

PATIENT

Really Dahl

PRESENTING CLINICAL SIGNS

History: not sedated- difficult to scan- not eating, lethargy, weak, distended abdomen, labored breathing, PU/PD. ADR, unresponsive for several hours

SPECIES

Abnormal PE/Chem/CBC/UA Results: RBC 9.2, Hg 22, HCT 61, NEU 12172, Na 151, ALT 127, ALkPHOS 2368, GGT 16, CHOL 394.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

PitBull

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

SEX

Spayed female

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypochoic to the cortex with no evidence of pelvic dilation. A solitary small cranial cyst was noted in the left kidney. The left kidney measured 8.0 cm in length. The right kidney measured 10.0 cm in length.

AGE

8 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

78 pounds

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypochoic parenchyma. The left adrenal gland measured 0.53 cm width at the caudal pole and 0.5 cm width at the cranial pole. Sonographic assessment of the right adrenal gland revealed a non-homogeneous mass measuring approximately 5.2 cm length by 0.28 width exhibiting non-homogeneous mildly hyperechoic parenchyma. No overt evidence parenchymal mineralization was noted. Obvious evidence of vascular invasion was not definitively evident.

INTERPRETED BY

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

Spleen

The spleen exhibited potential for mild generalized enlargement with mild areas of medial capsule asymmetry. Subtle generalized splenic parenchyma heterogeneity with intermittent pinpoint hyperechoic foci was noted. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

IMAGING BY

Loetitia Saint-Jacques,
LVT

HOSPITAL NAME

Options Veterinary Clinic

Liver

The liver presented with marked generalized enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. Some evidence of hepatic vascular congestion likely owing to sedation was present. The hepatic and portal vasculature were normal in appearance without signs of congestion. A non-homogeneous hyperechoic to cystic parenchymal nodule noted in the mid liver measuring 2.0 cm in diameter. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

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Really Dahl **Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate echogenic, nonshadowing ingesta without signs of 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.

BREED

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

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

Spayed female **Free Abdomen**

No overt lymphadenopathy. Nonspecific scant pockets of peritoneal effusion were present.

AGE

8 years

ULTRASONOGRAPHIC FINDINGS

- Right adrenal mass.
- Hepatomegaly with solitary nonhomogeneous to cystic parenchymal nodule.
- Gastric ingesta-probable post prandial presentation.
- Mild splenic parenchyma heterogeneity with intermittent pinpoint hyperechoic foci-subjectively benign.

WEIGHT

78 pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Generalized considerations for the right adrenal mass may include functional/nonfunctional adenomatous change, hyperplasia with neoplastic criteria favored such as adenocarcinoma, pheochromocytoma or other. Screening BP recommended to assess for evidence of hypertension. If clinical signs consistent with hyperadrenocorticism are present a fell adrenal workup is recommended.

IMAGING BY

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LVT

The overall appearance of the liver was suggestive of benign hepatomegaly. The nodule may indicate focal area of nodular to regenerative hyperplasia, small cystic biliary adenoma or lipogranuloma, while the possibility of focal metastatic disease cannot be excluded.

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If documented NPO the presence of gastric ingesta may suggest some degree of metabolic gastric stasis given the reported inappetence. Ideally CT assessment of the right adrenal mass as well as non sonographically evident metastasis is recommended.

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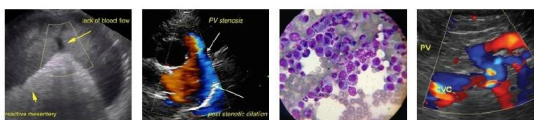
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Portable Animal Wellness Sonography, Inc.

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PitBull

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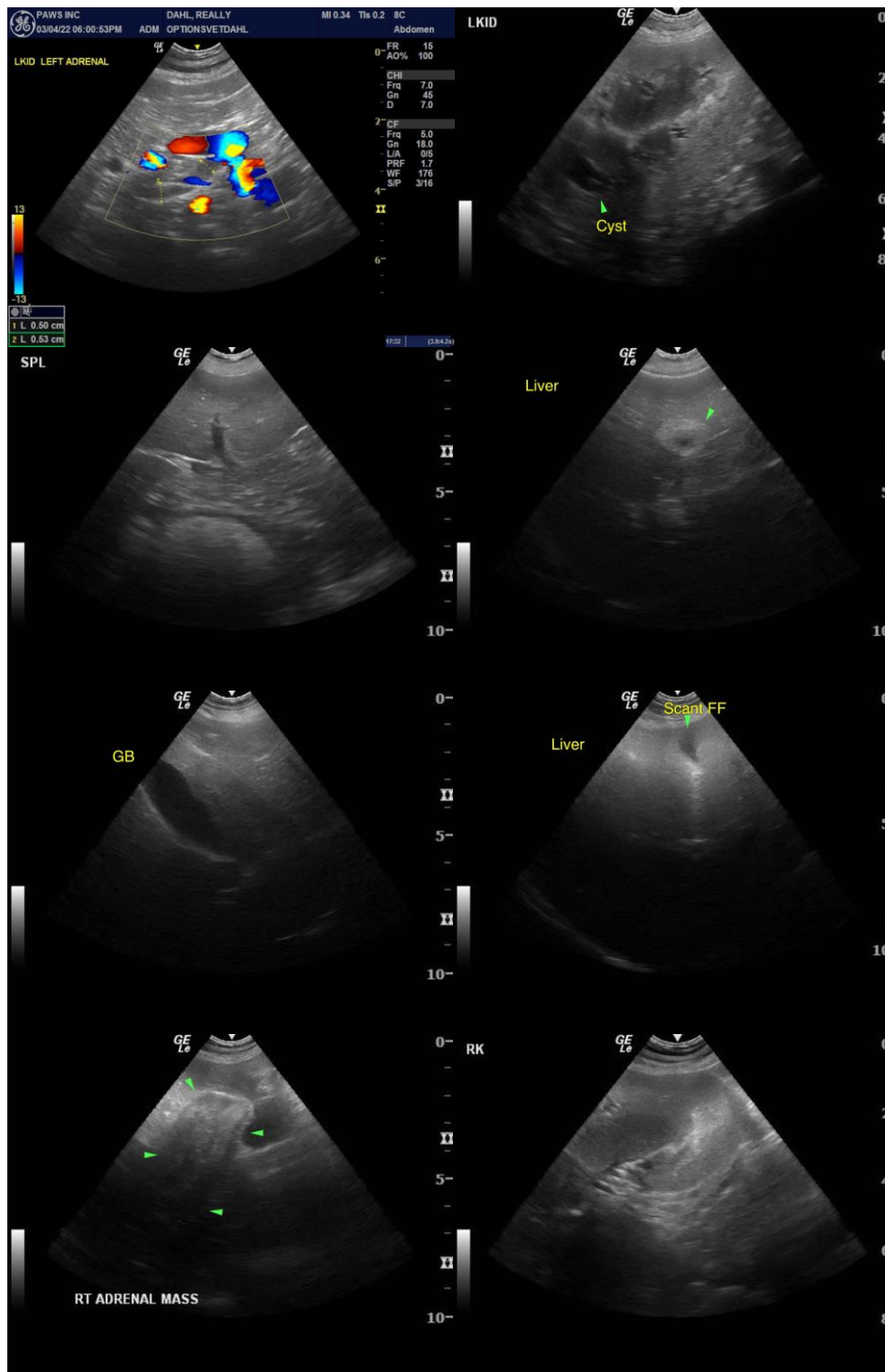
Dr. Jeffrey Pearson

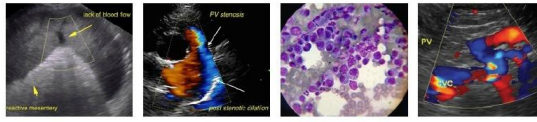
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SPECIES

Canine

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

BREED

PitBull

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

SEX

Spayed female

AGE

8 years

WEIGHT

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