

PATIENT PRESENTING CLINICAL SIGNS

Body McDermott Lethargy, inappetant x 3 days. BW / radiographs pending.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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. The residual prostate measured 1.2 cm diameter.

BREED

Golden Retriever

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 loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia noted in both kidneys. The right kidney measured 6.8 cm. The left kidney measured 6.8 cm.

SEX

Neutered Male

Adrenal Glands

AGE

12 Years

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.48 cm at the cranial pole and 0.40 cm at the caudal pole. The right adrenal gland measured 0.43 cm at the caudal pole.

WEIGHT

32 kg

Spleen

A moderately sized mass involving the spleen with secondary asymmetrical capsule expansion and disruption was present. The mass measured approximately 8.0 cm in diameter. The parenchyma of the mass was heterogeneous to mixed echogenic with areas of cavitation. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Regional omental inflammation was present around the mass.

INTERPRETED BY

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

Liver

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

The liver exhibited generalized enlargement with areas of asymmetrical hepatic contour. Diffuse non-uniform to hypoechoically nodular parenchyma with evidence of parenchymal remodeling noted as well as intermittent, ill-defined, non-homogeneous intraparenchymal masses. Example of hepatic intraparenchymal mass measured 7.0 cm x 5.0 cm. 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

New England AMC

Gastrointestinal

REFERRING VET

Dr. Alberto Fernandez

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.

INVOICE

34306

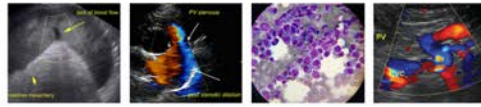
Normal visible colon wall layers were present with semiformed feces in lumen.

Pancreas

DATE

1/16/22

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.



PATIENT *Free Abdomen*

Body McDermott A mild to moderate volume peritoneal free fluid noted, exhibiting mild cellular component. Generalized primarily perihepatic and perisplenic reactive mesentery noted. No overt lymphadenopathy.

SPECIES Intermittent, mildly prominent to enlarged medial iliac lymph nodes were present. Example measured 0.46 cm diameter. These lymph nodes were not consistent with inflammatory or neoplastic criteria, and likely incidental. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

Canine

BREED

Golden Retriever

SEX

Neutered Male

PRIMARY FINDINGS

- Splenic mass
- Hepatomegaly exhibiting generalized non-uniform to nodular parenchyma with intermittent non-homogeneous intraparenchymal masses
- Mild to moderate volume peritoneal free fluid, generalized primarily perihepatic and perisplenic reactive mesentery

SECONDARY FINDINGS

- Bilateral mild chronic renal changes with minor pyelectasia

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although histopathology is required for definitive diagnosis, the splenic mass is most suggestive of neoplasia such as sarcoma or other. Benign pathologies are possible, yet considered less likely. Although mild potential for benign hepatopathy and parenchymal changes (i.e., chronic active hepatitis or other hepatopathy with parenchymal remodeling, multifocal areas of nodular to regenerative hyperplasia and hematopoiesis) are possible, multicentric neoplasia involving the spleen and liver is considered highly probable. Hepatic FNA could be considered for further clarification. However, given these findings, surgical options are unfortunately likely precluded given the hepatosplenic pathology.

INTERPRETED BY

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 DABVP (Canine and Feline)

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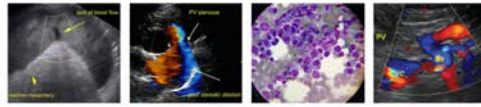
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Body McDermott

SPECIES

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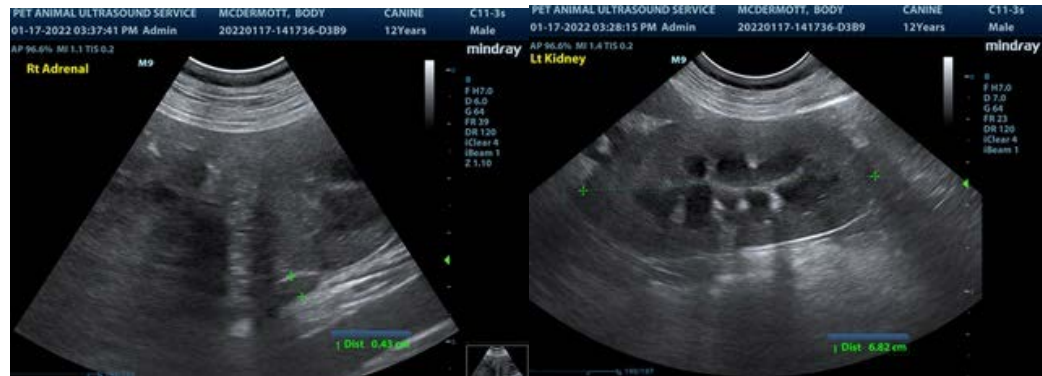
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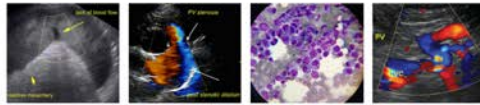
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PATIENT

Body McDermott

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.

SPECIES

Canine

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.

BREED

Golden Retriever

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Neutered Male

AGE

12 Years

WEIGHT

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