

**PATIENT**

Ella Woldt

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

16 Years

**WEIGHT**

8.78 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Dr. Andrea Nason

**HOSPITAL NAME**

Caravan VS

**REFERRING VET**

Dr. Andrea Nason

**INVOICE**

36464

**DATE**

3/31/26

**PRESENTING CLINICAL SIGNS**

- Heart murmur first noted in 2022.
- She had an echocardiogram in 2024. The findings were mild left ventricular septal hypertrophy. At the time, her heart murmur was suspected to be secondary to anemia/volume shifts.
- A recheck echocardiogram in 1 year was recommended.
- Her cardiac proBNP is 246 as of February. It was 27 (normal <100) in August of 2024.
- Chest Radiographs and ECG attached for review
- Abnormal PE/Chem/CBC/UA Results: Blood Pressure = 120 systolic ProBNP 246 T4 - 2.5 ug/dL Crea 0.6, BUN 23, SDMA 7

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

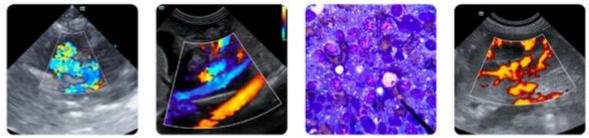
FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
<b>PATIENT</b>	3.99	NM	0.42	1.49	0.64	NM	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
<b>NORMAL PARAMETER</b>	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
<b>PATIENT</b>	NM	1.26	--		NM	~1.0	NM
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

**Chest Radiographic Interpretation**

The cardiac silhouette appears tall, however, the left atrium does not appear enlarged. There is no evidence of cardiogenic pulmonary edema.

**ECG Interpretation**

Normal sinus rhythm.



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**Cardiac Presentation**

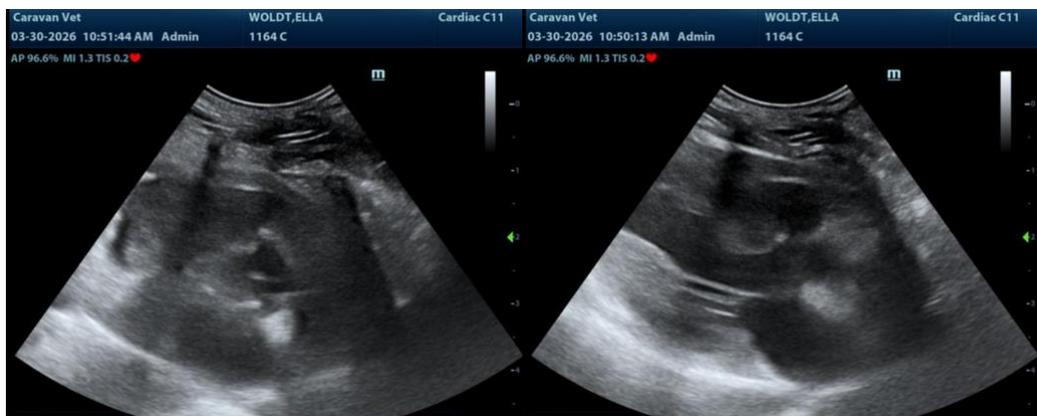
The left atrium is within normal limits. The mitral valve leaflets are normal and there is no mitral regurgitation. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. There is concentric hypertrophy of the left ventricle. The right atrium is normal. The tricuspid valve is normal without evidence of tricuspid regurgitation. The right ventricle appears to have preserved systolic function subjectively. The aortic and pulmonic valves have normal morphology. Pulmonic corresponding outflow velocities are normal. The aorta and PA are normal along with the associated PA branches. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Left ventricular concentric hypertrophy
- Normal left atrial size

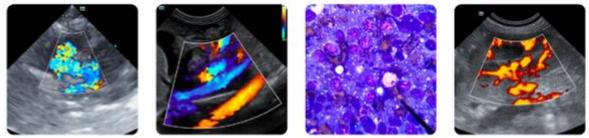
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient has evidence of left ventricular concentric hypertrophy and is classified as a stage B1 due to the normal left atrial size. The reported blood pressure and thyroid hormones are within normal limits. Therefore, the patient likely has underlying hypertrophic cardiomyopathy. No cardiac medications are indicated at this time as the patient is at a low risk for complications associated with this condition. Since this can be a progressive condition, serial monitoring is recommended. It's recommended to recheck an echocardiogram in 6 months, sooner if the patient develops cardiovascular clinical signs.



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.



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