

PATIENT PRESENTING CLINICAL SIGNS

Otis Fontanella Owner suspects abdominal pain. Normal bloodwork. Enlarged lymph nodes on exam. Has aural hematoma.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED The urinary bladder 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.

Pit Bull X

SEX

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 1.1 cm diameter.

Neutered Male

AGE

Normal size and margination was 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. The left kidney measured 8.1 cm with minor pyelectasia. The right kidney measured 7.2 cm.

11 Years

Adrenal Glands

WEIGHT

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.80 cm at the cranial pole and 0.74 cm at the caudal pole. The right adrenal gland measured 0.94 cm at the cranial pole and 0.86 cm at the caudal pole.

87.5 Pounds

Spleen

INTERPRETED BY

The spleen exhibited subjective mild generalized enlargement with primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. Subtle indistinct to mildly echogenic, non-expansive nodule noted in the subjective craniomedial spleen measuring 1.0 cm diameter. 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.

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

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

Liver

HOSPITAL NAME

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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.

Norfolk County VS

REFERRING VET

Dr. Amelia Ragon

Gastrointestinal

INVOICE

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate echogenic ingesta with progressive distal acoustic shadowing, most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

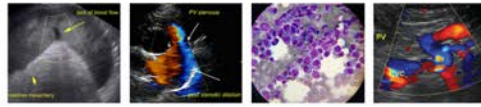
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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Duodenum wall measured 0.47 cm. Jejunum wall measured 0.32 cm.

DATE

8/19/21

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



PATIENT *Pancreas*

Otis Fontanella 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.

SPECIES *Free Abdomen*

Canine Several, mildly prominent to enlarged medial iliac and intermittent mesenteric lymph nodes were present. Example of medial iliac lymph node measured 1.2 cm diameter. Example of mesenteric lymph node measured 0.60 cm. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED

Pit Bull X

SEX

No evidence of intraabdominal masses or effusion.

Neutered Male

ULTRASONOGRAPHIC FINDINGS

AGE

11 Years

- Subjective mild generalized splenomegaly with focal indistinct, non-specific nodule – hyperplasia, hematopoiesis, patient variant, incidental splenitis with focal area of emerging myelolipoma, or nodular hyperplasia with less likely potential for splenic neoplasia.
- Gastric ingesta – post-prandial presentation likely, minor potential for gastric hypomotility if documented NPO.
- Intermittent, subjectively benign, mild medial iliac and mesenteric lymphadenopathy – no overt evidence of neoplastic criteria, incidental or non-specific lymphoid hyperplasia or minor reactive lymphadenitis likely.
- Mild non-specific left kidney pyelectasia – potentially owing to early chronic renal changes, pelvic scarring, IV fluid therapy (if applicable), without overt evidence of pyelonephritis.
- Mild gallbladder debris (non-mucocele)

WEIGHT

87.5 Pounds

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

Assuming normal clotting status and using 25-gauge needle, splenic FNA is warranted, primarily to ensure only benign or reactive changes are present and rule out unlikely neoplasia. Peripheral lymph node FNA may be considered for screening cytology with sonographic monitoring of the medial iliac and mesenteric lymph nodes +/- medial iliac FNA if clinically indicated. Overall, an obvious cause of abdominal pain was not definitively evident. Thorough musculoskeletal and neurological examination suggested if not done.

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PATIENT

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SPECIES

Canine

BREED

Pit Bull X

SEX

Neutered Male

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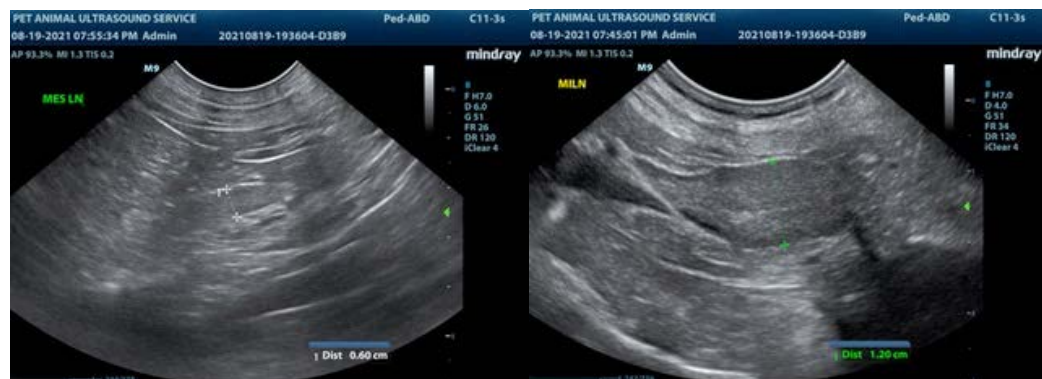
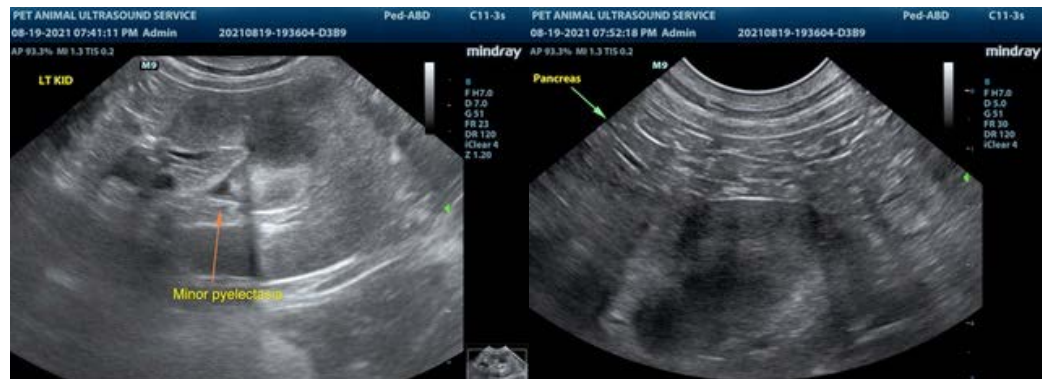
Dr. Amelia Ragon

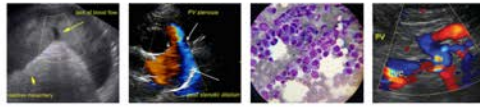
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PATIENT

Otis Fontanella

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

Pit Bull X

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SEX

Neutered Male

AGE

11 Years

WEIGHT

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