



PATIENT

Mako Drane

PRESENTING CLINICAL SIGNS

History: Early renal disease and proteinuria. No clinical signs.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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

Domestic Shorthair

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.86 cm in diameter.

SEX

Australian Cattle Dog

Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. Scant pyelectasia was present in both kidneys. Potential subtle dilation of the right ureter exiting the right kidney possible yet not definitive, if present, this was not consistent with post-renal obstruction. The right kidney measured 4.8 cm in length. The left kidney measured 5.1 cm in length.

AGE

11 Years

WEIGHT

18.7 kg

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.49 cm width at the cranial pole.

INTERPRETED BY

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

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.53 cm width at the caudal pole and 0.46 cm width at the cranial pole.

Spleen

The spleen exhibited 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.

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

New England AMC

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.

REFERRING VET

Dr. Alberto
Fernandez, DVM

The gallbladder was non distended in size with nondependent nonorganized particulate debris. The gallbladder was otherwise normal without evidence of inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE

13604

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. Minor retained ingesta/chyme was present. The gastric body wall measured 0.37 cm in width.

DATE

1/24/22



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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. The duodenum wall measured 0.59 cm. The jejunum wall measured 0.37 cm.

SPECIES

Canine

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

BREED

Domestic Shorthair

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SEX

Australian Cattle Dog

No effusion was present.

AGE

11 Years

Free Abdomen

Intermittent, mildly prominent to enlarged mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). A n example of lymph node size measured 0.42 cm width. These lymph nodes were not consistent with inflammatory or neoplastic criteria and incidental.

WEIGHT

18.7 kg

ULTRASONOGRAPHIC FINDINGS

- Nonspecific mild chronic renal changes with minor pyelectasia
- Minor retained gastric ingesta/chyme- suspect recent meal ingestion, unless evidence of inappetence or documented NPO
- Mild gallbladder debris- non-mucocele

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 Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pyelectasia in both kidneys is suspected to be secondary to mild chronic renal changes or potential pelvic scarring. If not done, further renal staging, including urine culture and sensitivity, as well as UPC given the reported proteinuria recommended. Early CKD treatment, which may include renal diet and/or ace-inhibitor medication if UPC level is significant is recommended.

IMAGING PERFORMED BY

Ursodiol therapy could be considered if evidence of cholestasis.

Pamela Harrigan, RDCS

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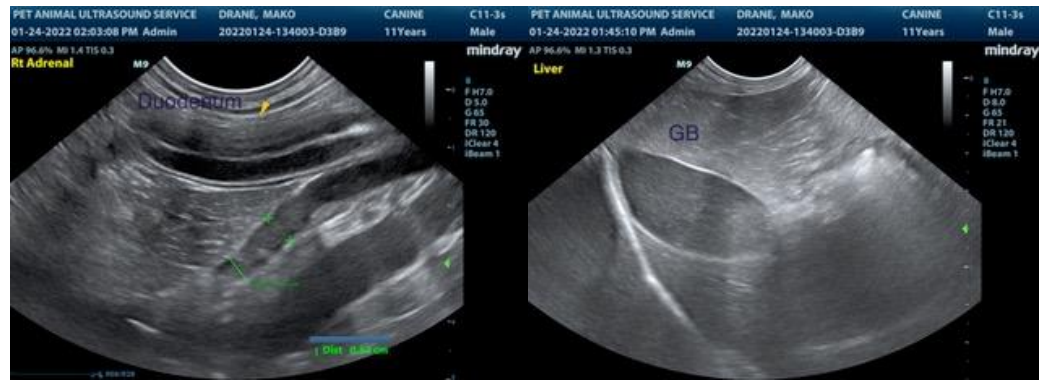
Australian Cattle Dog

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The information and recommendations provided are based on the images presented by the



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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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