**PATIENT**

George Rhodes

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

12 Years

**WEIGHT**

9 Pounds

**PRESENTING CLINICAL SIGNS**

Incidental finding of heart murmur on annual wellness exam (2021); recheck echo recommended every 6 months currently on atenolol 6.25 mg BID

Abnormal PE/Chem/CBC/UA Results: Grade 3-4/6 heart murmur (February 2021), previous echo diagnosed HOCM

**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		151	0.68	1.07	0.68	44.7	80.4
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Sisson)	LA 2D 4-chamber long axis AS to FW (Sisson) (cm)	LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)	
NORMAL PARAMETER	<1.5	0.88-1.79	0.7-1.7	<1.6	<1.3	40-60	
PATIENT	1.6	1.59	1.4	1.0	0.8	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							

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

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**Cardiac Presentation**

The left ventricular wall exhibited irregular myocardium with regions of variable hypertrophied. The endocardium exhibited increased echogenicity consistent with fibrosis and ventricular remodeling. Papillary muscle hypertrophy and concurrent remodeling present. The right ventricle appeared to be subjectively normal in size and appearance. Static mild left atrial enlargement was present without evidence of spontaneous contrast. No evidence of right atrial enlargement present. Laminar flow noted within the RVOT. Persistent subjective mild SAM present, yet normal measured LVOT velocity. Likely concurrent mild static eccentric mitral valve insufficiency secondary to SAM. Trace aortic and pulmonic valve insufficiencies were present. No evidence of pericardial effusion noted. No evidence of pleural effusion noted or overt masses.

**ULTRASONOGRAPHIC FINDINGS**

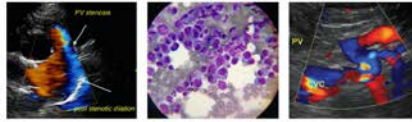
- Static HOCM
- Static mild LA enlargement
- Trace AV and PV insufficiency

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No overt evidence of progressive LV hypertrophic changes or left atrial enlargement secondary to HOCM. The lack of significant left atrial enlargement continues to suggest that the risk of current complication is low. Continued Atenolol at current dose warranted. Continued monitoring for clinical signs associated with HOCM recommended with recheck echocardiogram in 6 months, sooner if clinical signs suggestive of heart disease initiate.

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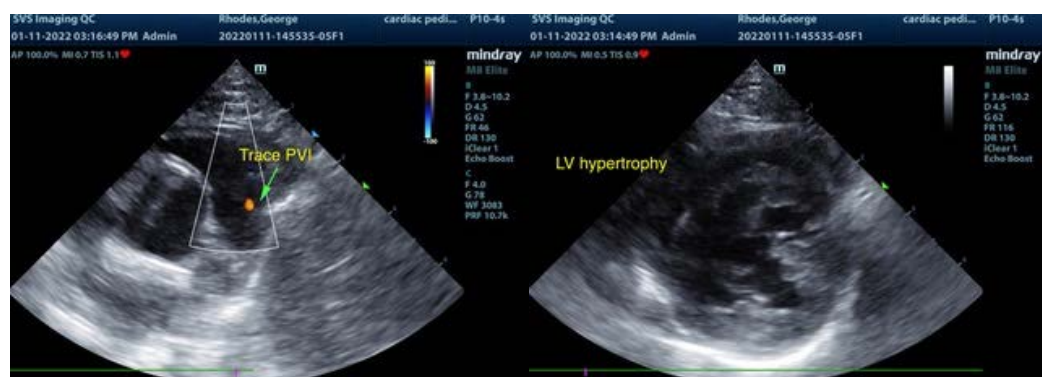
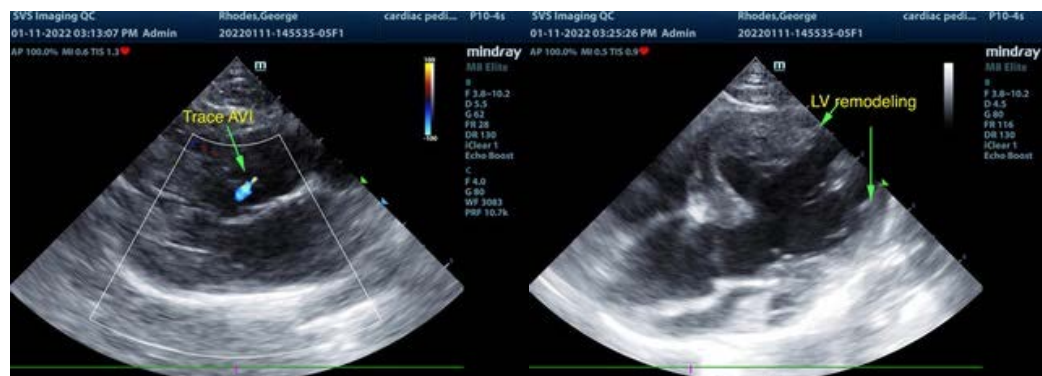
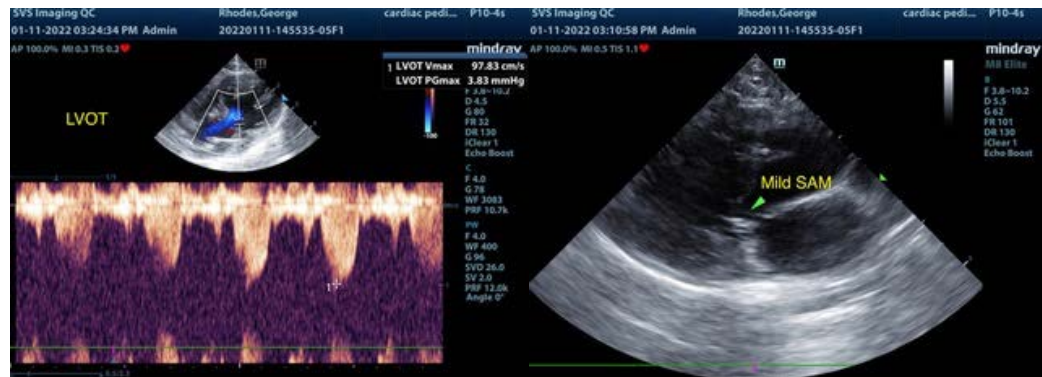
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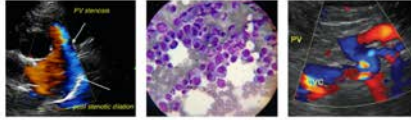
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**PATIENT**

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

**SPECIES**

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.

**BREED**

DSH

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