



**PATIENT**

Paisley 52659118 HS  
of Central Oregon

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

Female Spayed

**AGE**

10 months

**WEIGHT**

40.8lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

P. Mayfield, DVM

**HOSPITAL NAME**

Humane Society of  
Central Oregon

**REFERRING VET**

Dr. Bloodworth

**PRESENTING CLINICAL SIGNS**

History: Cardiomegaly appreciated on radiographs that were taken due to lameness. Patient has since been spayed and had no anesthetic events that were concerning. No cough or heart murmur appreciated. Sedated with Gabapentin, Trazodone, and butorphanol.

-Radiographs: No significant findings of the spine, hips, or stifles. Abdomen grossly normal, empty GI tract. Cardiomegaly appreciated with dorsal deviation of the trachea. Vertebral heart score: 11.5.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. Trivial mitral regurgitation with a normal left atrial dimension. Normal LV diameter (LVIDdN: 1.65, LVIDsN: 1.1) with borderline systolic dysfunction. The tricuspid valve appears normal with trivial tricuspid regurgitation. Normal velocity. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

**CARDIAC CHART**

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	<1.6	28-40	40-100	<0.6
<b>PATIENT</b>	NM	2.3	1.2	1.3	2.6	50	0.5
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	BELOW	BELOW	BELOW	BELOW
<b>PATIENT</b>	NM	1.5	0.9	18.5	2.7	3.9	2.9
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overtly normal cardiac dimensions and function. It is worth noting that the LV dimensions and function are both borderline and follow up is recommended. A normal variant is suspected; however, monitoring for possible contributing issues is advised (such as an atypical diet). No significant valvular leaks are visualized, and no evidence of pulmonary hypertension. No congenital abnormalities are documented.

**INVOICE**

31706

**DATE**

7/6/23



**PATIENT**

Paisley 52659118 HS  
of Central Oregon

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

Female Spayed

**AGE**

10 months

**WEIGHT**

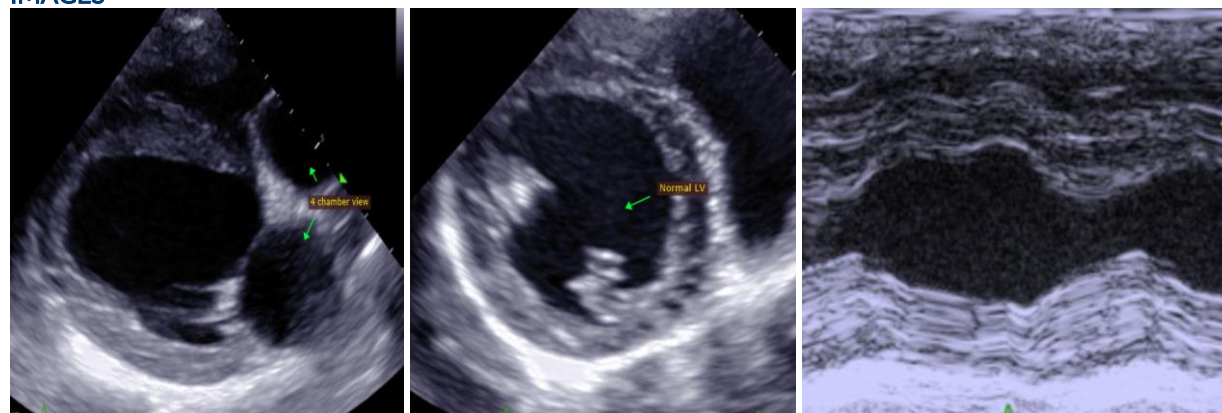
40.8lbs

These findings would suggest cardiomegaly on films is likely a normal variant. These films should be used as a baseline for future comparison. Reassessing both films and an echo in 1 year is recommended to ensure no progression is seen.

Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes.

A recheck echocardiogram is recommended in 1 year as discussed.

**IMAGES**



**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

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. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

**IMAGING PERFORMED BY**

P. Mayfield, DVM

Maggie Machen Lamy, DVM  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com

**HOSPITAL NAME**

Humane Society of  
Central Oregon

**REFERRING VET**

Dr. Bloodworth

**INVOICE**

31706

**DATE**

7/6/23