

**DATE**

6/6/22

**PRESENTING CLINICAL SIGNS**

History: Pt presents for hyporexia of 3 weeks. Pt has also been in an extended heat cycle - dripping from vulva for 7-8 wks. Pt presented on 4/24 for initial workup and was put on clavamox and mirtazapine. Bladder stone was found in bladder upon precursory ultrasound as well as slightly thickened suspect uterine walls. Pt has not been doing any better still having same clinical signs.

**PATIENT**

Star Hopkins Ruff

**SPECIES**

Canine

**BREED**

Pekingese

Current Medications: Clavamox 125mg BID for 2 wks, entyce SID 2 wks

Lab Results: labs 4/25 - wnl. UA not performed.

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.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN****SEX**

Intact Female

**Urinary System**

The **urinary bladder** revealed a nonobstructive calculus, measuring 1.05 cm with distinct acoustic shadowing. In addition to the calculus, the urinary bladder also revealed an apical ventral polyp, measuring 0.82 cm x 0.5 cm, appears resectable.

**AGE**

11/4/2006

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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight mineralization noted. The right kidney measured 4.37 cm. The left kidney measured 4.04 cm.

**WEIGHT**

12 Pounds

**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 1.46 cm x 0.49 cm at the cranial pole and 0.49 cm at the caudal pole. The left adrenal gland measured 1.46 cm x 0.51 cm at the caudal pole and 0.41 cm at the cranial pole.

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS**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.

**HOSPITAL NAME**

Everhart VH

**REFERRING VET**

Dr. Rubinstein

**INVOICE**

15917

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some moderate age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some minor excessive debris and sand with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory,

infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

### ***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.

### ***Other***

The **right ovary** was micro- and macro-cystic, measuring 2.0 cm x 1.5 cm. The left ovary was moderately enlarged, measuring 2.79 cm x 1.24 cm with multiple cysts. The base of the **uterus** was considerably thickened, measuring 1.0 cm in width with slight fluid filled lumen.

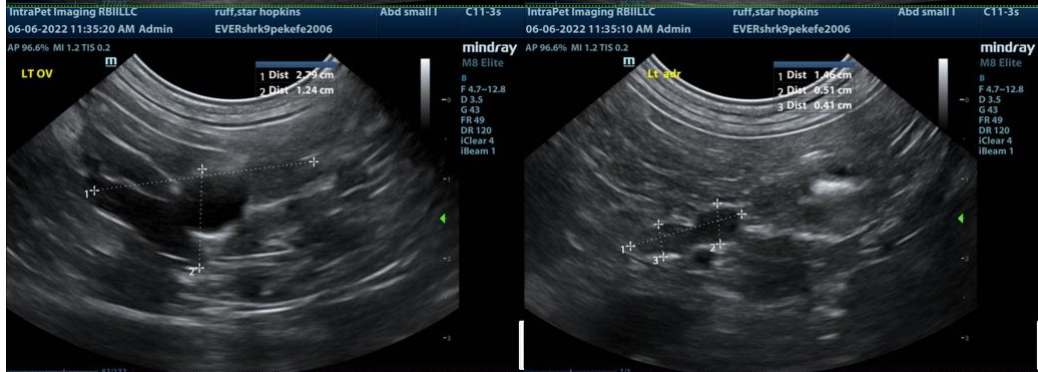
## **ULTRASONOGRAPHIC FINDINGS**

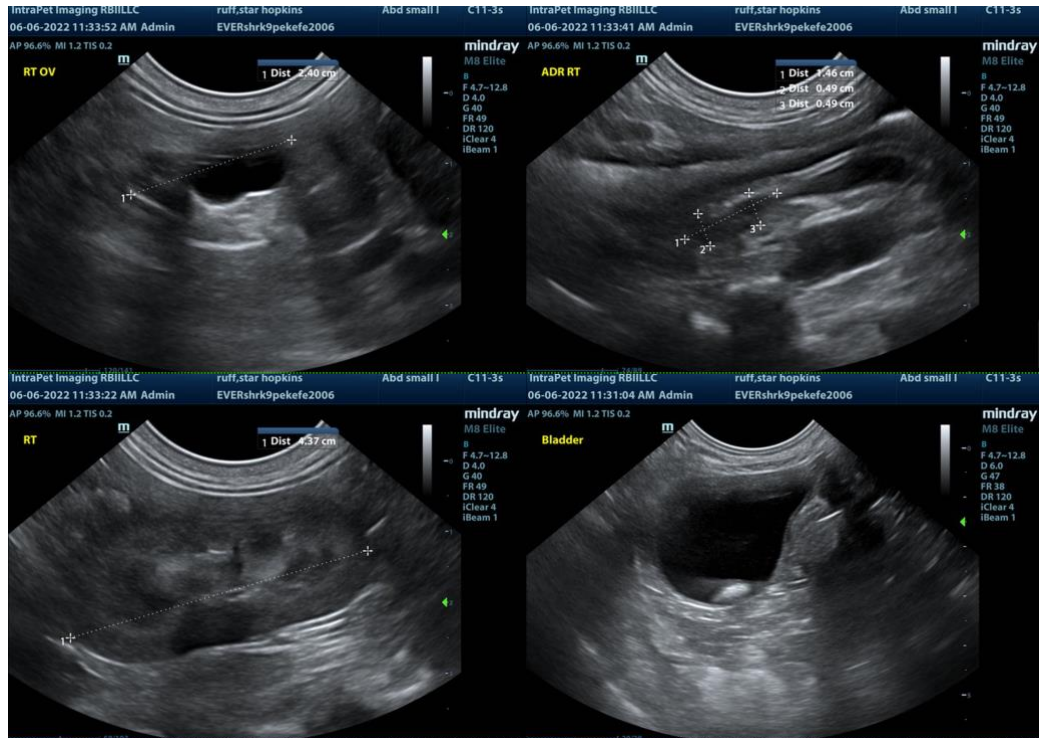
- Polycystic ovaries
- Thickened uterus. Low-grade metritis is suspected.
- Bladder calculus and apical ventral polyp (appears resectable)
- Age-related renal changes with slight mineralization
- Age-related hepatic changes
- Minor excessive gallbladder debris and sand

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

Ovariohysterectomy, cystotomy and partial apical ventral cystectomy recommended. Bile acid profile indicated to assess any early dysfunction.







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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