



PATIENT

Austin McNickle

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

3 Years

WEIGHT

5.86 kg

INTERPRETED BY

Camden Rouben DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Ethan Bloomer

HOSPITAL NAME

Echosound Veterinary
Mobile Imaging
Services

REFERRING VET

Dr. Sarah Miller

INVOICE

15709

DATE

05/01/26

PRESENTING CLINICAL SIGNS

Patient has a history of a heart murmur that was recently graded as a 3/6. The patient is doing well clinically at home with no reported issues.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

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	5.86	NM	0.61	--	0.65	65.45	94.68
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	1.48	1.32	--	--	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							

EPSS: 0.09

Cardiac Presentation

Based off of the images provided, the left atrium is within normal limits. The mitral valve leaflets are normal and there is no mitral regurgitation. There is no systolic anterior motion of the mitral valve and no evidence of left ventricular outflow tract obstruction. There is evidence of concentric hypertrophy of the left ventricle. Internal dimensions of the left ventricle are within normal limits. The right atrium is normal. The tricuspid valve is normal without evidence of tricuspid regurgitation. The right ventricle subjectively appears normal in structure and function. The aortic valve and pulmonic valve subjectively appear normal without evidence of insufficiency. Aorta and pulmonary artery are normal along with the pulmonary branches. There's no evidence of pleural effusion, pericardial effusion, or intracardiac masses based off of the images provided.

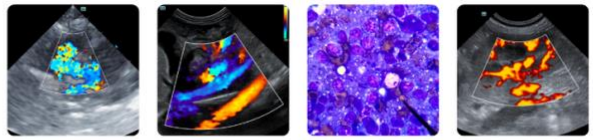
ULTRASONOGRAPHIC FINDINGS

- Hypertrophic cardiomyopathy phenotype ACVIM stage B1.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has evidence of left ventricular concentric hypertrophy. If not already performed, it is recommended to ensure that this patient's blood pressure is normal and that the patient is euthyroid.

No cardiac medications are indicated at this time as this patient is a low risk for complications associated with this condition. Since this can be a progressive condition, serial monitoring is recommended.



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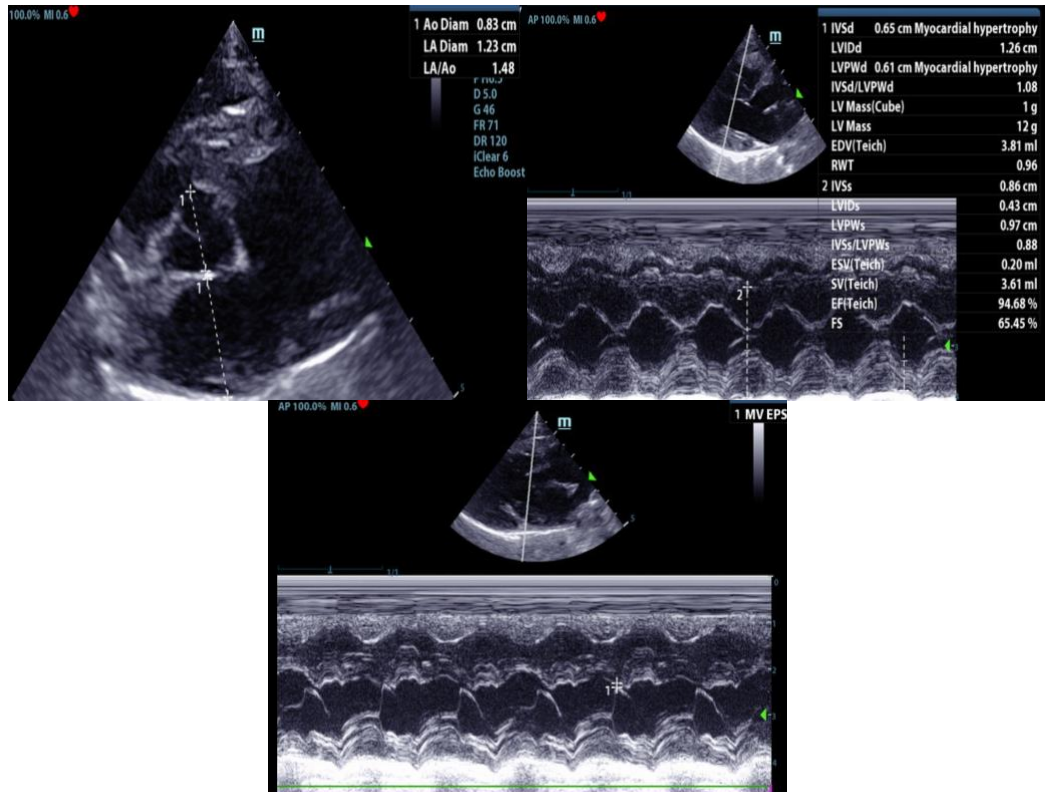
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It's recommended to recheck an echocardiogram in six months, sooner if the patient develops cardiovascular clinical signs.

Standard perioperative fluid rates should be well tolerated. Medications like dexmedetomidine and other alpha-2 agonists and ketamine are best avoided. Anticholinergics can be used in the face of a clinically significant bradyarrhythmia.



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.

Camden Rouben DVM, DACVIM (Cardiology)

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