



PATIENT

Roxy Perisse

SPECIES

Canine

BREED

American Pit Bull Terrier

SEX

Spayed Female

AGE

10 Years 11 Months

WEIGHT

79.4 Pounds

PRESENTING CLINICAL SIGNS

Focal area of anechoic fluid in left mid abdomen surrounded by soft tissue- determine origin of suspect lesion. Current meds: Trazadone 1--mg, SMZ-TMP Tablets 96-, Apoquel 11mg, Dosequin (pet would not eat/take this week)

Abnormal PE/Chem/CBC/UA Results: marked hemo concentration

ULTRASONOGRAPHIC EXAMINATION OF THE HEART & ABDOMEN

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT			1.0	1.1	39.4	73.3	0.11
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	165	1.2	0.8		2.8	3.3	

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

North Warren AH

REFERRING VET

Dr. Corrado

INVOICE

33303

DATE

12/6/21

Cardiac Presentation

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral valve** leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented subjective increased thicknesses with mild alinear contour and was not dilated nor restricted. Subtle evidence of prominent papillary muscles was noted in the left ventricular lumen. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum** and **pericardial and extra-cardiac regions** were free of masses in the visible window.

Urinary System

The urinary bladder was subnormal in size owing to lack of urine distention. Full evaluation of the urinary bladder was limited owing to lack of urine distention. Potential for echogenic sediment within the urinary bladder possible, while a urinary bladder mass (Although considered unlikely) cannot be definitively excluded. Further evaluation of a full urinary bladder is recommended. The urethra was normal to a depth of 3.0 cm.



PATIENT	The area of the aortic trifurcation was free of pathology.
Roxy Perisse	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 6.5 cm. The right kidney measured 7.0 cm.
SPECIES	
Canine	Adrenal Glands
BREED	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm at the cranial pole and 0.71 cm at the caudal pole. The right adrenal gland was not definitively visualized owing to regional omental artifact.
American Pit Bull Terrier	Spleen
SEX	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.
Spayed Female	
AGE	
10 Years 11 Months	Liver
WEIGHT	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 moderate non-organized, non-dependent, echogenic debris. The cystic duct and common bile ducts were normal without evidence of dilation.
79.4 Pounds	
INTERPRETED BY	Gastrointestinal
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The visualized gastric walls were sonographically unremarkable. The lumen of the stomach contained moderate retained echogenic to shadowing ingesta. Ventral gastric body wall measured 0.50 cm.
IMAGING PERFORMED BY	Sonographic assessment of the small intestine was limited owing to regional increased omental artifact. Visualized segments of small intestine exhibited potentially prominent to indistinct wall layering with areas of jejunal ileus and subjective mild corrugation. Jejunum wall measured up to 0.7 cm in width subjectively. No overt lymphadenopathy.
Jessica Miller	
HOSPITAL NAME	The colon walls presented intact yet prominent wall layering with mild thickened to echogenic submucosa. Nonformed to liquid fecal matter was present in the colon lumen with lumen dilation.
North Warren AH	
REFERRING VET	Pancreas
Dr. Corrado	Sonographic assessment of the pancreas was limited owing to regional peripancreatic reactive mesentery. Potential for pancreatic pathology cannot be definitively excluded.
INVOICE	Free Abdomen
33303	Generalized mildly non-uniform increased omental echogenicity noted along with moderate subjectively mildly cellular peritoneal free fluid.
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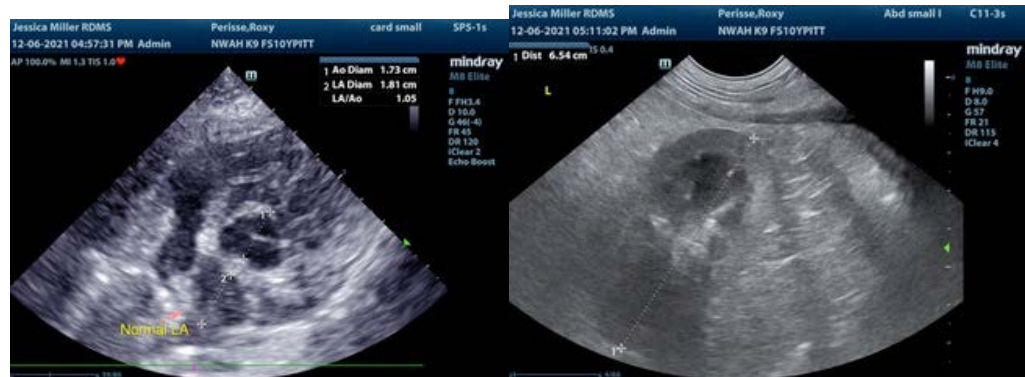
Dr. Corrado

ULTRASONOGRAPHIC FINDINGS

- Overtly normal cardiac function
- Subjective left ventricular increased thickness – suspect pseudohypertrophy owing to decreased vascular volume given the hemoconcentration.
- Normal left atrium
- Generalized peritonitis exhibited by mildly non-uniform hyperechoic mesentery and cellular free fluid
- Subnormal urinary bladder
- Retained gastric ingesta
- Non-specific enteritis pattern – potential for inflammatory or neoplastic enteropathy.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend abdominocentesis, fluid cytology +/- culture and sensitivity if evidence of inflammatory cells is present. Non-septic, septic, or potential neoplastic effusion possible such as carcinomatosis, lymphomatosis or similar (non-septic effusion may be considered less likely assuming normal albumin levels). No evidence of cardiogenic effusion noted given the normal right atrium and lack of hepatic congestion. Additionally, no evidence of hepatosplenic neoplasia noted. Guarded prognosis pending effusion diagnostics.



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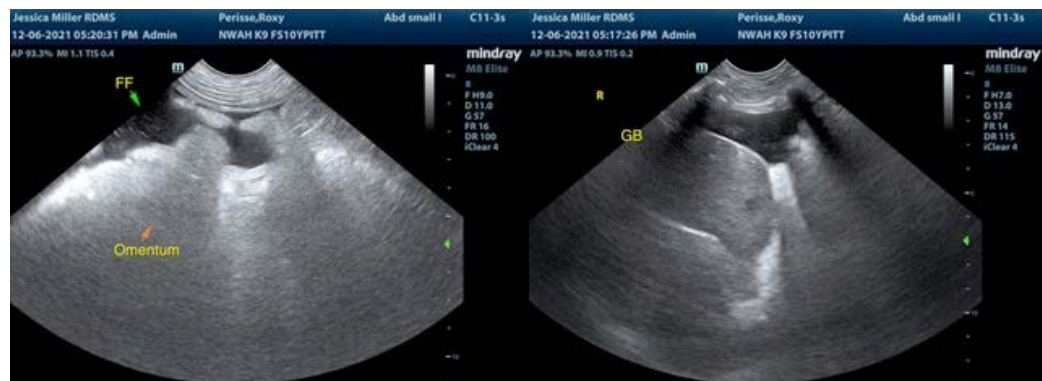
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@SonoPath.com

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