



PATIENT PRESENTING CLINICAL SIGNS

Ralph Pugh
 Ralph presented for evaluation of skin tags which the owner would like removed. BW showed elevated ALP 817. Abdominal ultrasound prior to surgery.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine *Urinary System*

BREED

Coonhound

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.

SEX

MN

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.94 cm in width.

No evidence of pathology in the area of the aortic trifurcation.

AGE

9 Years

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 hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 7.8 cm in length. The right kidney measured 7.8 cm in length.

WEIGHT

86.6 lbs

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.54 cm width at the caudal pole and 0.54 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.60 cm width at the caudal pole and 0.52 cm width at the cranial pole. No evidence of adrenal hyperplasia or neoplasia.

INTERPRETED BY

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

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

Airport Animal
 Hospital

Liver

REFERRING VET

Asha Gudluru

The liver exhibited subjective mild 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. The hepatic and portal vasculature were normal in appearance without signs of congestion.

INVOICE

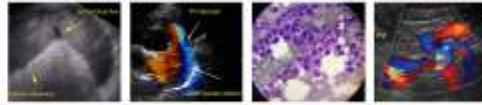
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The gallbladder was non distended in size with mild echogenic, nonmineralized gallbladder debris. No evidence of inflammatory gallbladder criteria. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal

DATE

12-12-21



PATIENT
Ralph Pugh
The stomach presented intact wall layering with a normal wall layer ratio. Mild echogenic to focally shadowing ingesta present in the pylorus lumen. No evidence of ileus, obstruction or foreign material. The gastric body wall measured 0.46 cm width.

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. The duodenum wall measured 0.42 cm width. The jejunum wall measured up to 0.54 cm width.

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

BREED
Coonhound
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
MN
Free Abdomen
No overt lymphadenopathy or peritoneal effusion was present.

AGE
9 Years
ULTRASONOGRAPHIC FINDINGS

WEIGHT
86.6 lbs
Primary

- Hepatopathy - subjectively benign.
- Mild gallbladder debris (nonmucocele).

Secondary

- Mild gastric ingesta.

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Feline)

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the liver was nonspecific yet consistent with benign hepatopathy. Primary consideration for idiopathic vacuolar hepatopathy and potential for mild nonclinical cholestasis, given the ALP elevation and presence of mild gallbladder debris. Nonspecific inflammatory hepatopathy such as cholangiohepatitis possible although thought less likely. No evidence of hepatic neoplastic criteria.

Assuming normal clotting status, ultrasound guided FNA of the liver could be considered for screening cytology. No overt indication of underlying adrenal disease given the appearance of the liver, adrenal glands, and lack of reported clinical signs.

No anesthetic contraindications, assuming normal albumin, glucose, cholesterol, and BUN levels.

Hepatosupportive medications including denamarin and ursodiol may prove beneficial.



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SPECIES

Canine

BREED

Coonhound

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 DABVP (Canine and Feline)

IMAGING PERFORMED BY

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HOSPITAL NAME

Airport Animal Hospital

REFERRING VET

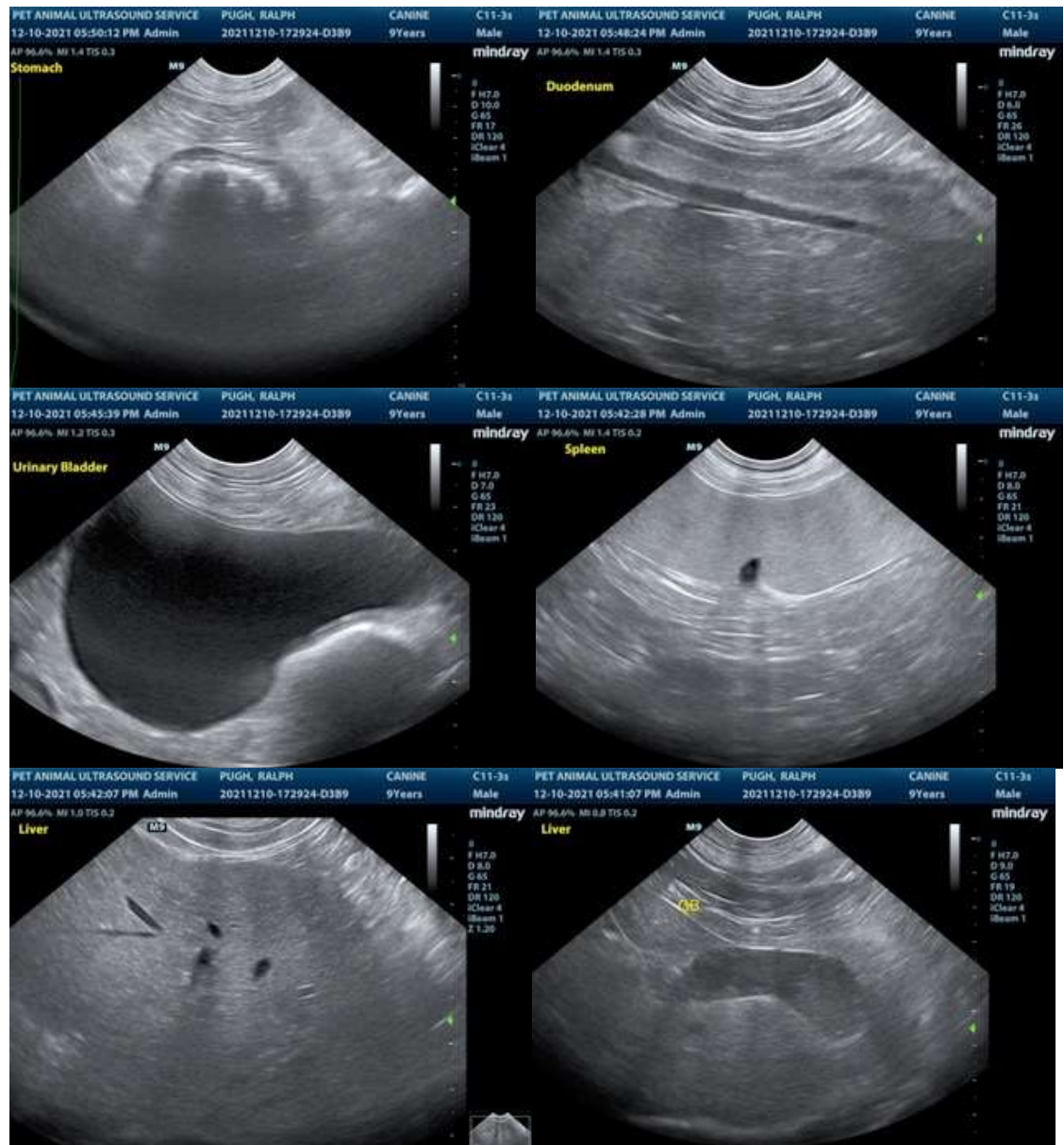
Asha Gudluru

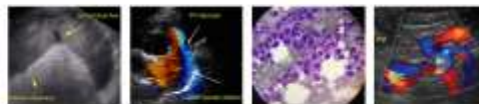
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PATIENT

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SPECIES

Canine

BREED

Coonhound

SEX

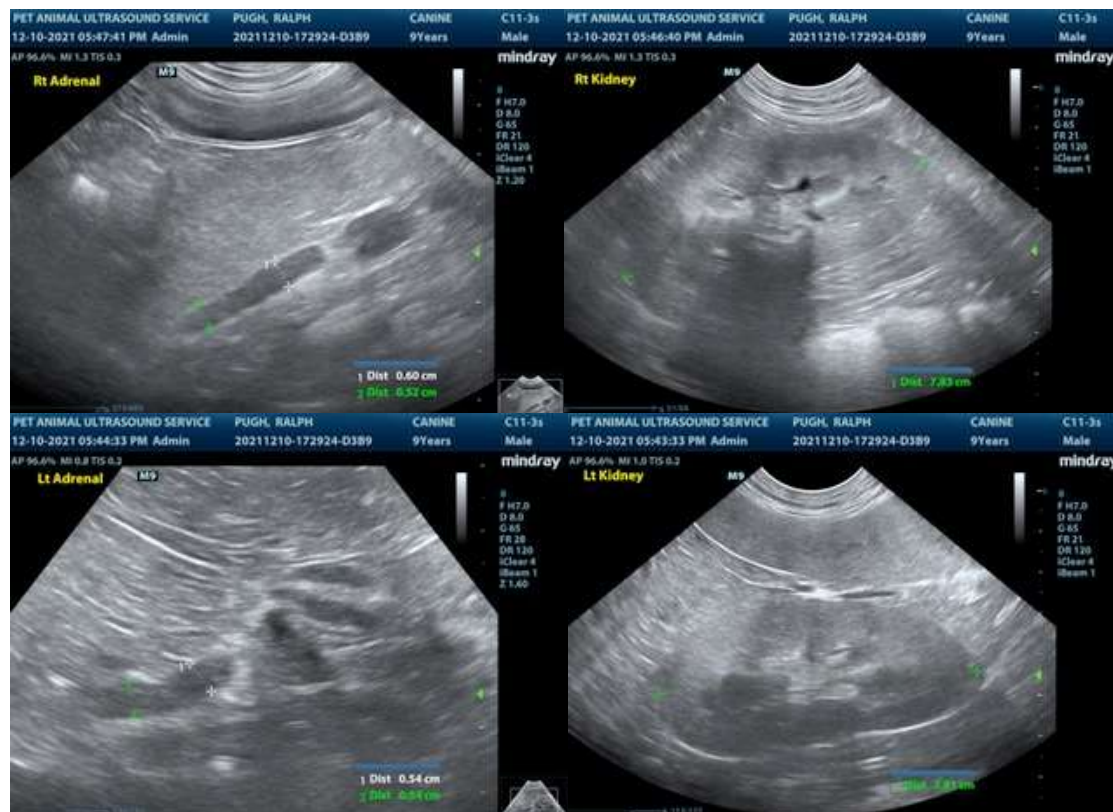
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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