

**PATIENT PRESENTING CLINICAL SIGNS**

Pee Wee Figueroa Elevated liver values. T4 4.0, AST 118, ALT 564, ALP 242, Total bilirubin 1.5. Current medications: Ursodiol 100mg/ml 0.3 ML BID, Denamarin 90mg 1 tab SID.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Feline **Urinary System**

**BREED**

DSH

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**

Neutered Male

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. No evidence of pelvic dilation was present. The left kidney measured 3.2 cm. The right kidney measured 3.3 cm. A small caudolateral cyst was noted in the right kidney measuring 0.63 cm in diameter.

**AGE**

17 Years

**Adrenal Glands**

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adreal gland measured 0.41 cm. The right adrenal gland measured 0.37 cm.

**WEIGHT**

9.3 Pounds

**Spleen**

The spleen was enlarged with folding. Areas of asymmetrical lateral and medial capsule contour were noted, suspect secondary to areas of parenchymal expansion. Maintined homogeneous splenic parenchyma exhibiting subjective reduced splenic parenchyma echogenicity. No masses or nodules noted. The spleen measured 1.8 cm in width at the level of the hilus.

**INTERPRETED BY**

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

**Liver**

The liver was mildly to possibly moderately enlarged. 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. No evidence of hepatic vascular congestive criteria. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

East Boston AH

**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.

**REFERRING VET**

Dr. Raman Chopra

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.

**INVOICE**

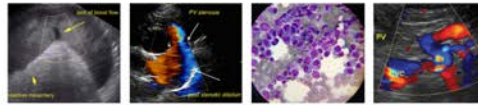
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**Pancreas**

The left limb, right limb, and base of the pancreas presented hypoechoic to heterogeneous echogenicity compared to adjacent omental fat. Mild asymmetrical capsule margination was present with mild variable parenchymal swelling and mild peripancreatic inflammation. No overt evidence of neoplasia.

**DATE**

12/3/22



**PATIENT** *Free Abdomen*

Pee Wee Figueroa

Several enlarged mid abdominal mesenteric lymph nodes were present. Example measured 2.3 cm x 0.90 cm. These lymph nodes were homogenous, mildly hypoechoic and smoothly margined. A normal width: length ratio was maintained (<0.5). Evidence of perilymphatic inflammation was evident.

**SPECIES**

Feline

Peritoneal effusion was present. Concurrent pleural effusion was present with reported overtly normal cardiac structure and function. Both the peritoneal and pleural effusion was primarily anechoic with subtle echogenic changes, suggestive of potential subtle to mild fluid cellularity.

**BREED**

DSH

No overt evidence of thoracic cavity masses in the visible window.

**SEX**

Neutered Male

**PRIMARY FINDINGS**

- Hepatosplenomegaly
- Mesenteric lymphadenopathy
- Mild pancreatitis pattern
- Overtly normal gastrointestinal tract
- Bi-cavitary effusion (non-cardiogenic)

**AGE**

17 Years

**SECONDARY FINDINGS**

- Bilateral chronic renal changes with right kidney cortical cyst

**WEIGHT**

9.3 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Although sampling is required for further prognosis, primary concern for underlying neoplastic criteria involving the spleen, liver, potential mesenteric lymph nodes with secondary non-cardiogenic bi-cavitary effusion potentially secondary to lymphatic obstruction, carcinomatosis, lymphomatosis or similar.

**INTERPRETED BY**

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 DABVP (Canine and Feline)

Assuming normal clotting status, hepatosplenic FNA cytology using 25-gauge needle recommended as well as effusion analysis, cytology +/- culture and sensitivity if clinically indicated. FNA cytology of an enlarged mesenteric lymph node could also be considered yet may potentially be unrewarding, given overall lymph node size. Guarded to potentially unfavorable prognosis pending additional diagnostics.

**IMAGING PERFORMED BY**

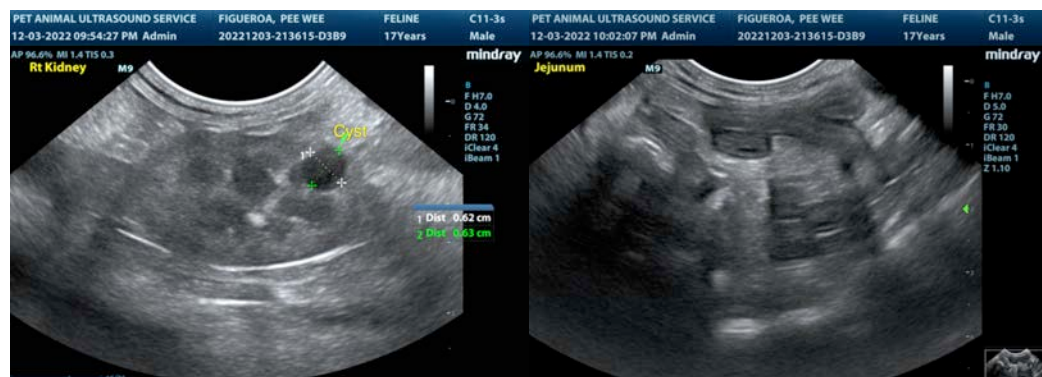
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**REFERRING VET**

Dr. Raman Chopra

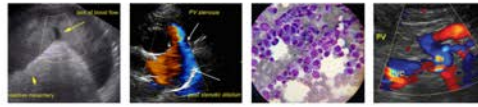


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**PATIENT**

Pee Wee Figueroa

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

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**WEIGHT**

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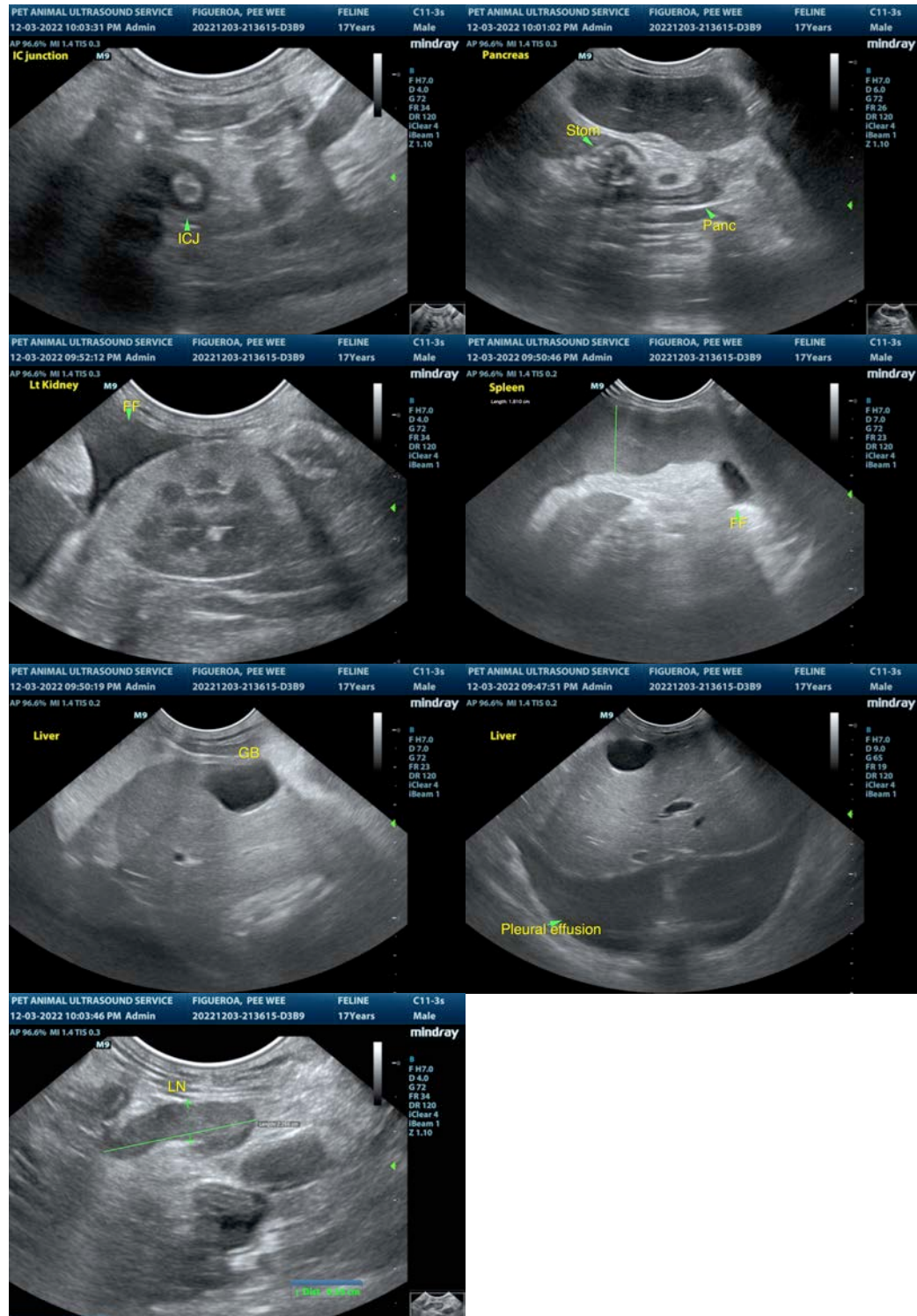
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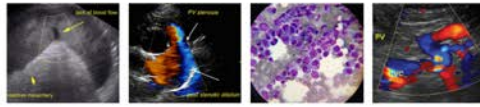
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**PATIENT**

Pee Wee Figueroa

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**

Feline

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**

DSH

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
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**SEX**

Neutered Male

**AGE**

17 Years

**WEIGHT**

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