



PATIENT PRESENTING CLINICAL SIGNS

Harley Kiraly Suspect neuro episode, CXR suspected cardiomegaly. Mildly increased respiration rate, but no crackles. Lasix

SPECIES Abnormal PE/Chem/CBC/UA Results: Felv/fiv negative. Ca 8.5, Tp 8.2, glob 5.3, gluc 227.

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED	FELINE CARDIAC PARAMETERS	BODY WEIGHT	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
DSH	NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
SEX	PATIENT	10lb	170	0.63	1.47	0.61	35	67
FS	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/)
AGE	NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
WEIGHT	PATIENT	--	1.5	1.7		--	1.4	NM

Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705

5yr

10lb

INTERPRETED BY

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

IMAGING PERFORMED BY

Chloe Lowe CVT

HOSPITAL NAME

Newton Veterinary Hospital

REFERRING VET

Dr Chan

INVOICE
24815

DATE
05/13/2026

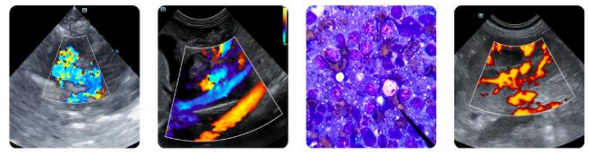
Cardiac Presentation

The left ventricular wall, mild to variable hypertrophy with regions of myocardial irregularity. Diffusely hyperechoic endocardium consistent with fibrosis and ventricular remodeling. Papillary muscle hypertrophy with regions of remodeling. Normal to borderline increased LA dimension and sphericity, no spontaneous contrast. The mitral valve appeared mildly thickened without overt systolic anterior motion (SAM) of the mitral valve or definitive mitral regurgitation on Doppler. LV contractility was adequate to mildly decreased as evidenced by the fracture shortening measurement. Normal right atrial size. Normal right ventricle size. Normal measured RVOT velocity. No overt TR or other obvious valvular insufficiencies. No pericardial or pleural effusion. No obvious cardiac tumors. Adequate cardiac rate and rhythm without overt arrhythmia or hepatic congestion.

ULTRASONOGRAPHIC FINDINGS

Primary

- Mildly thickened left ventricle with evidence of myocardial remodeling / fibrosis, prominent remodeled papillary muscles.
- Normal to borderline increased LA dimension / sphericity.
- Adequate to borderline decreased LV systolic function.



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

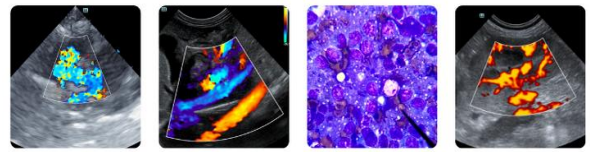
The echocardiogram suggests HCM phenotype with evidence of LV remodeling / fibrosis and potential for restrictive cardiomyopathy component given adequate to decreased LV systolic function.

Overall, the heart appears to be compensated, given normal to borderline increased LA dimension without evidence of right chamber enlargement. The risk of complication going forward, however, is at least mildly elevated given borderline increased LA dimension and sphericity. A cardiogenic component to the increased RR appears unlikely based on the study yet not definitively excluded.

Continued Lasix trial at lowest effective dose with monitoring of respiration rate, renal parameters, thoracic radiographs, and clinical response with concurrent respiratory support would be reasonable. Consideration for Plavix 75 mg tab 1/4 tab PO SID is controversial at this stage. However, it may be considered given borderline increased LA dimension. If continued episodes which may suggest cardiac dysfunction off-label Pimobendan 1.25 mg PO BID may be indicated.

Serial sonographic monitoring advised for further assessment and prognosis. Recheck echo recommended in 4-6 months sooner if clinically indicated. Correlation with neurological exam and ECG recommended.

Elective anesthesia is not advised pending further assessment.



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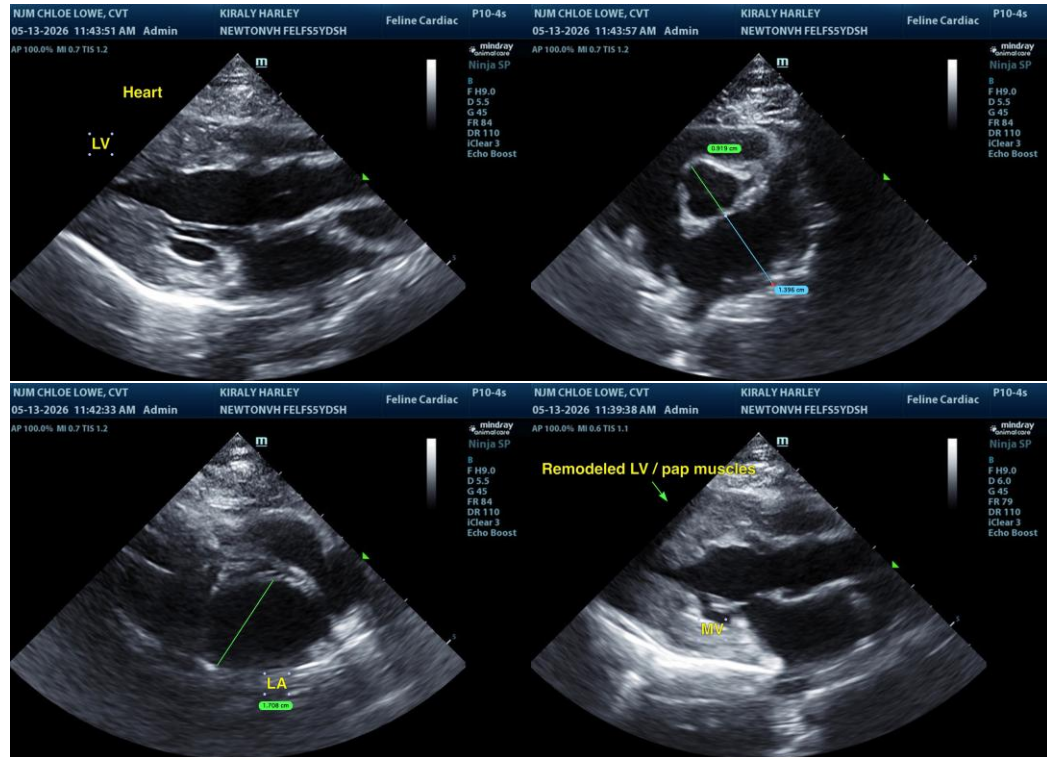
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AGE

5yr

WEIGHT

10lb



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.

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 DVM, DABVP
 (Canine and Feline)

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.

IMAGING PERFORMED BY

Chloe Lowe CVT

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
info@sonopath.com

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