



**PATIENT**

Duffy Barry

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**AGE**

15 years

**WEIGHT**

8.6lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Exclusively Cats  
Veterinary Hospital

**INVOICE**

26326

**DATE**

9/12/22

**PRESENTING CLINICAL SIGNS**

History: Grade 3/6 heart murmur. Episode of rear limb paresis ~10 days ago that responded to steroid therapy but declined again and presented again this last Friday unable to use both rear legs.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. Normal to Normal LV chamber dimension. Adequate systolic function. The papillary muscles are mildly hypertrophied and hyperechoic. The endocardium also appears remodeled. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is normal in structure and mobility. Trace MR. Blood flow through both the LVOT and RVOT is normal in velocity. No TR. No pleural or pericardial effusion seen. No obvious cardiac tumors.

**CARDIAC CHART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	3.9	NM	0.37	1.26	0.49	54	90
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)		LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	NM	1.1	1.1		0.7	0.5	NM

*\*Note: All measurements based upon multi-modal images and methods. An average value is reported.*  
 Adapted from June Boon, Veterinary Echocardiography, 1998  
 Abbott J & MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Essentially normal cardiac structure and function are documented in this study. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. The papillary muscles are mildly enlarged and hyperechoic and should be follow up for progressive hypertrophy. There is mild remodeling and fibrosis of the left ventricular wall, which is likely a normal variant. No additional issues are identified.

Given these findings, the clinical issues are unlikely to be cardiac-related (i.e., low risk of a cardiac thrombus with a normal left atrium); however, this does not rule out non-cardiac thrombi etc. Further systemic evaluation is advised to rule out underlying issues such as neoplasia. Additionally, a baseline BP is strongly recommended.

From a structural standpoint, anesthetic risk is considered mild.

**IMAGING PERFORMED BY**

svsmobileimaging.com 309-737-3070



**Clinical Sonography & Telecytology**

EDUCATIONAL TELECONSULTATION SERVICES™

1-800-838-4268 info@sonopath.com SonoPath.com

**PATIENT**

Duffy Barry

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**AGE**

15 years

**WEIGHT**

8.6lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Amy Mayhew, LVT

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Exclusively Cats  
Veterinary Hospital

**INVOICE**

26326

**DATE**

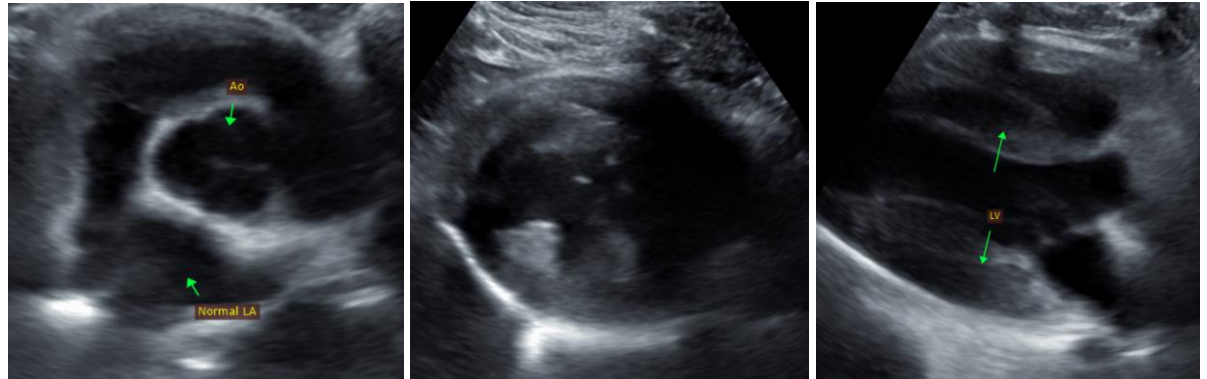
9/12/22

**PLAN**

No indication for medications from a cardiac standpoint.

Recommend recheck echocardiogram in 1 year to assess any progressive issues, sooner if a murmur develops in the interim.

**IMAGES**



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.

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.

Maggie Machen Lamy, DVM  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com