



PATIENT

Margaret McConnell

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

14 years

WEIGHT

9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Lincoski

HOSPITAL NAME

University Drive VH

REFERRING VET

Dr. Lincoski

INVOICE

68681

DATE

11/13/25

PRESENTING CLINICAL SIGNS

History: Adopted as a senior, had a 4/6 murmur which decreased in intensity to 2/6 when sedated. Echo 2022 at VT vet school was unremarkable at that time, though murmur persists. Abnormal PE/Chem/CBC/UA Results: Grade 2/6 systolic murmur. proBNP=241, otherwise all labwork is normal.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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 sectorial hypertrophy with **myocardial** remodeling and septal impingement upon the left ventricular outflow tract. **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 linear morphology. 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.

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	9 lbs	NM	0.65	1.07	0.62	40	76
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	-	-	1.2		NM	NM	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

- Hypertrophic cardiomyopathy phenotype with remodeling, compensated at this time.



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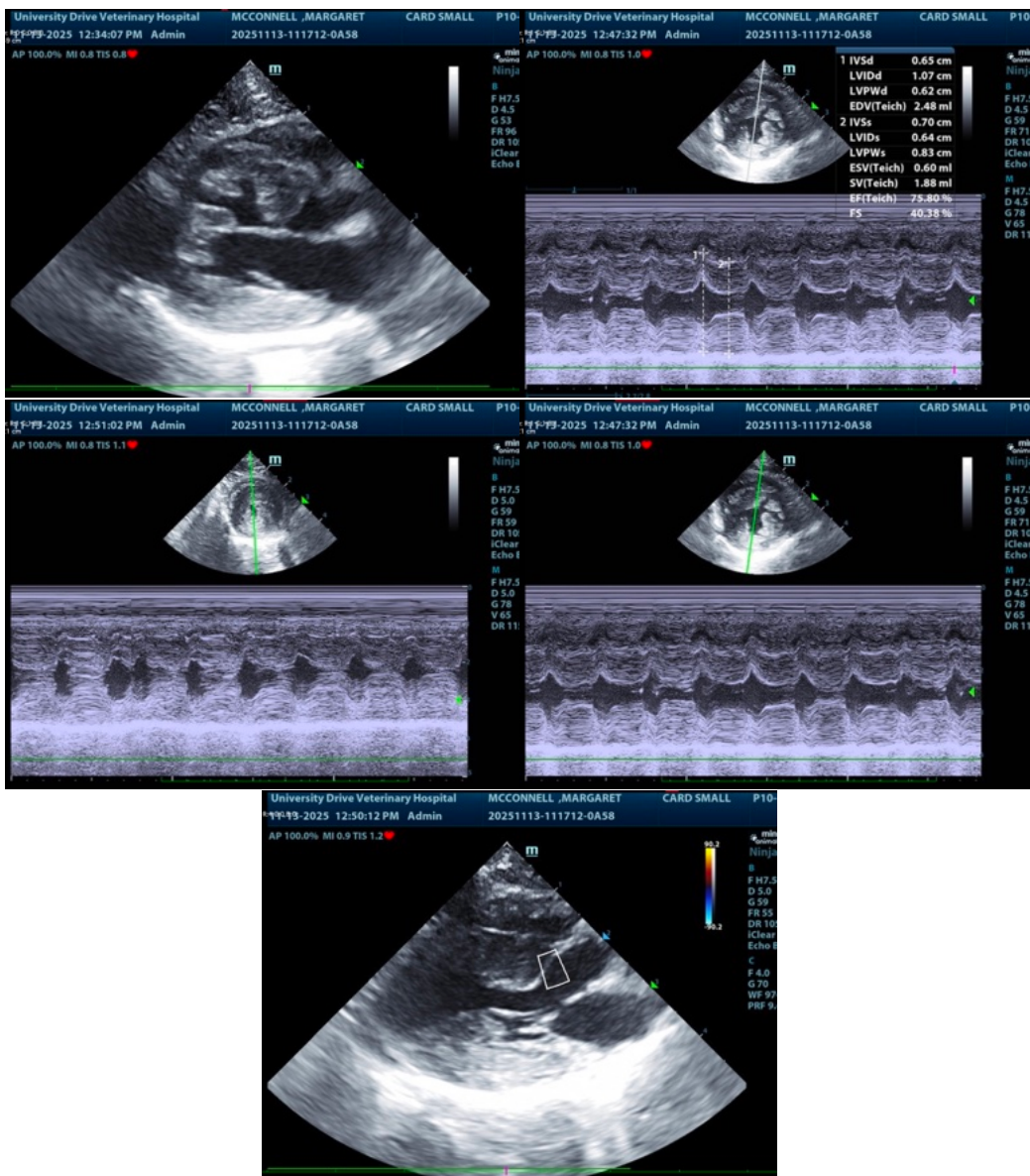
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No specific therapy is indicated unless exercise intolerance is an issue. There was no evidence of volume overload. Other factors that may be influencing the heart include hypertension or hyperthyroidism.



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



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info@SonoPath.com

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