

PATIENT PRESENTING CLINICAL SIGNS

Lola Amato PU/PD; dripping urine On Incurin 1 mg SID
 Abnormal PE/Chem/CBC/UA Results: UPC 3.7; creat 1.8; BUN 78; Glob 6.3; A:P 262

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED

Labrador Retriever X

SEX

Spayed Female

AGE

10 Years

WEIGHT

47.6 Pounds

The urinary bladder exhibited subjective minor distention, yet overall normal subjective tone. Primarily anechoic content noted with very minor, non-dependent particulate sediment. The cystourethral junction and visible proximal urethra were sonographically unremarkable to a depth of 3.0 cm.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. The left kidney measured 6.0 cm. Small cortical cysts are noted in both kidneys. Mild pyelectasia noted in both kidneys. The right kidney measured 6.5 cm.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.56 cm at the cranial pole and 0.82 cm at the caudal pole. The right adrenal gland measured 0.73 cm at the cranial pole and 0.65 cm at the caudal pole.

Spleen

The spleen exhibited medial folding of the caudal spleen, not overtly indicative of underlying splenic pathology and may be a patient variant. The spleen presented primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild, non-dependent yet non-organized echogenic debris. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Duodenum wall measured 0.45 cm.

Normal visible colon wall layers were present with apparent formed feces in lumen.

INTERPRETED BY

R. McKenzie Daniel, DVM,
 DABVP (Canine and Feline)

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

Norfolk County VS

REFERRING VET

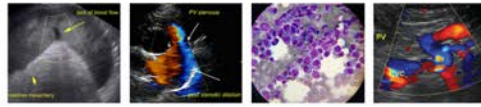
Dr. Tami Ilovich

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DATE

10/28/21



PATIENT *Pancreas*

Lola Amato

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. The appearance of the pancreas is likely consistent with age related pancreatic changes and considered incidental.

SPECIES

Canine

Free Abdomen

BREED

Labrador Retriever X

Intermittent, mildly prominent to enlarged mesenteric and medial iliac lymph nodes were present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). These lymph nodes were not overtly consistent with neoplastic or inflammatory criteria and likely incidental. No effusion. The omentum was of uniform echogenicity.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Bilateral chronic nephropaty with minor pyelectasia and cortical cysts
- Sonographically unremarkable urinary bladder
- Mild gallbladder debris (non-mucocele)

AGE

10 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis. Without overt suspicion of underlying hepatic disease or endocrinopathy, the PU/PD in this patient is suspected to be owing to chronic renal disease. Correlation with full urinary workup including urinalysis (if not recently done) and screening urine culture and sensitivity recommended. If persistent elevated UPC, ACE inhibitor or angiotensin receptor blocker medication may be indicated. Monitoring of systemic blood pressure is suggested. If blood pressure is normal, and continued signs of incontinence are noted, Phenylpropanolaine combined with Incurin may prove beneficial. No overt evidence of lower urinary tract pathology, specifically neoplasia.

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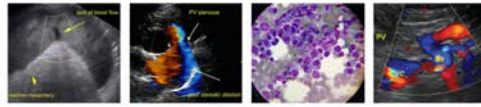
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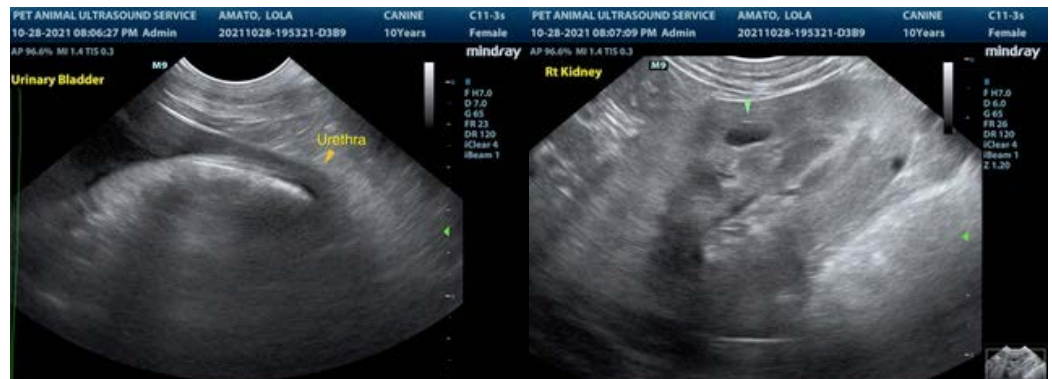
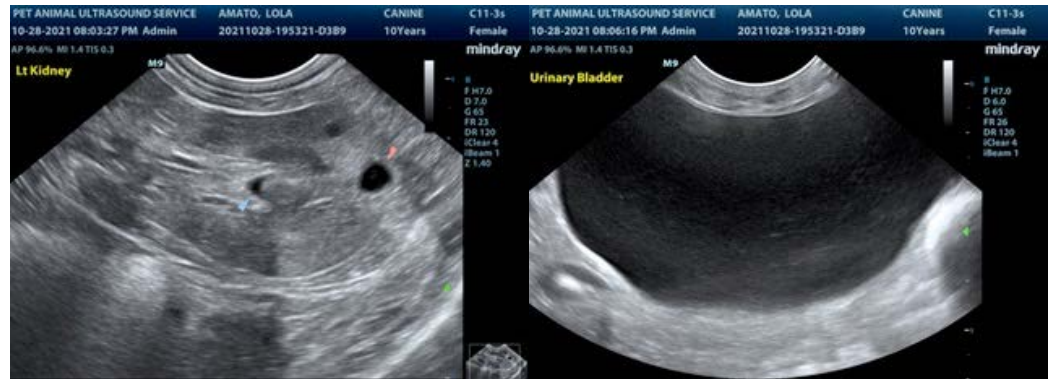
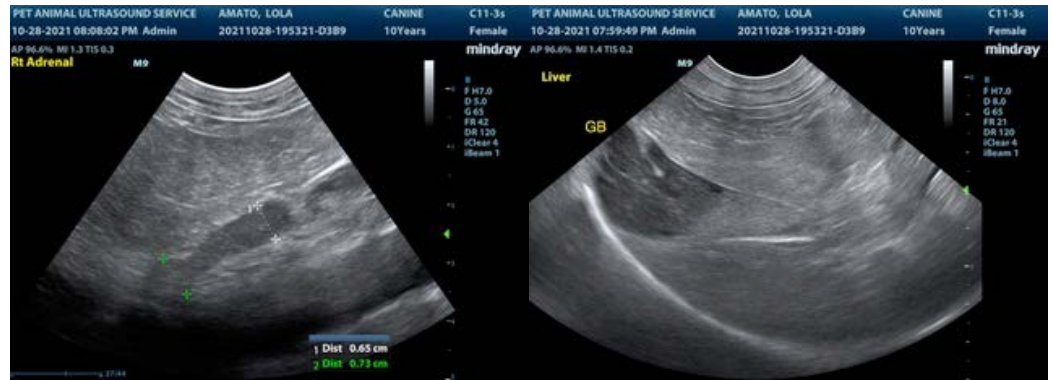
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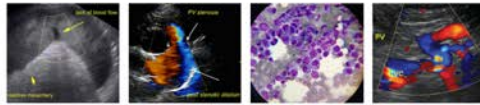
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Lola Amato

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.

SPECIES

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