



PATIENT PRESENTING CLINICAL SIGNS

PATIENT BJ Smith History: Elevated white blood cell count (37,600) since April, 2021 (? abscess, ? cancer). 7/5/22: presented for right pelvic limb tremors. Periodontal disease and suspect osteoarthritis in left foreleg. Elevated liver enzymes in 2017, have been normal since. 2018: History renal disease secondary to leptospirosis.
SPECIES Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

BREED Corgi The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

SEX

SEX MN The left kidney was mildly subnormal in size compared to the right kidney. Severe left kidney hydronephrosis exhibited by replacement of discernable medullary parenchyma with mildly echogenic fluid was present. The left kidney measured 3.6 cm in length.

AGE

AGE 11yr The right kidney was enlarged compared to the left which could indicated compensatory hypertrophy. Mild right kidney pyelectasia was present. The right kidney measured 6.9 cm in length. The area of the aortic trifurcation was free of pathology.

WEIGHT

WEIGHT 26lb *Adrenal Glands*
 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.45 cm width at the caudal pole and 0.58 cm width at the cranial pole.

INTERPRETED BY

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

A large nonhomogeneous to mixed echogenic mass was present in the area of the right adrenal gland measuring 7 cm in diameter. The mass appeared to directly efface the medial and caudal right kidney.

Spleen

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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.

HOSPITAL NAME

VCA Hanson Animal Hospital

Liver

REFERRING VET

Dr. Oscar

The liver was subjectively normal in size and contour. A solitary spherical isoechoic nodule was noted in the mid ventral liver measuring 1.4 cm in diameter. 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.

INVOICE

11199ag

Gastrointestinal

DATE

07/25/2022

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild to moderate congealed yet nonorganized debris. The cystic and common bile ducts were normal.

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.



PATIENT

BJ Smith

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.

SPECIES

Canine

The distal descending colon exhibited a mildly nonhomogeneous mural mass extending into the colorectal lumen. This lesion measured 1.5 cm.

Pancreas

BREED

Corgi

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

SEX

MN

ULTRASONOGRAPHIC FINDINGS

- Large mass lesion in the area of the right adrenal gland
- Distal colon mural mass lesion
- End stage left kidney hydronephrosis, potential for pyonephrosis
- Mild right renomegaly exhibiting mild pyelectasia
- Hepatic parenchyma remodeling with solitary isoechoic nodule
- Mild to moderate gallbladder debris (non-mucocele)

AGE

11yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

26lb

Assessment of systemic BP is recommended for screening for hypertension, which may allude to a right pheochromocytoma vs other functional adrenal neoplasia. The possibility of a mass emerging from the right kidney is considered less likely. Ultrasound guided centesis of the left kidney for collection of fluid for cytology could be considered. Functionality of the left kidney is unlikely.

Rectal palpation +/- colonoscopy with potential for biopsy given the distal descending colon mural mass could be considered.

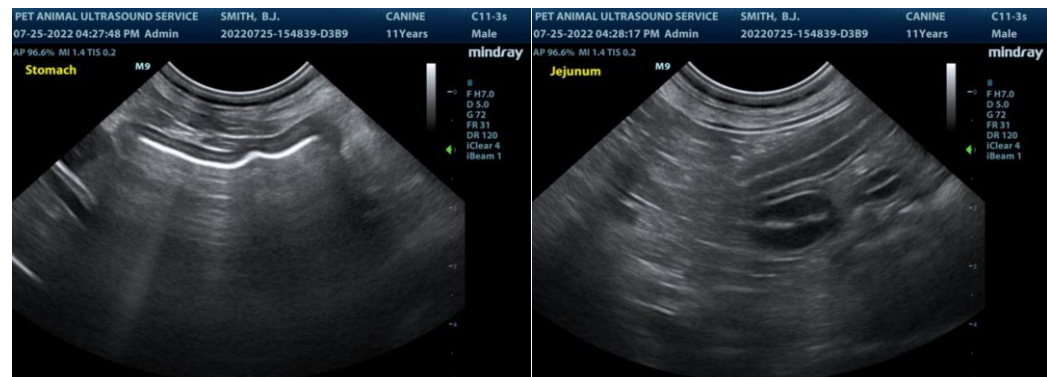
INTERPRETED BY

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

Abdominal CT is likely ideal for further assessment. Three view chest radiographs suggested.

IMAGING PERFORMED BY

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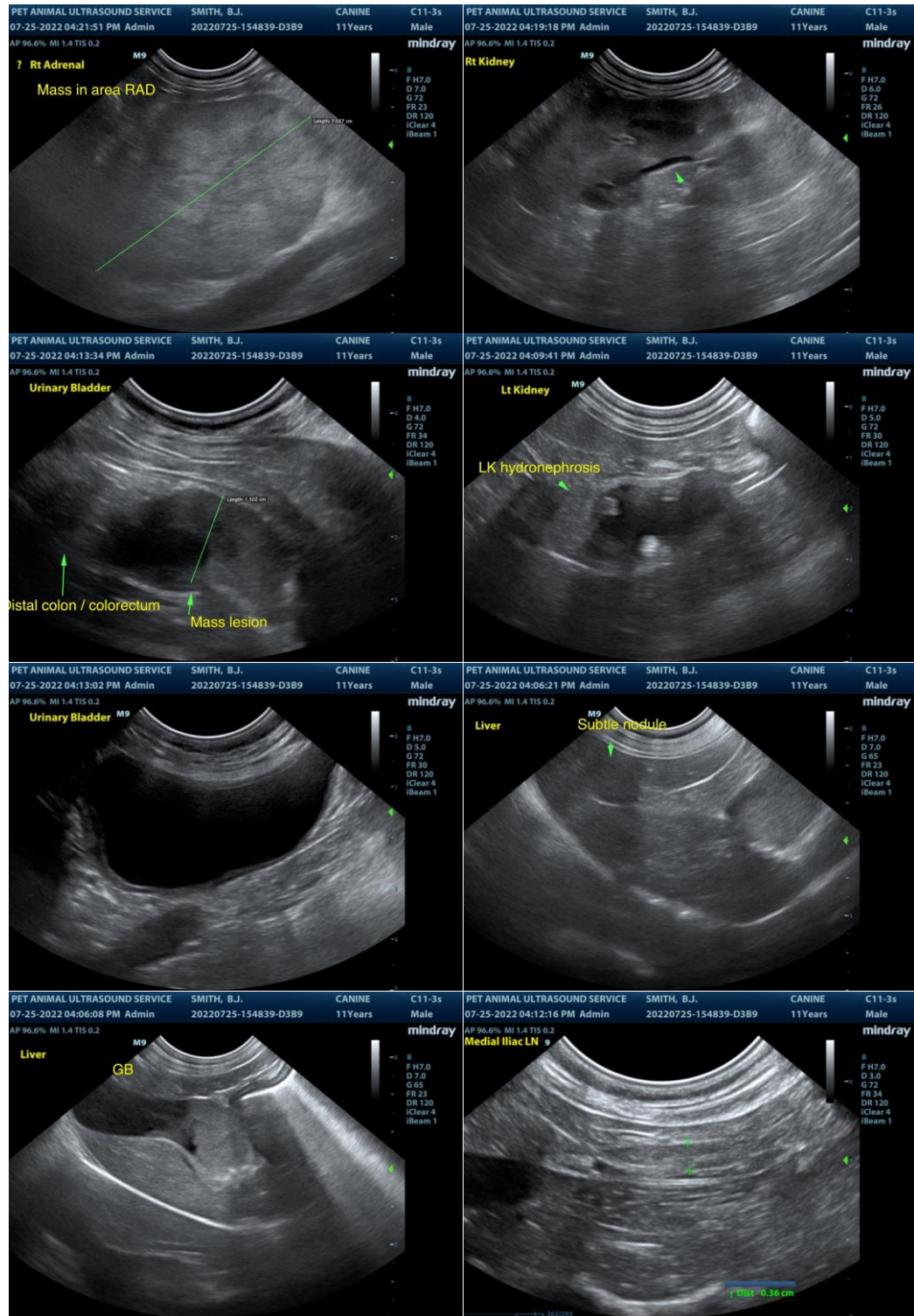
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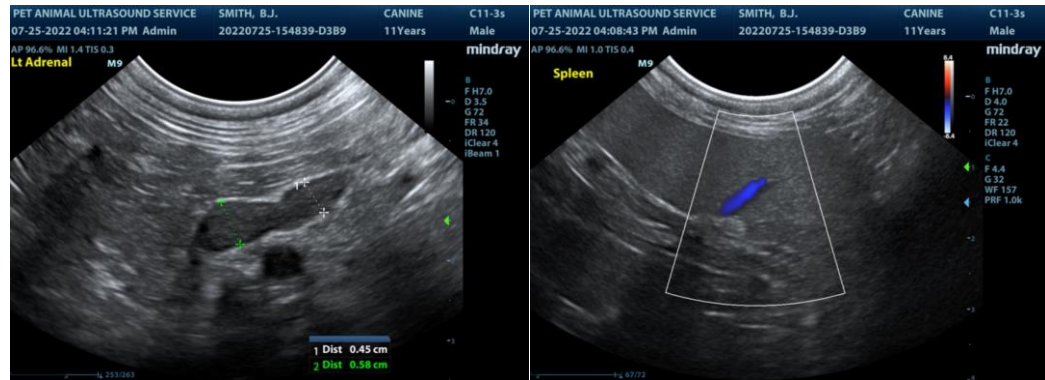
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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 info@SonoPath.com