



PATIENT

Chance Mahoney

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

11 years

WEIGHT

10.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP (CFM), Cert.
 IVUSS, CEO of
 SonoPath.com

IMAGING PERFORMED BY

Chloe Lowe

HOSPITAL NAME

Smithfield AH

REFERRING VET

Dr. Boe

INVOICE

73951

DATE

3/31/26

PRESENTING CLINICAL SIGNS

- Heart murmur, dental disease. Alopecia on ears
- proBNP is abnormal

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated **left atrial** enlargement. The **mitral** valve was thickened in this patient. Mitral insufficiency was noted. The **left ventricle** presented segmental hypertrophy with particularly thickened septum. **Myocardial** remodeling was noted. **Contractility** and the left ventricular internal volumes were normal. 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. Minor **tricuspid** insufficiency was noted at 2.0 m/sec. 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.

E Wave 1.5 m/sec

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	10.6 lbs	NM	0.84	1.36	0.5	50	80
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	1.7	1.7	1.8		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

Segmental left ventricular hypertrophy with left atrial enlargement.

Mitral insufficiency.



INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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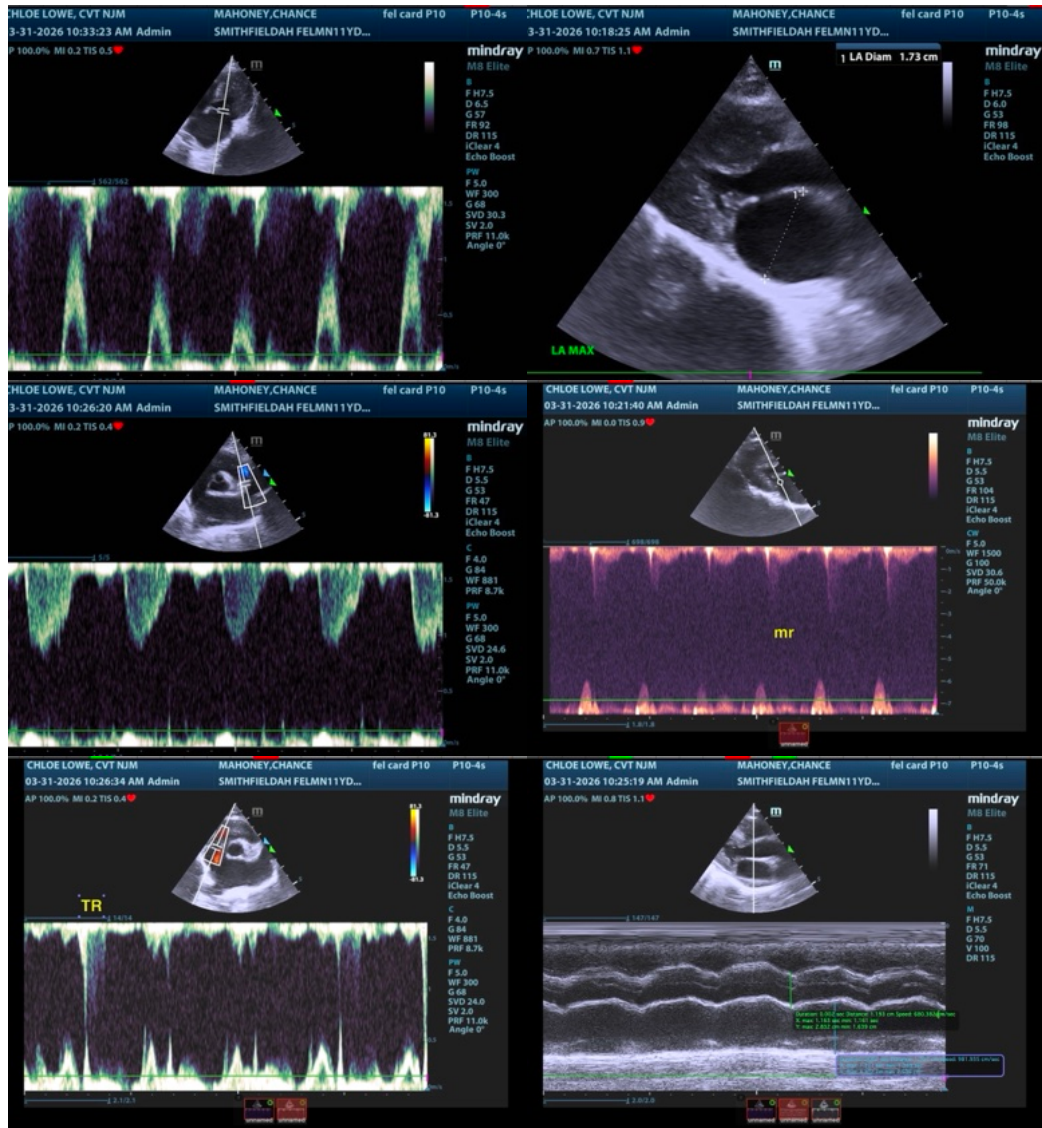
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This is consistent with hypertrophic cardiomyopathy phenotype. I recommend initiating ace inhibitor therapy in this patient at 0.5 mg/kg s.i.d., Plavix therapy at 18.75 mg s.i.d. Recheck echocardiogram is recommended in 1-3 months. There is mild anesthetic risk in this patient given the volume overload of the left atrium. Blood pressure, thyroid assessment/management is indicated.





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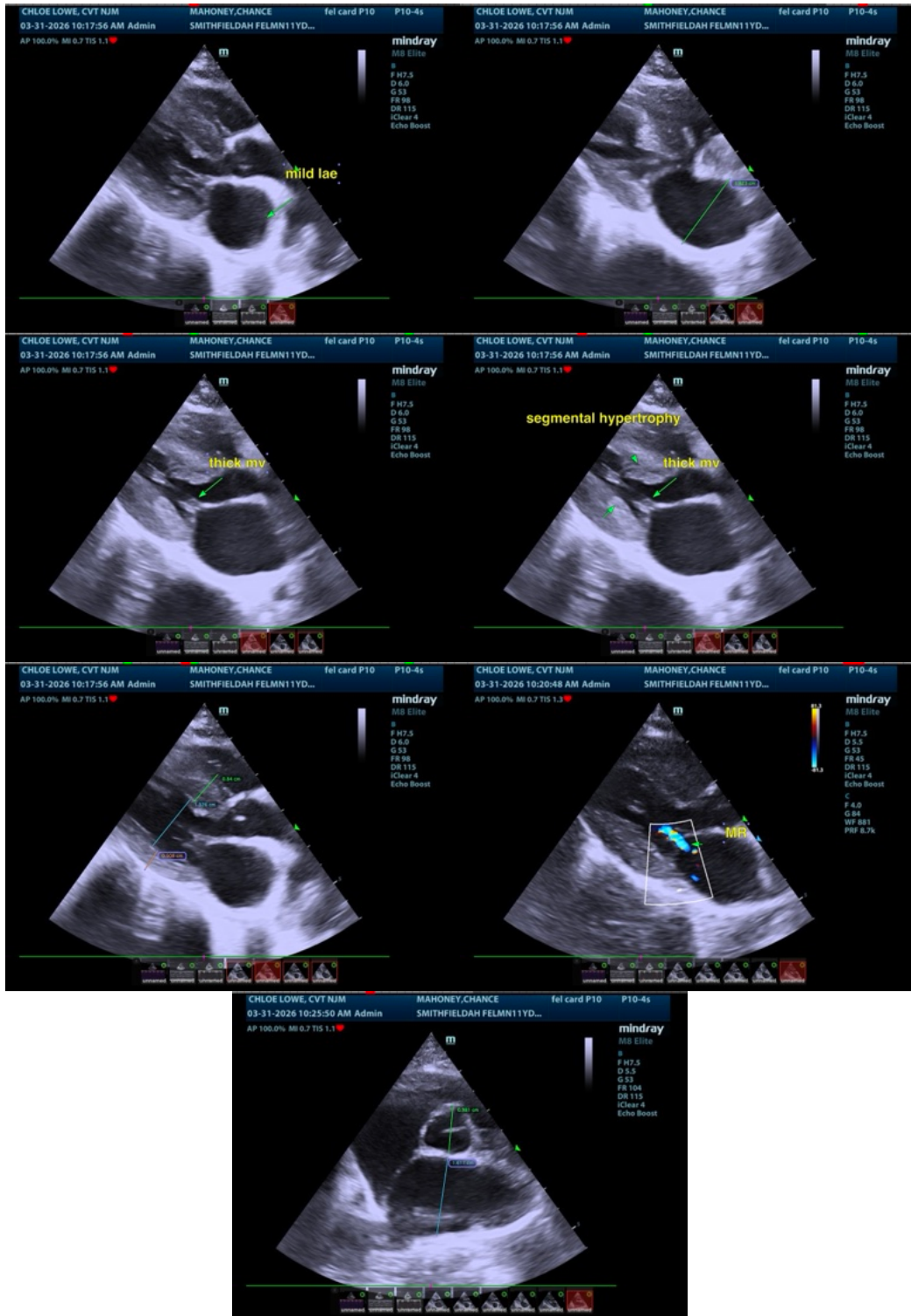
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, CEO of SonoPath.com

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