



PATIENT

Choco Calder

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

9 years

WEIGHT

5 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Celine Ward

HOSPITAL NAME

Kenora VC

REFERRING VET

Dr. Celine Ward

INVOICE

74807

DATE

4/24/26

PRESENTING CLINICAL SIGNS

History: Heart murmur discovered on routine PE, radiographs show valentine-heart suspicious for HCM, Recent dental went well. Is on clopidogrel as precaution.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

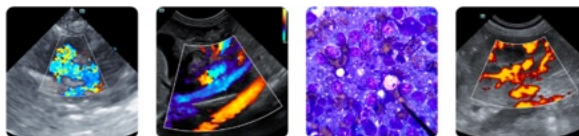
The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate LA measurements. No volume overload was noted in the left atrium. The **mitral** valve was thickened with insufficiency. The **left ventricle** presented mild sectorial hypertrophy with areas of infarcts and remodeling. **Myocardial** remodeling was noted. Thickened irregular papillary muscles were also noted. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions and angles of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinetics. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted or extra cardiac pathology in the visible planes. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	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	5 kg	NM	0.59	1.1	0.64	50	0.1
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	1.1	1.1					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							

ULTRASONOGRAPHIC FINDINGS

Left ventricular hypertrophy with mitral insufficiency, consistent with hypertrophic cardiomyopathy phenotype with myocardial remodeling.

Thickened irregular papillary muscles



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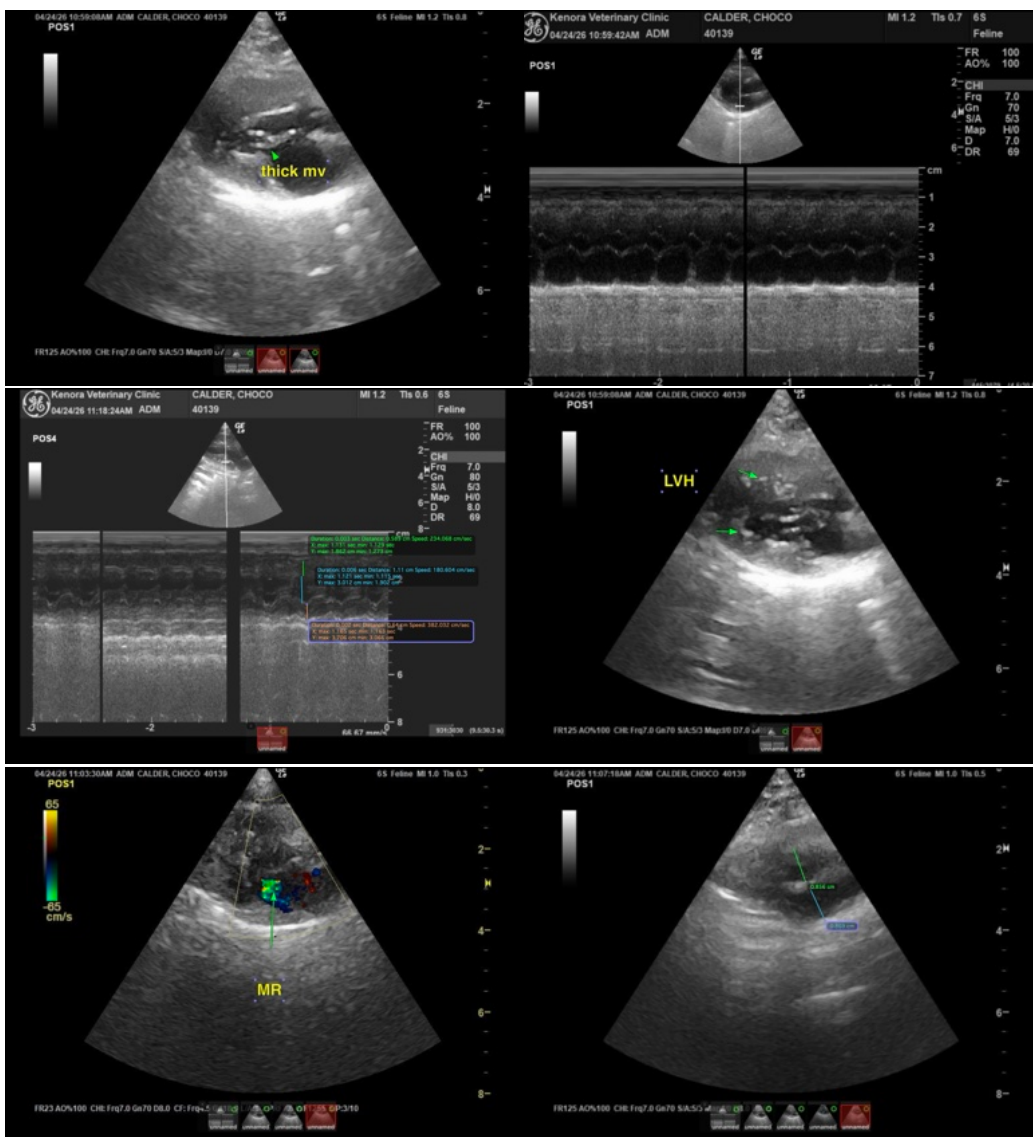
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient appears stable at this time. If any exercise intolerance is an issue then Atenolol trial can be considered at 6.25 mg b.i.d. Recheck echocardiogram is recommended in 6 months.





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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, CEO of SonoPath.com

info@SonoPath.com