


PATIENT

Bodhi Maric

PRESENTING CLINICAL SIGNS

History: Grade 4/6 heart murmur.

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

2 years

WEIGHT

8.8lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is markedly hypertrophied. The LVOT flow velocity is severely elevated, and the MV can be seen impinging on flow. The anterior mitral valve leaflet is elongated and dysplastic; stenosis is not ruled out. There is normal LV diameter in diastole with adequate myocardial function. Mild papillary muscle remodeling. The left atrium is markedly increased in diameter with a horizontal component. No obvious smoke seen. The right atrium is normal in size. The right ventricle appears normal. There is moderate eccentric mitral regurgitation present secondary to abnormal valve motion. No TR. Blood flow through the RVOT is normal in velocity. No evidence of cardiac tumors or metastatic lesions on this scan.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (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	4.0	120	0.85	1.54	0.95	46	80
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	2.2	2.8	2.5		3.8	1.3	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.							

HOSPITAL NAME

 Governors Road
 Animal Hospital

REFERRING VET

Dr. Dogar

INVOICE

27623

DATE

11/23/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The presumptive diagnosis and cause of the murmur is mitral valve dysplasia leading to an obstructive LVOT flow pattern and LV hypertrophy. Marked left atrial dilation has developed, indicating the risk of spontaneous CHF and/or a thrombotic event is elevated. No additional issues are noted at this time.

While no medications have been shown to definitively alter long term outcome at this stage of disease, atenolol is often initiated to decrease the outflow obstruction. In cases of solely primary MV dysplasia this can lead to improvement in the degree of obstruction and hypertrophy. Given these findings, I would certainly initiate Atenolol at this time as below. Additionally, given LA dilation, Plavix (Clopidogrel) should also be considered given a risk for thrombotic events. Finally, low dose Lasix is also suggested due to extremely high risk for complication. Monitor at home for any respiratory signs or blood clot events (neurologic change, paralysis, etc.).



PATIENT

Bodhi Maric

Prognosis is guarded to poor long-term given the age of the patient and degree of atrial dilation. Patient will always be at risk for spontaneous CHF, development of blood clot events and/or sudden death in the future.

SPECIES

Feline

Elective anesthesia is not advised.

PLAN

If possible, administer Clopidogrel (Plavix) 75mg tabs, give ¼ tab PO q24 h (NOTE: This medication is very bitter along the cut edge and may cause oral foaming). Administer titrating dose of atenolol: 25mg tablets; Give ¼ tab once daily. Recheck heart rate in 1-2 weeks with target stressed rate of 140-160bpm 12-24 hours post-administration. Increase as needed until target reached. Administer low dose Lasix 1mg/kg PO q12h.

BREED

DSH

SEX

Male Neutered

Recommend recheck echocardiogram in 6 months to assess for progression, sooner if clinical issues arise.

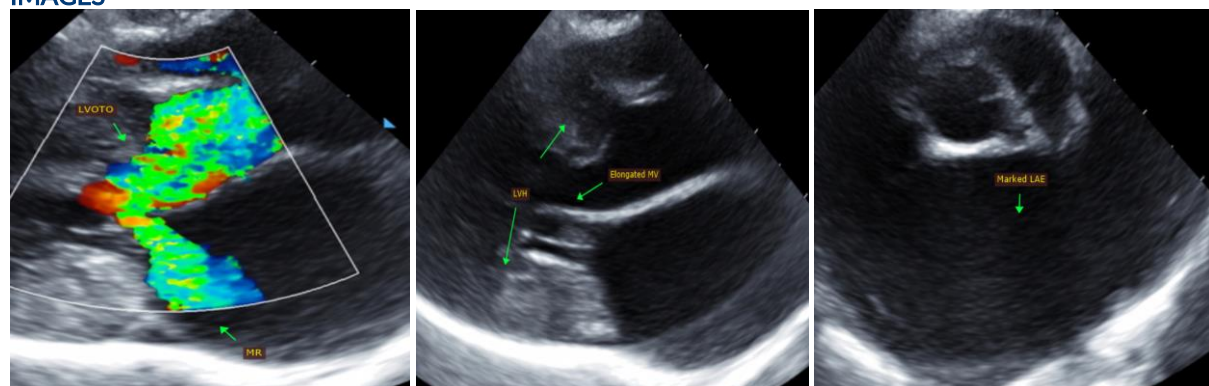
AGE

2 years

IMAGES

WEIGHT

8.8lbs



INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Kelly Reschny, RVT

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

HOSPITAL NAME

Governors Road
Animal Hospital

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

REFERRING VET

Dr. Dogar

INVOICE

27623

DATE

11/23/22