



**PATIENT**

Denali Mattson

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

Female Spayed

**AGE**

2 years

**WEIGHT**

35.9lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Sara Burns, DVM

**HOSPITAL NAME**

Wilvet Salem

**REFERRING VET**

Dr. Burns

**INVOICE**

46264

**DATE**

12/18/25

**PRESENTING CLINICAL SIGNS**

History: 3 collapsing episodes over the last 3 months; 2 episodes in the last 24-48 hours. Collapsed in our lobby after examination. Grade 5/6 heart murmur.

-Abnormal PE/Chem/CBC/UA Results: CBC: HCT 51.8 (N), WBC 28.59 (H), Neut 13.11 (H), Lymph 3.49 (N), Mono 1.09 (N), Eos 10.85 (H)\*\* Chem10: ALT 253 (H).

-CXR showed mild LA enlargement. No CHF.

Sedated with 0.2mg/kg butorphanol, 100mg gabapentin and 100mg trazodone

**ECHOCARDIOGRAM FINDINGS**

Limited image set provided. What can be said is the LV dimension is normal with borderline dysfunction. The LA is mildly enlarged. Valve regurgitation is not ruled out without accurate use of color doppler. The patient is markedly bradycardic throughout the study.

**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)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NM	NM	NM	1.6	26	50	NM
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	BELOW	BELOW	BELOW	BELOW
PATIENT	NM	NM	1.5	16.3	2.7	3.1	2.3
*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)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				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**

Limited image set provided. What can be said is the overall cardiac dimensions and function appear relatively normal with borderline dysfunction and mild LA enlargement. The latter is of little concern in light of a lack of significant pathology. This is not considered a full study, and other possible abnormalities are certainly not ruled out.

Given these findings, a structural cause for collapse is unlikely. The patient was sedated, making bradycardia likely reasonable; however, monitoring of an ECG is advised to rule out intermittent pauses/etc. Further workup should be dictated by the clinical picture.

Anesthesia is not advised.



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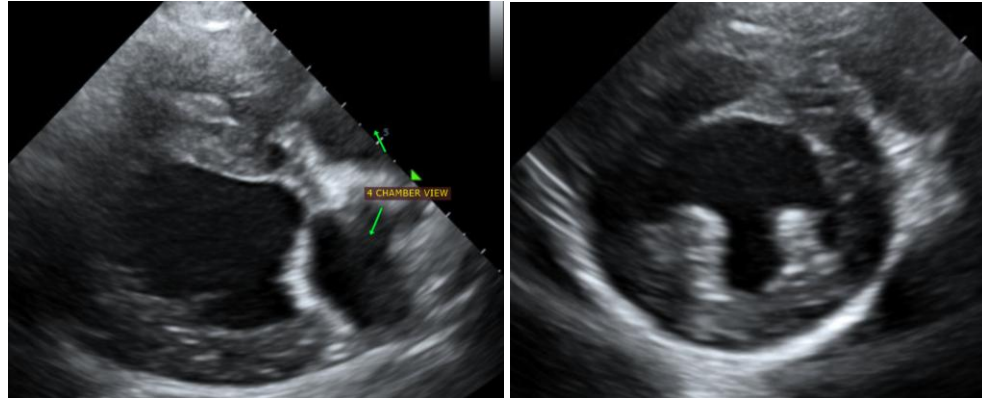
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A recheck echocardiogram is recommended should a significant murmur develop or signs of cardiac compromise be noted in the future.

## IMAGES



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.

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