, Dasuquin, Gabapentin 50mg BID since 7/7, Clavamox 187.5mg BID since 7/13  
 Lab Results: BW @ ER 6/25/23: increased neutrophils 13.93, Glucose 117, Globulin 4.6, Increased Alk Phos 1274, Increased Amylase 1546. U/A @ ER SG 1.030, pH 8.0, WBC, RBC, >50, 1-5 struvite  
 Radiographs: 2 small urinary bladder calculi in dorsal aspect of bladder; Large liver

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

**SEX**

Spayed Female

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN****AGE**

3/1/12

**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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

**WEIGHT**

23.4 Pounds

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. Minor pyelectasia was noted in the kidneys. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.84 cm. The left kidney measured 5.44 cm.

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS**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 2.16 cm x 1.06 cm at the cranial pole and 0.63 cm at the caudal pole. The left adrenal gland measured 1.79 cm x 0.58 cm at the caudal pole and 0.5 cm at the cranial pole.

**HOSPITAL NAME**

Jacksonville VH

**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.

**REFERRING VET**

Dr. Larsson

**INVOICE**

23428

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

### ***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.

### ***Pancreas***

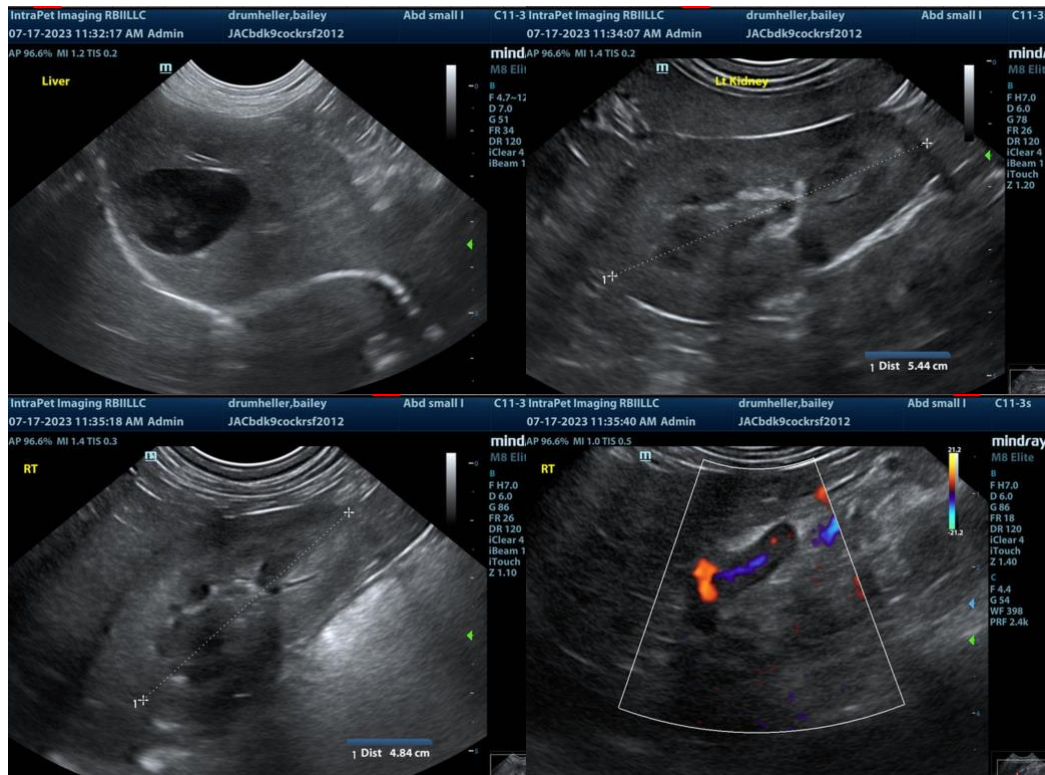
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

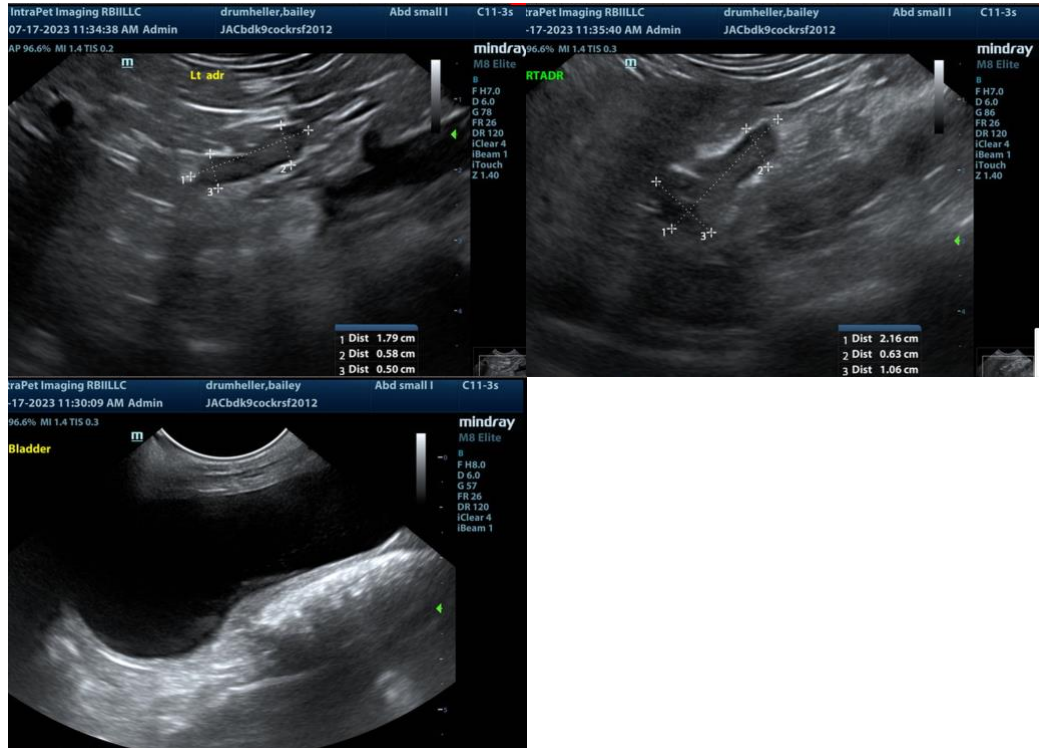
### **ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen
- Minor pyelectasia in the kidneys

### **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of visceral pathology. Occult UTI/pyelonephritis is possible, yet structurally, the changes are minor. Passage of calculi or mineralization, immune mediated or infectious inflammatory events, coagulopathy, idiopathic cystitis, and environmental stressors could all play a role in hematuria in this patient.





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.

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