



PATIENT PRESENTING CLINICAL SIGNS

Romeo Galindo Hematuria. ALT 121. Radiographs - unremarkable. Sedated with torb/dex

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED

Yorkshire Terrier

SEX

Intact Male

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.7 cm x 2.9 cm. Anechoic, thinly walled parenchyma cysts were present. Example of cyst measured 1.3 cm diameter.

AGE

9 Years

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 minor loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint medullary mineral present in both kidneys. The left kidney measured 4.6 cm. The right kidney measured 4.7 cm.

WEIGHT

9 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm at the cranial pole and 0.40 cm at the caudal pole. The right adrenal gland measured 0.58 cm at the cranial pole and 0.57 cm at the caudal pole.

INTERPRETED BY

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

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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 thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

East Boston AH

REFERRING VET

Dr. Raman Chopra

Gastrointestinal

INVOICE

37856

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained ingesta exhibiting areas of progressive distal acoustic shadowing. Ventral gastric body wall measured 0.45 cm.

DATE

5/22/22

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 0.43 cm. Jejunum wall measured 0.27 cm.



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

Romeo Galindo **Pancreas**

SPECIES The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Canine **Free Abdomen**

BREED Intermittent medial iliac lymph nodes were present, normal in size. 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 consistent with inflammatory or neoplastic criteria and considered incidental. Example measured 0.36 cm.

SEX **ULTRASONOGRAPHIC FINDINGS**

Intact Male

- Benign prostatic hyperplasia with parenchymal cysts, potential for prostatitis possible. No evidence of prostatic neoplastic criteria, which is unlikely.

AGE Mild chronic renal changes with pinpoint medullary mineral.

9 Years

- Low-grade hepatopathy – potential low-grade inflammatory hepatopathy, given the mild ALT elevation.

WEIGHT Minor pancreatic parenchymal remodeling.

9 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY Without evidence of renal or urinary bladder pathology, the hematuria in this patient is suspected to be secondary to the prostatomegaly. Prostatic sampling, either via ultrasound guided FNA, or prostatic wash for cytology +/- culture and sensitivity could be considered. Neutering is likely ideal in this patient.

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

IMAGING PERFORMED BY Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

Pamela Harrigan, RDCS

HOSPITAL NAME Given the low-grade ALT elevation, hepatosupportive medications with continued monitoring of ALT levels +/- ultrasound guided hepatic FNA, if persistent/progressive ALT elevation for screening cytology, would be reasonable.

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PATIENT

Romeo Galindo

SPECIES

Canine

BREED

Yorkshire Terrier

SEX

Intact Male

AGE

9 Years

WEIGHT

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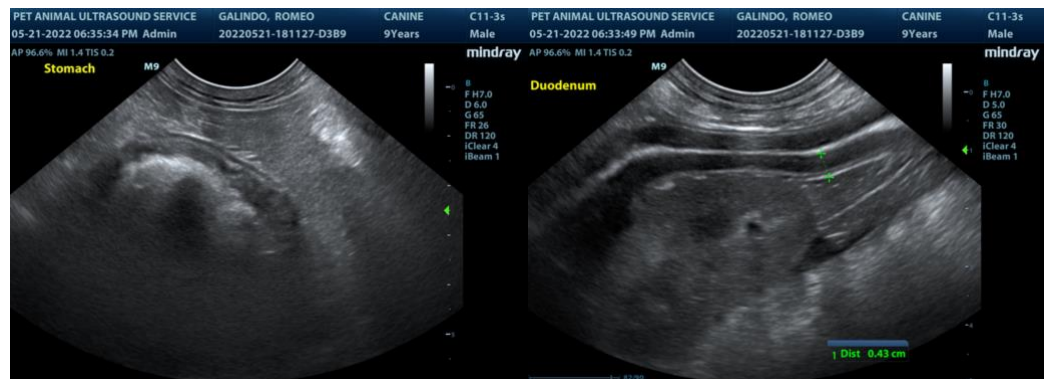
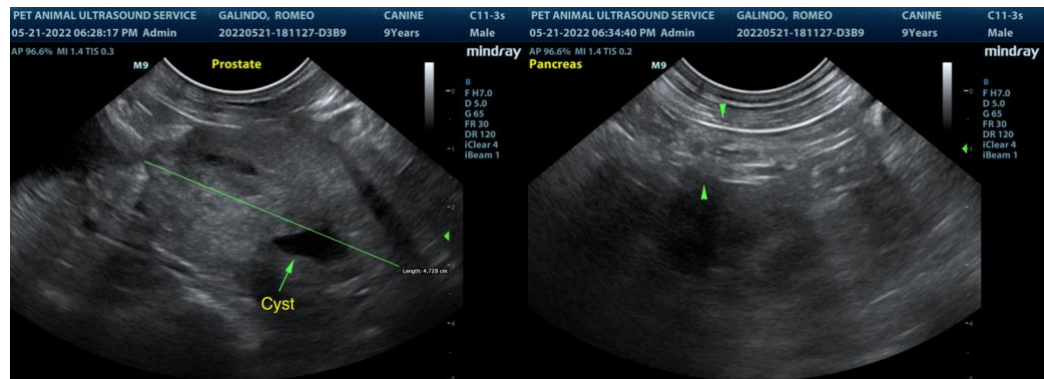
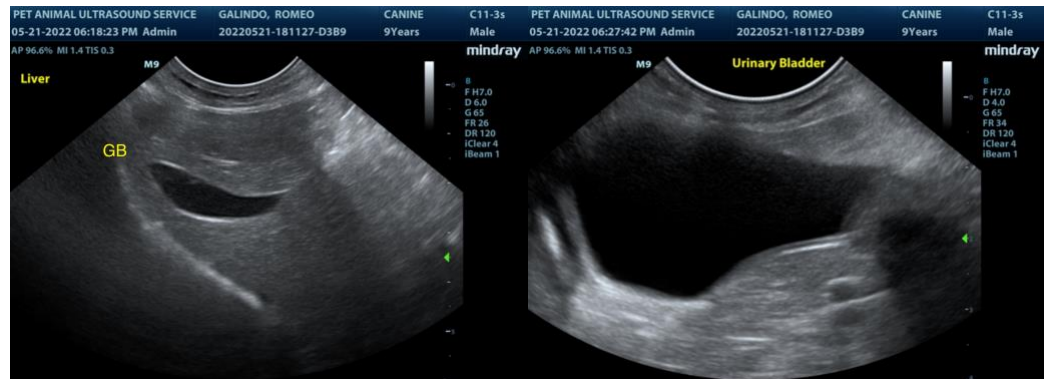
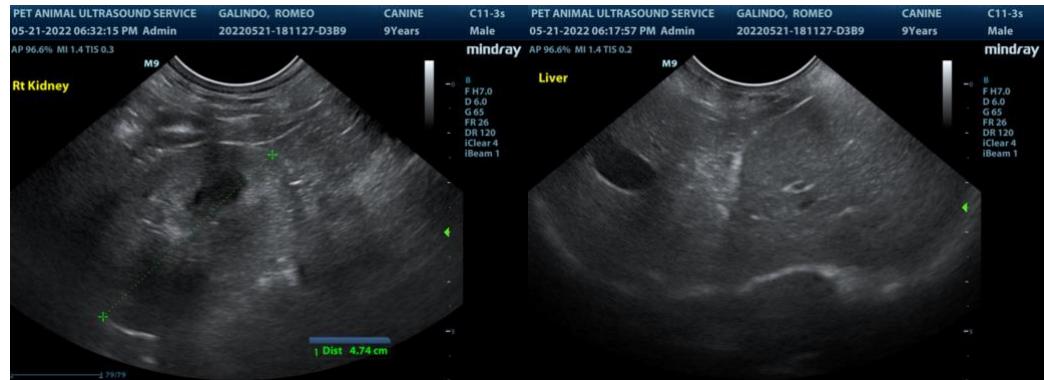
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PATIENT

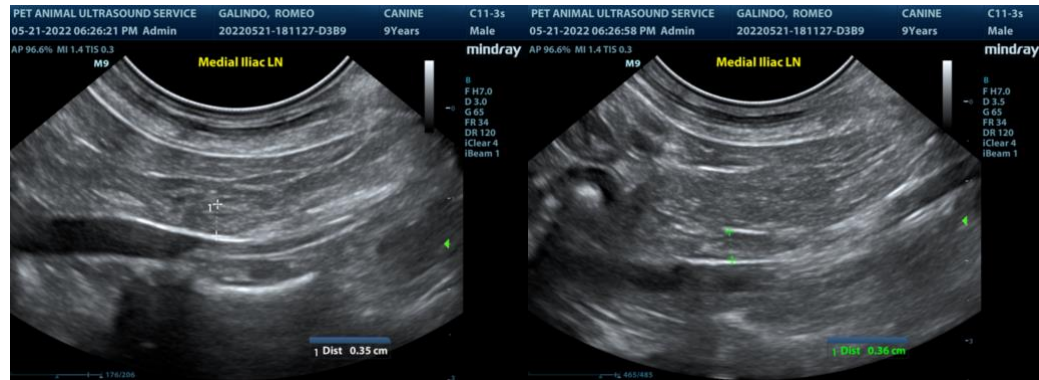
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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