



## PATIENT PRESENTING CLINICAL SIGNS

**PATIENT** Roxy Scott  
**SPECIES** Canine  
**BREED** Parsons Terrier  
**SEX** Spayed Female  
**AGE** 7 Years 8 Months  
**WEIGHT** 21 Pounds

History: 12/1/22 Presented for ataxic gait. Stumbles and falls while walking. Currently on Phenobarbital, Keppra, Potassium Bromide, and Zonisamide for seizure control. Radiographs reveal BV pattern in dorso-caudal thorax. Lateral abdominal view shows enlarged liver. Heart/Lungs auscultate normal. Baseline echo to rule out abnormal cardiac function as reason for ataxia and if heart medications may be warranted.

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	<1.3	28-40	40-100	<0.6
<b>PATIENT</b>	--	--	1.2	1.3	44.5	77.8	0.2
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)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	150	1.5	1.2	--	2.6	2.6	--

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Kim Liedberg

## HOSPITAL NAME

SVS Imaging WI

## REFERRING VET

Dr. Rudawski

## INVOICE

20109

## DATE

12/15/22

## 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 thicknesses with linear contour and was not dilated nor restricted. 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. No evidence of arrhythmia.

## ULTRASONOGRAPHIC FINDINGS

- Normal echocardiogram



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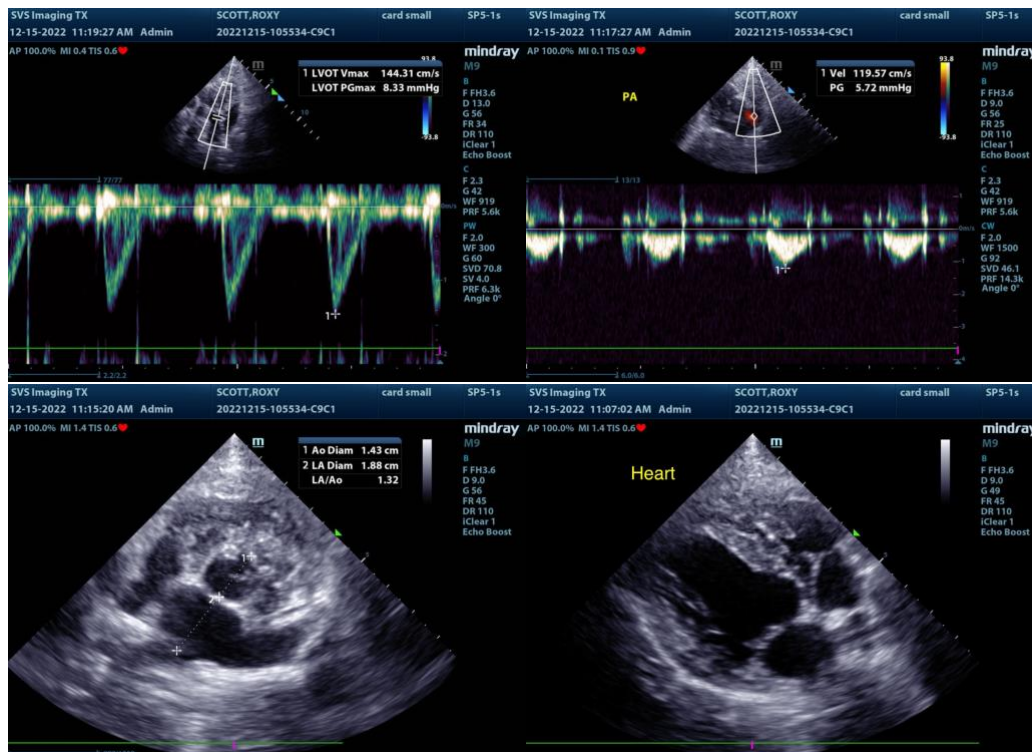
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overtly normal cardiac structure and function without evidence of clinical issues, such as left or right heart chamber enlargement, LV systolic dysfunction, arrhythmia or clinical pulmonary hypertension. NO evidence of a cardiogenic component to the patients clinical signs. No indication for cardiac medications. Assessment of systemic BP may be considered.



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.

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