



**PATIENT**

Milo Ponce

**SPECIES**

Canine

**BREED**

Chow Chow

**SEX**

Male - Intact

**AGE**

2

**WEIGHT**

17.2 kg

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Focused Ultrasound  
Resources

**HOSPITAL NAME**

Focused Ultrasound  
Resources

**REFERRING VET**

Veterinary Emergency  
Group

**INVOICE**

49409

**DATE**

1-8-22

**PRESENTING CLINICAL SIGNS**

ANOREXIA/VOMITING X 2 DAYS, NO CONCERN FOR FB  
Abnormal PE/Chem/CBC/UA Results: BUN:6, MCV:60, RET HEM:21.3, NEUT: 14.6, LYMP:0.9, EOSIN: 0.2, PLAT:103, MPV:14.6

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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.

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 3.8 cm x 3.3 cm.

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

Normal size and margination was 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 6.4 cm in length. The right kidney measured 6.3 cm in length.

*Adrenal Glands*

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm width at the caudal pole and 0.44 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 0.62 cm width at the caudal pole and 0.60 cm width at the cranial pole.

*Spleen*

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

*Liver / Gallbladder*

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 primarily dependent, nonorganized, particulate gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation. No evidence of gallbladder or peripheral gallbladder inflammation.

*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. The gastric body wall width measured 0.37 cm. The pylorus wall measured 0.45 cm width.



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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 evidence of mechanical / metabolic small intestinal ileus, obstruction, or overt foreign material. The duodenum wall width measured 0.33 cm.

**SPECIES**

Canine

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.

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Chow Chow

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**SEX**

Male - Intact

The left and right testicles exhibited normal subjective structure, size, and symmetry. The left testicle measured 2.5 cm in length and the right testicle measured 2.4 cm in length.

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

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- Overtly normal gastrointestinal tract.
- Benign prostatic hyperplasia - potential for prostatitis which may present sonographically similar possible yet thought less likely.
- Mild gallbladder debris (nonmucocele) - likely incidental, potentially secondary to decreased food intake or nonclinical cholestasis.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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Overall, no overt evidence of significant visceral pathology specifically no evidence of structural gastrointestinal pathology i.e., mural changes, mechanical/metabolic ileus, or obstruction pattern, overt foreign material, etc., dietary indiscretion / food intolerance, structurally insignificant acute inflammatory bowel episode/gastroenteritis possible. Empirical therapy for gastroenteritis warranted. Low grade to chronic pancreatitis which may present sonographically normal, IBD, or other enteropathy may be considered if persistent/recurrent gastrointestinal signs.

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The testicles were reported to be inflamed / hyperthermic in this patient. Overt evidence of testicular inflammation or other pathology was not appreciated. Correlation with clinical history recommended.

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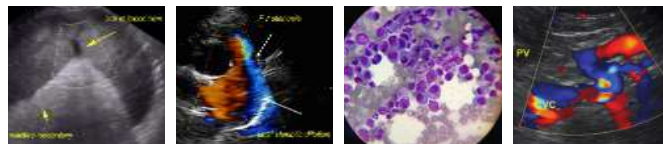
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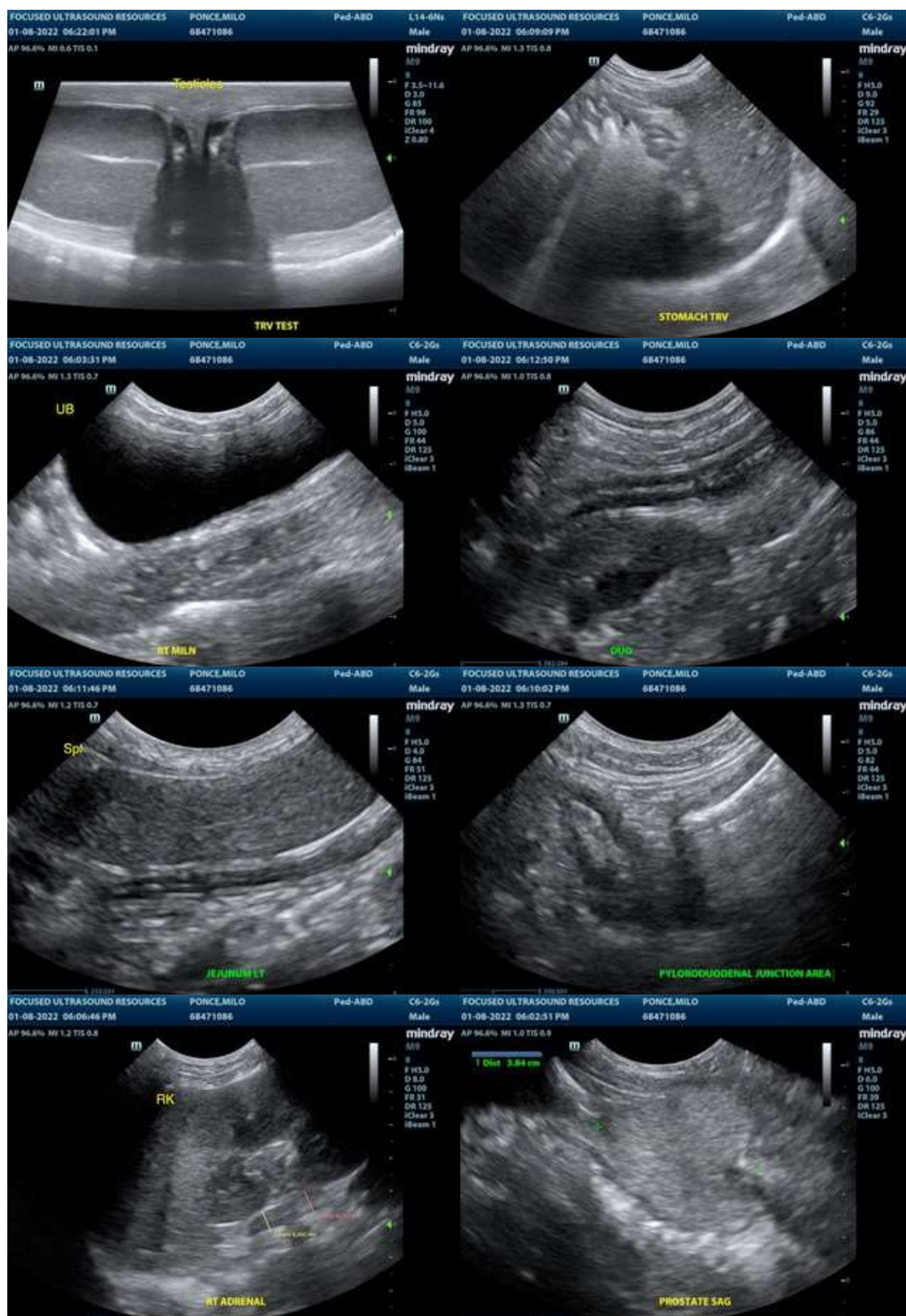
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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