



PATIENT PRESENTING CLINICAL SIGNS

Opie Harris Distended abdomen with fluid; can ballot a mass(? Murmur - G4 Sound clear - no cough O wants a u/s to determine the issue in the abdomen; if mass, then palliative. If ascites from heart, then try diuretics.
SPECIES Discussed concerns about liver and early renal -- hold on Denamarin Low dose of Vetprofen for comfort -- O says this is helping Current Medications Vetprofen 25 mg 1 tablet SID

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Shih Tzu X

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

Neutered Male

The residual prostate was sonographically unremarkable.

AGE

10 Years

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.6 cm. The right kidney measured 5.0 cm.

WEIGHT

21.6 Pounds

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

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

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.7 cm length x 0.64 cm at the caudal pole. The right adrenal gland was mildly enlarged in size with asymmetrical contour and mild non-homogeneous yet non-mineralized parenchyma. The right adrenal gland measured 2.1 cm x 1.1 cm. Potential areas of parenchymal expansion into the areas of the phrenicoabdominal vein.

IMAGING PERFORMED BY

Jenna Walsh

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

Pleasant Hill AH

REFERRING VET

Dr. Larsen

Liver

The liver was subjectively normal in size, structure, and contour. 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. The gallbladder was non distended in size with mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

INVOICE

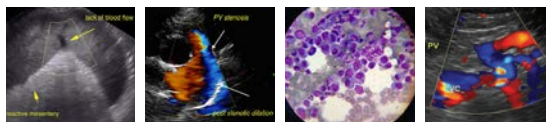
26407

DATE

10/20/21

Gastrointestinal

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

Opie Harris

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.

SPECIES

Canine

Pancreas

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

BREED

Shih Tzu X

Free Abdomen

No peritoneal masses, lymphadenopathy, or effusion/ascites. Subjective increased amount of omental fat present.

SEX

Neutered Male

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

AGE

10 Years

- Mild asymmetrical right adrenomegaly – concern for potential early phrenicoabdominal vein invasion.

WEIGHT

21.6 Pounds

- Mild age related hepatosplenic changes – subjectively benign.
- Mild gallbladder debris (non-mucocele)
- Mild age related kidneys
- Heterogeneous pancreas – probable age related pancreatic changes, likely incidental.

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(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The right adrenal gland was non-specific with considerations including adenomatous change, benign hyperplasia, with concern for potential emerging right adrenal neoplasia such as pheochromocytoma, adenocarcinoma, or other, with potential for early phrenicoabdominal vein invasion. Otherwise, essentially mild geriatric abdomen without evidence of additional visceral pathology, including no evidence of intraabdominal masses or effusion. Further assessment of the right adrenal gland may include CT for further assessment and potential surgical planning if clinically indicated. However, screening blood pressures, urine catecholamine levels (if evidence of hypertension), and/or sonographic monitoring would be reasonable.

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SPECIES

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BREED

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SEX

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AGE

10 Years

WEIGHT

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PATIENT

Opie Harris

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

Shih Tzu X

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

SEX

Neutered Male

AGE

10 Years

WEIGHT

21.6 Pounds

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