



**PATIENT**

Dusty Rodriguez

**SPECIES**

Canine

**BREED**

Siberian Husky

**SEX**

Male

**AGE**

8 Years

**WEIGHT**

84 Pounds

**INTERPRETED BY**

Sara Brethel DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Dr. Gabriel Ferrer, DVM

**HOSPITAL NAME**

Pulse Pet Ultrasound  
Services

**REFERRING VET**

Dra. Marilyn Davila

**INVOICE**

35031

**DATE**

12/22/25

**PRESENTING CLINICAL SIGNS**

History: Presented as a referral for an echocardiogram to evaluate chronic coughing. Pt develop coughing every 3 months. Previously on medications Amoxicillin, Temaril P and Theophylline and improves but then relapses. Pt unable to stand or walk long distances (cyanotic when walking dry hacking cough). currently taking Doxycycline, Cerenia and Temaril P.

Abnormal PE/Chem/CBC/UA Results: PE: increase RR and effort. Bloodwork attached as supporting 4DX: neg to all.

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	NM	1.44	41.77	--	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	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	--	1.15	1.2	38.18	3.14	3.95	2.3

**Cardiac Presentation**

The mitral valve leaflets are normal and there is no mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Structurally normal heart



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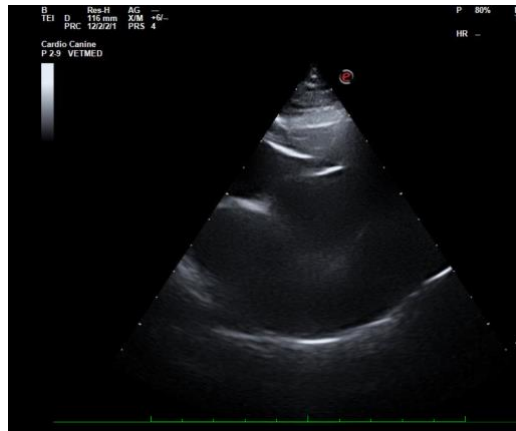
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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The heart appears structurally normal and the cause of the cough is not identified. Recommend obtaining chest radiographs if they haven't already been obtained and continued investigation into a respiratory cause for the patient's coughing. If there is a strong suspicion for heartworm disease, also recommend a heat-treated sample to the lab. A recheck echo is not needed unless the patient develops a heart murmur or an arrhythmia.



**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Sara Brethel DVM, DACVIM (Cardiology)

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