

**DATE**

4/18/22

PRESENTING CLINICAL SIGNS

Presented for annual exam. On abdominal palpation, firm structure in region of bladder, even after P urinated repeatedly. No abnormal urinary signs reported by O, P doing very well at home. Had O return for repeat PE and rads the following day - bladder still very hard when palpated.

PATIENT

Zoe Bopp

Current Medications: None.

Radiographs: See attached.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

SPECIES

Canine

Imaging Performed By: Rachel Brillhart, RDMS.

BREED

Havanese

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.

SEX

Spayed Female

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight mineralization was noted. The left kidney measured 3.66 cm with pinpoint mineralization that measured 0.2 cm. The right kidney measured 3.48 cm.

AGE

4/3/08

WEIGHT

11.4 lbs

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 left adrenal gland measured 1.55 x 0.67 cm at the caudal pole and 0.67 cm at the cranial pole. The right adrenal gland measured 1.5 x 0.65 cm at the caudal pole and 0.51 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

HOSPITAL NAME

Bay Country 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 was noted.

REFERRING VET

Dr. McLean

Liver**INVOICE**

99338

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. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

Free Abdomen

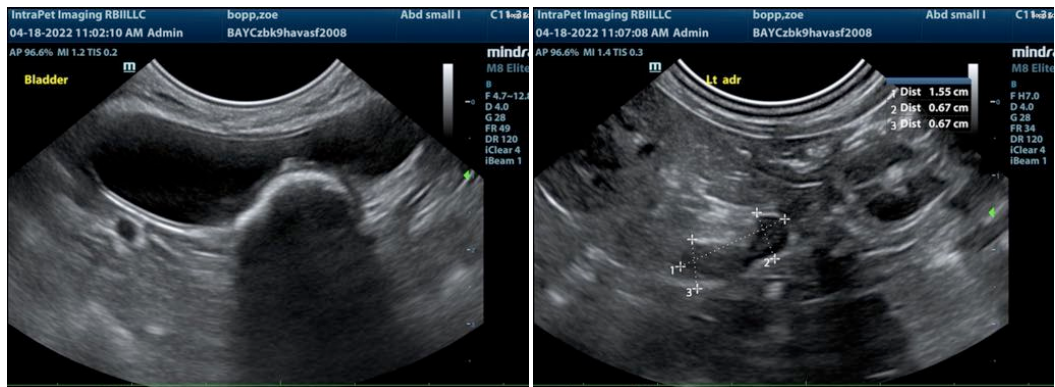
A cystic and parenchymal mass was noted and measured 4.87 cm. This appears to be cranial to the urinary bladder, but separate from it. Trace amounts of free fluid were noted adjacent to the mass.

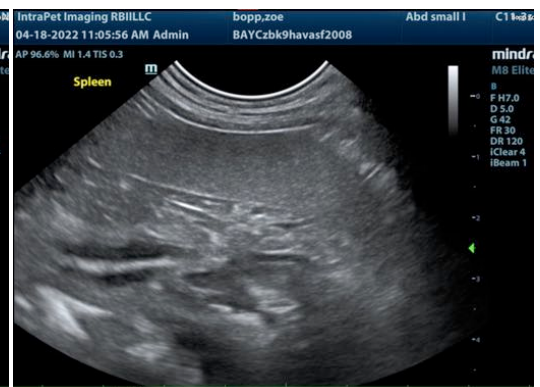
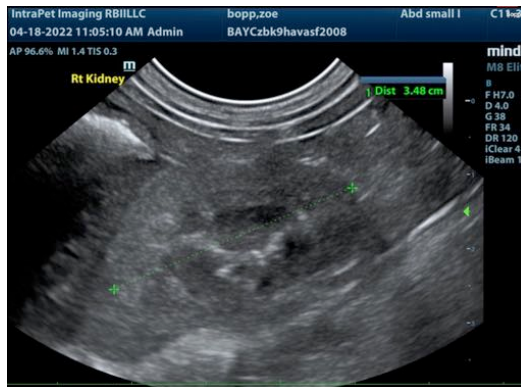
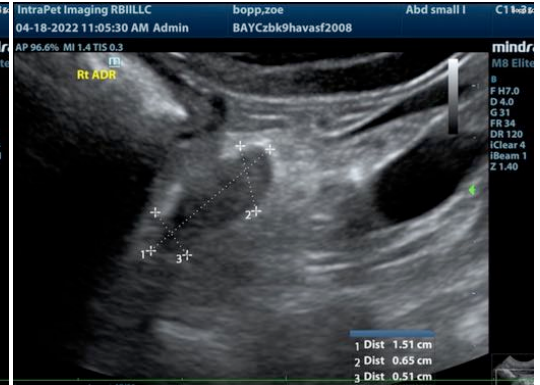
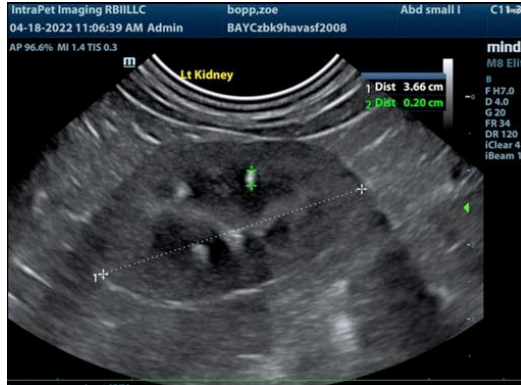
ULTRASONOGRAPHIC FINDINGS

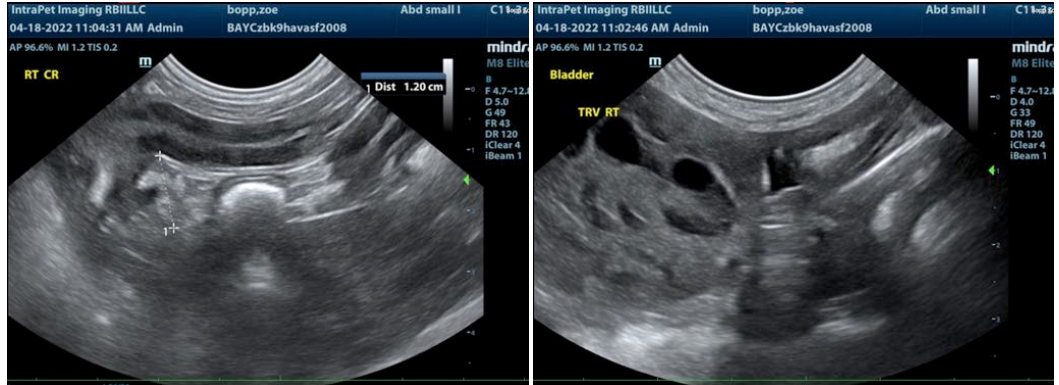
Undefined cystic and parenchymal mass cranial to the urinary bladder, it appears encapsulated. The exact source of the mass is unclear.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mass appears isolated and encapsulated, yet local free fluid was noted. Surgical exploratory is recommended with the objective or resection is recommended. The mass does not appear to be attributed to any specific organ.







The information and recommendations provided are based on the images presented by the referring veterinarian. 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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