

PATIENT PRESENTING CLINICAL SIGNS

Chip Marshall
 History: Hyperadrenocorticism, glaucoma
 Medication: Trilostane 10mg

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Beagle

Urinary System

The bladder was normal in size and contour. Anechoic urine was present with no calculi noted. An unspecified, mildly nonhomogeneous mass in the area of the apical urinary bladder wall was present, measuring 2.0 cm in diameter. The visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone.

SEX

Neutered Male

The residual prostate exhibited normal size yet mild asymmetrical capsule contour and nonhomogeneous yet nonmineralized parenchyma, measuring 0.85 cm in diameter. This is likely age-related residual prostatic changes and not overtly pathological.

AGE

13 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

25.2 Pounds

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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.7 cm in length. The right kidney measured 4.4 cm in length.

INTERPRETED BY

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

Adrenal Glands

The left and right adrenal glands were ill-defined owing to probable bilateral yet ill-defined adrenomegaly exhibiting asymmetrical to unspecified adrenal borders, nonhomogeneous parenchyma, and definitive evidence of vascular invasion. Pinpoint areas of mineral likely associated with either the left or right adrenal gland parenchyma was present.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

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.

HOSPITAL NAME

Good Hope AH

REFERRING VET

Dr. Kelley

Liver/ Gallbladder

The liver exhibited mild generalized enlargement with evidence of hepatic parenchymal remodeling and multifocal, variably sized to hypoechoic Intraparenchymal nodules. An example of a liver nodule measured 1.0 cm in diameter. The gallbladder was normal in size with mildly prominent to hyperechoic gallbladder walls present. Anechoic content was present in the gallbladder. The cystic and common bile ducts were normal.

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DATE

1.4.2022



PATIENT

Gastrointestinal

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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.

SPECIES

Canine

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.

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

BREED

Beagle

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 were evident.

SEX

Neutered Male

Free Abdomen

AGE

13 years

A large, primarily uniform to mildly nonhomogeneous mass occupying the mid to caudal ventral abdomen was present, measuring approximately 10.0 cm in diameter but likely larger as the entire mass would not fit into a single viewing window. Minor cystic changes associated with the mass parenchyma were noted. No overt effusion or lymphadenopathy was present.

WEIGHT

25.2 Pounds

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Nonhomogeneous mass in area of apical urinary bladder - suspect urinary bladder origin with primary vs. metastatic neoplastic etiologies considered probable
- Bilateral ill-defined adrenal glands with suspect bilateral adrenal masses and definitive evidence of vascular invasion
- Nonspecific hepatic intraparenchymal nodules - hematopoiesis, nodular to regenerative hyperplasia, primary or metastatic neoplastic nodules possible
- Suspect mild chronic cholecystitis
- Large intraabdominal lipoma

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Systemic blood pressure is recommended to evaluate for evidence of systemic hypertension.

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Presentation for the adrenals was consistent with unilateral to bilateral neoplastic etiologies such as functional adrenal tumors, adenocarcinoma, pheochromocytoma, with potential for mixed pathologies.

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Strong concern for the possibility of multi-organ metastatic disease is warranted. Further evaluation with abdominal CT could be considered. However, an unfavorable long-term prognosis is unfortunately indicated.

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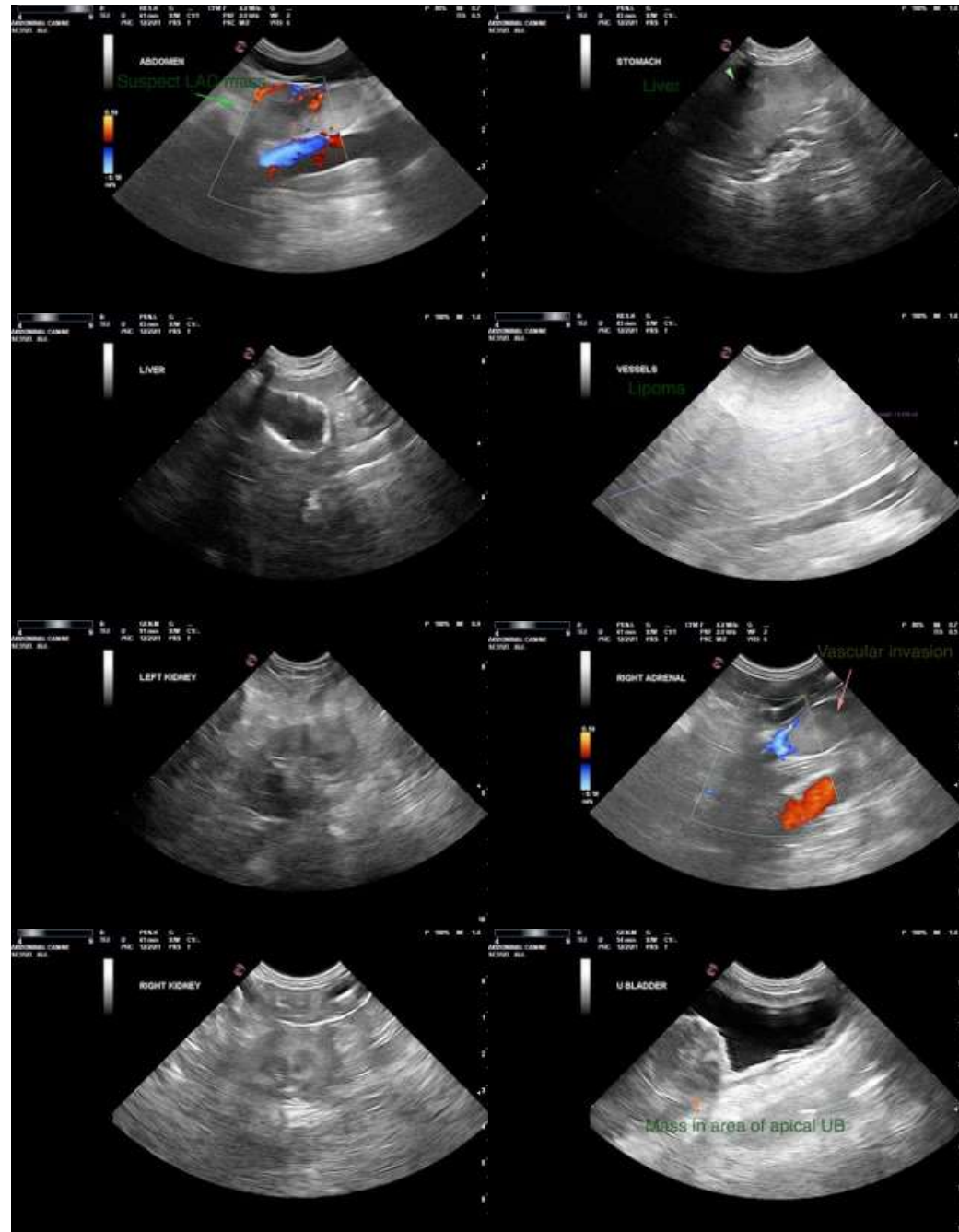
Dr. Kelley

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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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