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**DATE**

9/1/22

**PATIENT**

Monty Bowerman

**SPECIES**

Canine

**BREED**

Dachshund

**SEX**

Intact Male

**AGE**

3/29/22

**WEIGHT**

5.82 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Rachel Brilhart RDMS

**HOSPITAL NAME**

AH at Southgate

**REFERRING VET**

Dr. Jones

**INVOICE**

40962

**PRESENTING CLINICAL SIGNS**

7/28/22 pet was urinating clear several times during exam room. Owner confirmed happens at home. Multiple UA ( first AM) completed with minimal concentration. Routine labwork wnl. Lepto negative. 8/6/22 culture performed. Marbofloxacin 14 days retest of UA 8/24 showed minimal concentration. owner reports still urinating every 15 to 20 minutes very clear and sometimes walks and urinates

Current Medications: Preventatives.  
Lab Results: USG 1.014, WBC severely elevated >100/hpf.  
Date of Previous IntraPet Ultrasound: No previous.  
Sedation: IV sedative.  
Stat Report: Not requested.

**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 were noted. Ureteral papillae were normal.

The prostate was uniform at 8.0 mm.

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 and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.02 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 right adrenal gland measured 1.6 cm x 0.37 cm at the caudal pole and 0.55 cm at the cranial pole. The left adrenal gland measured 1.54 cm x 0.32 cm at the caudal pole and 0.38 cm at the cranial pole.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The spleen was folded upon itself caudally. 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.

**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**

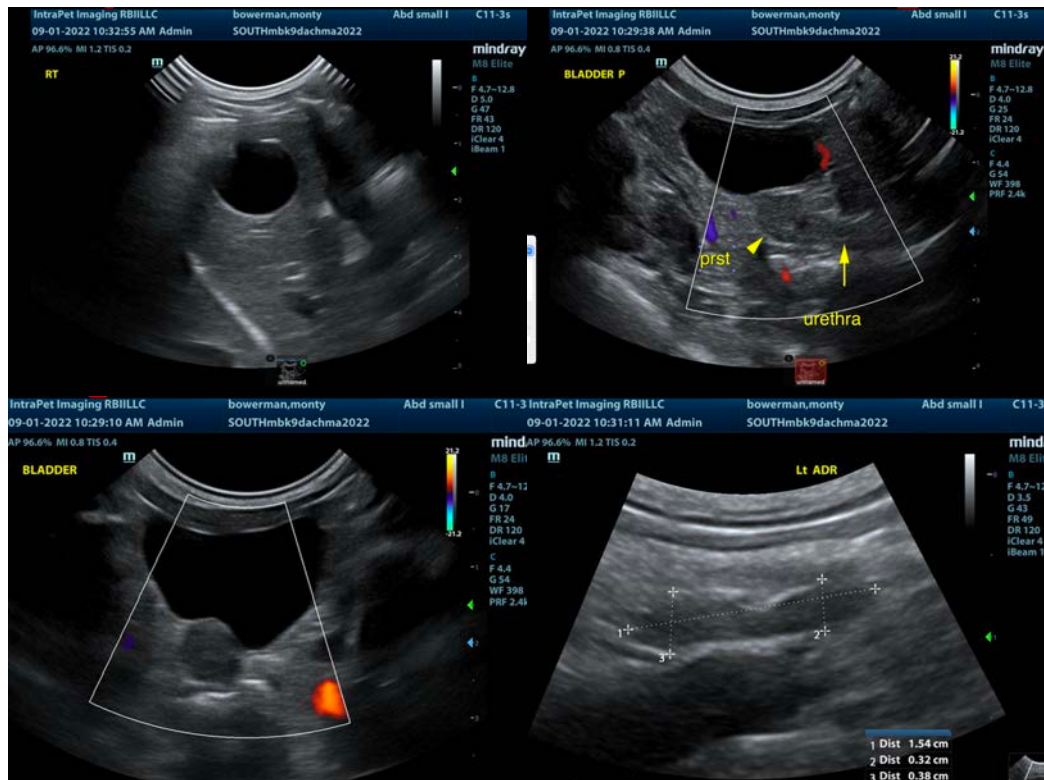
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

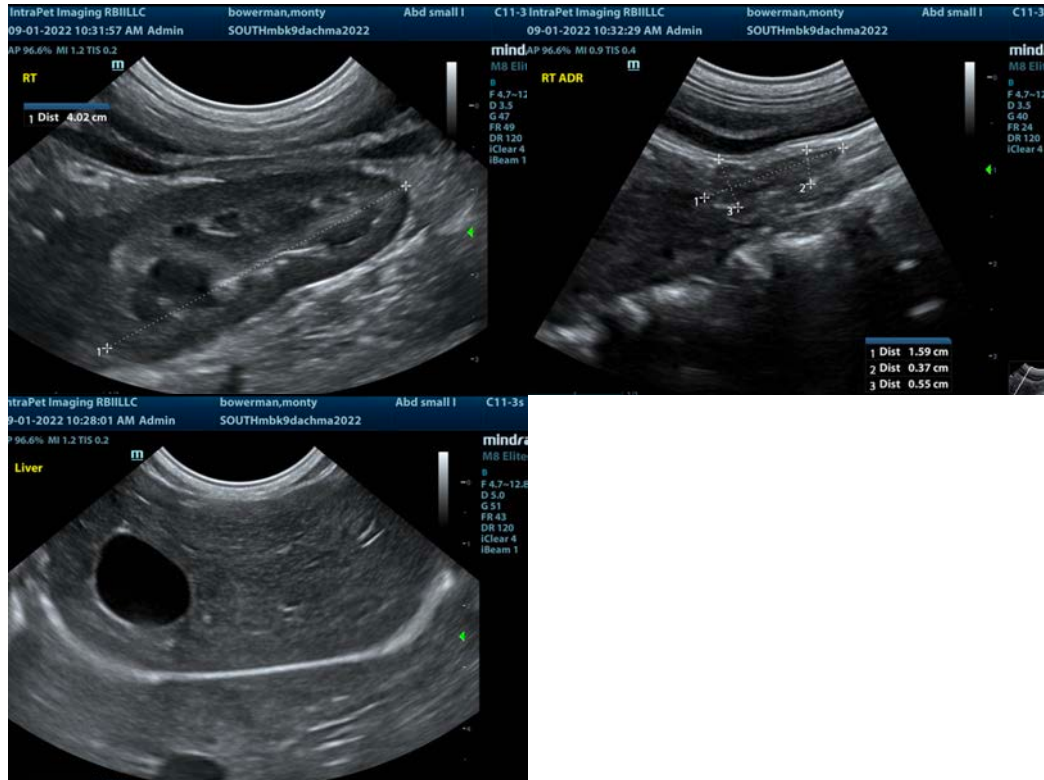
### **ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen

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

Given the patient history and lack of structural evidence of disease in the urinary tract, UTI with secondary washout effect likely playing a role in this patient. Favorite antibiotics for chronic UTI include third generation Cefa (Ceftiafur or similar s.i.d. injectable) or Clavamox. If suspicion of occult urinary incontinence is present then phenylpropanolamine (PPA) (1-2 mg/kg BID) can be employed long term to enhance urethral tone.





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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