

**PATIENT**

Ryder Holland

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

9 Years

**WEIGHT**

6.4 kg

**INTERPRETED BY**

Sara Brethel, DVM,  
 DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Amanda Stewart

**HOSPITAL NAME**

Southside AC London

**REFERRING VET**

Dr. Kennedy

**INVOICE**

35703

**DATE**

2/5/26

**PRESENTING CLINICAL SIGNS**

- Ongoing monitoring for known HCM
- Current Medications
- Atenelol 25mg 1/4 tab SID
- Abnormal PE/Chem/CBC/UA Results: N/a Primary Question to Be Answered in This Exam ongoing monitoring for known HCM

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
<b>PATIENT</b>	6.4	235	0.62	1.64	0.63	46.34	--
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/)
<b>NORMAL PARAMETER</b>	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
<b>PATIENT</b>	1.4	1.5	1.48		0.92	1.0	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							

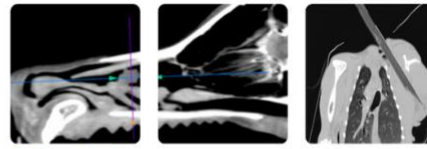
LVIDs: 0.88

**Cardiac Presentation**

The left atrium is within normal limits. The mitral valve leaflets are normal and there is mild mitral regurgitation. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. There is concentric hypertrophy of the left ventricle. The right atrium is normal. The tricuspid valve is normal without evidence of tricuspid regurgitation. The right ventricle appears to have preserved systolic function subjectively. The aortic and pulmonic valves are normal without evidence of insufficiency. Aortic and pulmonic outflow velocities are within normal limits. The aorta and PA are normal along with the associated PA branches. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Mild mitral regurgitation
- Normal left atrial size



**PATIENT**

- Mild left ventricular concentric hypertrophy

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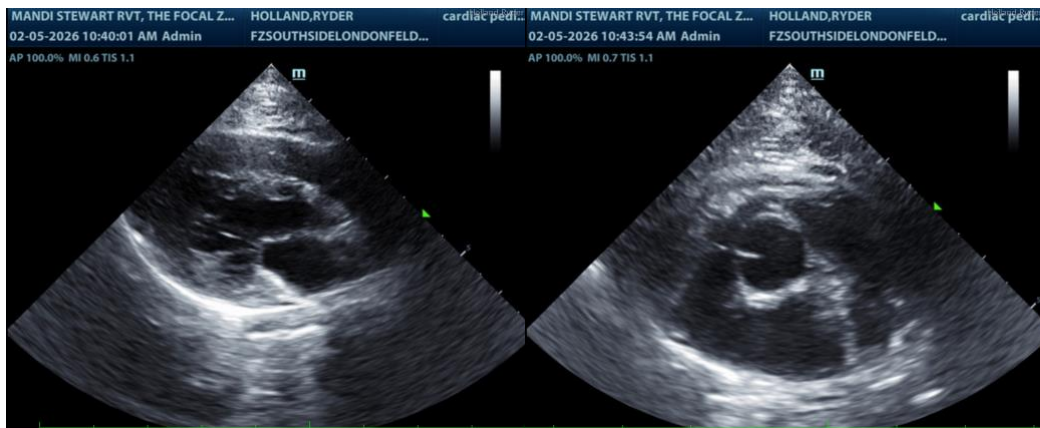
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The previous report diagnosing the patient with HCM is not available to review, however, based upon the current measurements, the condition remains mild with normal left atrial size. No cardiac therapies are recommended at this time. Serial monitoring and recheck echo is recommended in 10-12 months, sooner if the patient is decompensating.



**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.

Sara Brethel, DVM, DACVIM (Cardiology)

[info@SonoPath.com](mailto:info@SonoPath.com)