

**DATE**

12/16/22

PRESENTING CLINICAL SIGNS

History: Uncontrollable Diabetes-- diagnosed 5/21. Recent coughing, increased resp effort

PATIENT

Roxy Tuit

Current Medications: Vetsulin 6units BID, Theophylline 100mg 1/2 BID, Doxycycline 50mg 1 BID

Lab Results: Alk Phos-- 545increase over the past year, Glucose higher recently on same insulin dose

Radiographs: bronchial pattern throughout; enlarged liver and spleen?

Date of Previous IntraPet Ultrasound: No previous.

SPECIES

Canine

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

BREED

Miniature Pinscher

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**SEX**

Intact Female

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.

AGE

5/20/12

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 left kidney measured 4.0 cm. The right kidney measured 4.87 cm. Slight pyelectasia was noted. Slight hyperechoic corticomedullary band was noted in both kidneys, this is idiopathic, however, it may be related to tubular disease if any significant proteinuria is present.

WEIGHT

13 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 left adrenal gland measured 2.35 cm x 0.8 cm at the caudal pole and 0.77 cm at the cranial pole. The right adrenal gland measured 1.81 cm x 0.75 cm at the caudal pole and 0.74 cm at the cranial pole.

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**HOSPITAL NAME**

Edgewood 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. Mullenex

Liver**INVOICE**

20144

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular tracts were of normal volume and no evidence of congestion was noted. The hepatic lymph nodes were unremarkable. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted. Lobar biliary calculi were noted.

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 mild 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 subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

Other

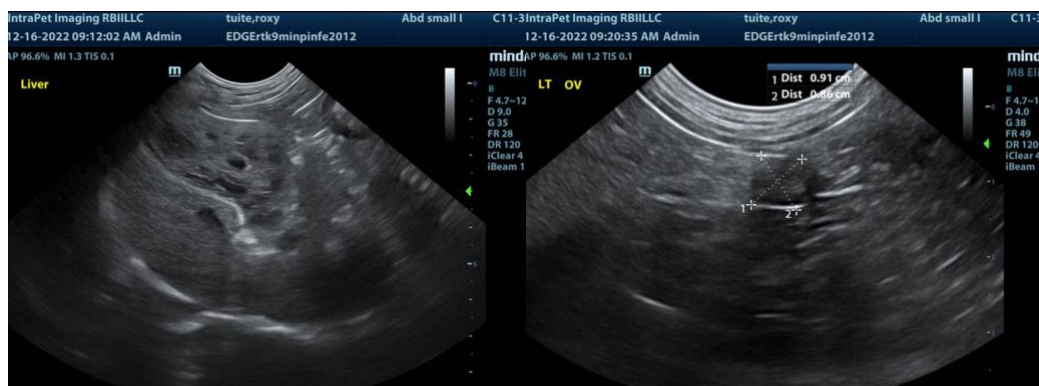
The left **ovary** was uniform, measuring 0.91 cm x 0.86 cm. The right ovary was uniform, measuring 1.0 cm x 0.68 cm.

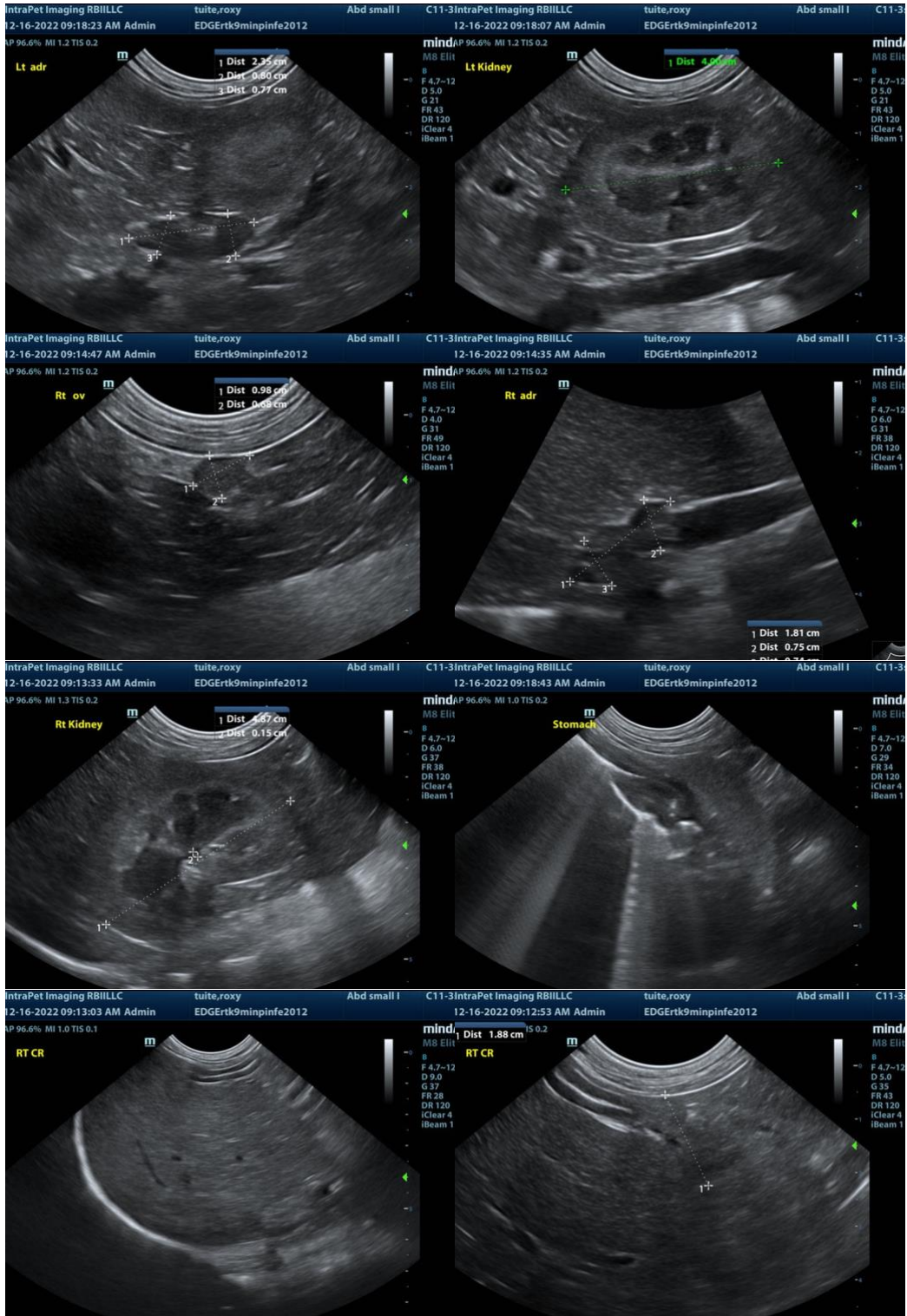
ULTRASONOGRAPHIC FINDINGS

- Slight hyperechoic corticomedullary band and pyelectasia in both kidneys
- Lobar biliary calculi and excessive gallbladder debris, not to the level of mucocele formation
- Geriatric abdomen with unremarkable reproductive tract

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ursodiol therapy is recommended proactively.







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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