

**DATE**

5/16/22

PRESENTING CLINICAL SIGNS

History: PU/PD, urine leakage for years. Uncontrolled with Proin and Incurin. Increased ALP.

PATIENT

Honey Moore

Current Medications: Proin 50mg BID, Telmisartan 30mg SID.

Lab Results: ALP elevation. Normal low dose dex test last year. BP high- suspect from Proin.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

SPECIES

Canine

Stat Report: Not requested.

Imaging Performed By: Stephanie Pearce RDCS, RVT.

BREED

German Wire Hair

Pointer Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**SEX**

Soayed Female

Urinary System

The **urinary bladder** was overdistended yet structurally unremarkable. The urethra presented poor tone, measuring approximately 8.0 mm in width, 2-3 cm distal from the cystourethral junction.

AGE

6/16/14

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 6.76 cm. The left kidney measured 6.79 cm.

WEIGHT

73.4 Pounds

Adrenal Glands

The **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 3.36 cm x 0.68 cm at the caudal pole and 0.83 cm at the cranial pole. The left adrenal gland measured 2.0 cm x 0.5 cm.

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

Parkville AH

REFERRING VET

Dr. Mangini

Liver

Exam of the cranial abdomen demonstrated excessive **liver** size, swollen contour, with conserved uniform architecture. Parenchymal echogenicity was diffusely isoechoic to the spleen and falciform fat. Minor excessive GB debris was noted with the presence gall bladder dilation and precipitate without the overt formation of mucocele, but this may be an issue in the future. This type of liver presentation typically is associated with slow and gradual SAP elevations with low-grade ALT rise. USG-FNA sampling is encouraged if more aggressive LE profiles are present such as ALT > 200 or rapid rise in SAP. These presentations are usually reactive hepatopathies owing to other disease processes either endocrine (Diabetes, Hypothyroidism, Cushing's disease), "antigen surveillance" from the gut/pancreas, or idiopathic breed predisposed progressions. This is a moderate change.

INVOICE

15227

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

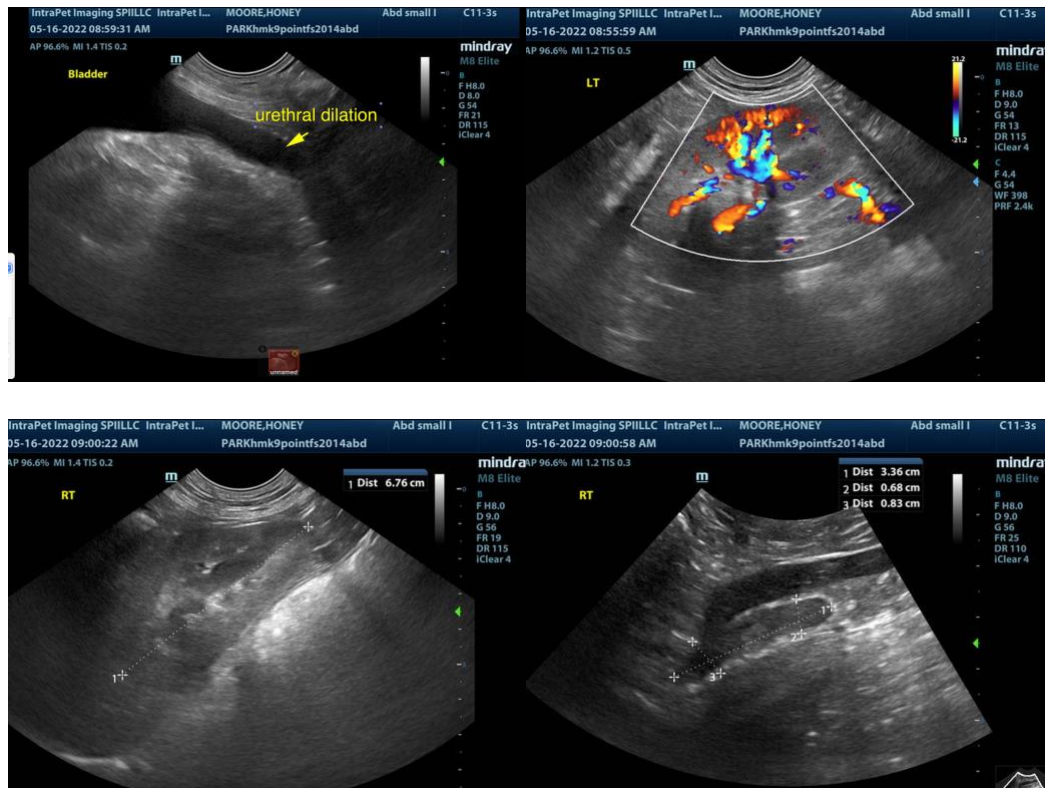
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted. .

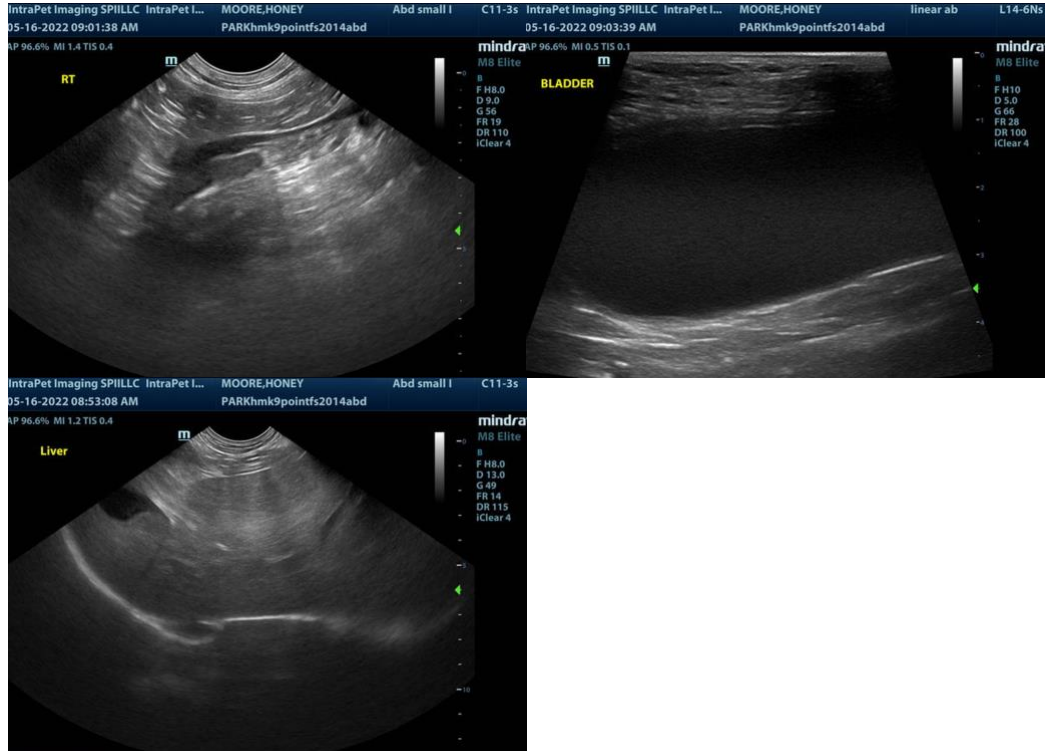
ULTRASONOGRAPHIC FINDINGS

- Benign hepatopathy
- Overdistended urinary bladder with poor urethral tone

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Enhancement of urethral tone and treatment for incontinence with DES and Phenylpropanolamine indicated. Examination of the vaginal vestibule for urine pooling and areas of seeding for UTI. Continual management for potential recurrent UTI.





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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com