



**PATIENT**

Milo Nielson

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

3 Years 5 Months

**WEIGHT**

13.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

**IMAGING PERFORMED BY**

Cloe Lowe CVT

**HOSPITAL NAME**

William Penn  
Veterinary Hospital

**REFERRING VET**

Dr. Bouzaout

**INVOICE**

16343

**DATE**

06/04/26

**PRESENTING CLINICAL SIGNS**

Recheck from last ultrasound 12/10/25. 4/6 murmur, cardiomegaly, HOCM phenotype, eccentric mitral valve regurg. LVOT velocity mildly increased.

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	13.5 lbs	NM	0.65	1.64	0.65	44	--
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/)	
NORMAL PARAMETER	<1.5	1.6	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.5	1.5	1.5	1.69	2.01	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

E-wave V: 0.9

**Cardiac Presentation**

The echocardiogram in this patient demonstrated normal **left atrial** size and structure with no evidence of "smoke" or thrombi. The cranial and caudal **mitral** valve leaflets appeared mildly thickened with some insufficiency noted on Doppler. The **left ventricle** presented excessive free wall and septal thicknesses with hypertrophic thicknesses compared to normal for this species. The **myocardium** presented essentially normal echogenicity without immediate signs of fibrotic or ischemic disease. **Contractility** of the ventricular walls was considered excessive for this patient evidenced by the elevated fractional shortening measurement. The **left ventricular outflow** tract demonstrated turbulent laminar flow. Subjective assessment of the **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated measurable insufficiency at 2.0 m/s. The **right ventricle** was of normal size with normal chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter. No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The **mediastinum** was free of masses in the visible window. Systolic anterior motion was noted.

**ULTRASONOGRAPHIC FINDINGS**

- Compensated hypertrophic cardiomyopathy phenotype.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No medications are recommended at this time. The patient appears stable, No progression from the



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prior echocardiogram.

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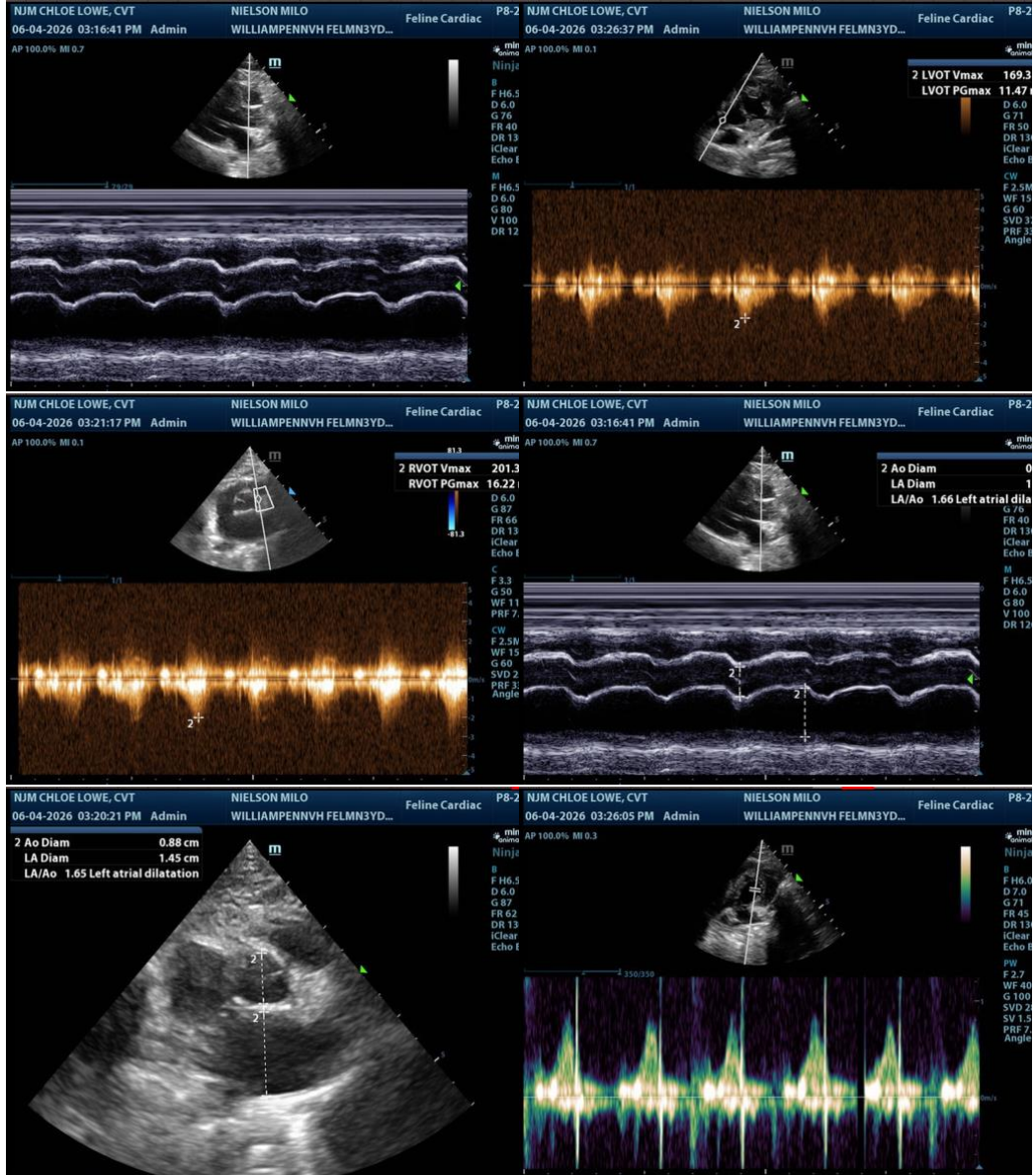
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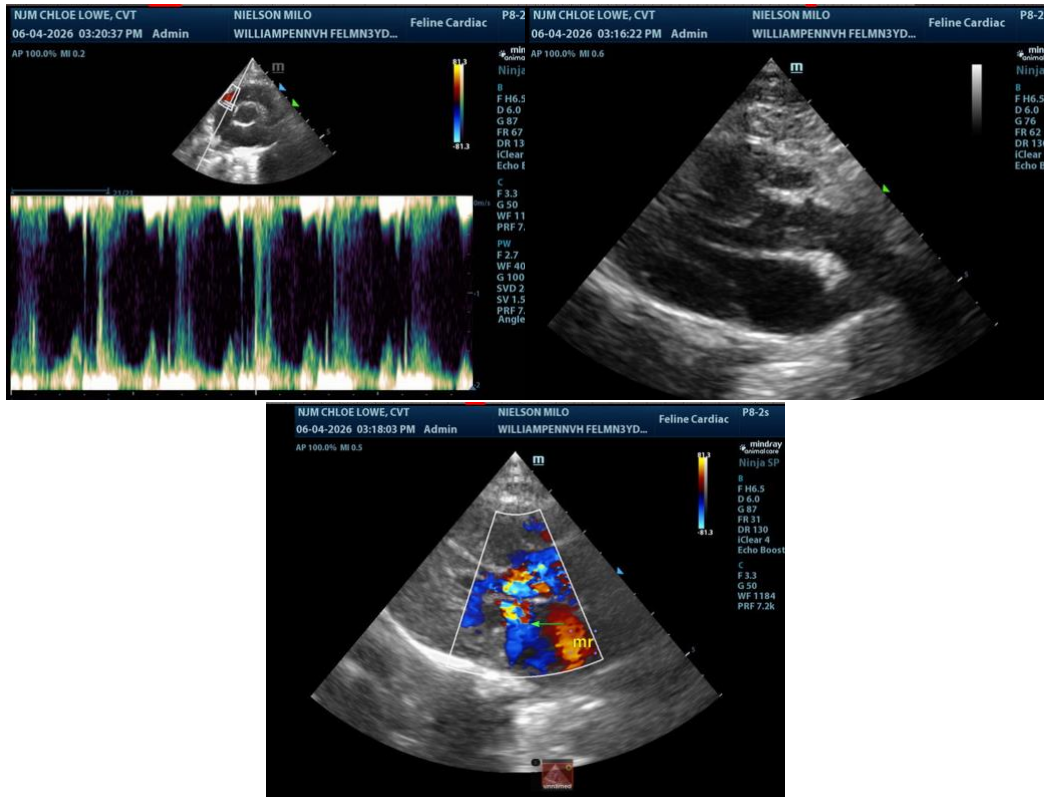
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,**

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