



PATIENT

Kory Knox

SPECIES

Feline

BREED

DLH

SEX

Male Neutered

AGE

2 years

WEIGHT

11lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM DACVIM
(Cardiology)

IMAGING PERFORMED BY

Crystal Hill, RVT

HOSPITAL NAME

Hawkins Animal
Hospital

REFERRING VET

Dr. Hawkins

INVOICE

30478

DATE

4/27/23

PRESENTING CLINICAL SIGNS

History: Recheck echo.
-Abnormal PE/Chem/CBC/UA Results: Platelets low, rest of bloodwork unremarkable.
-Pertinent previous echo findings (11/2022 MML): Borderline LVH, no LAE, DRVOTO, LVOTO, mild MV dysplasia, mild MR. IVSd: 0.58, LVWd: 0.56, LA: 1.1.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is borderline with no significant hypertrophy. There is a diffusely hyperechoic endocardium with regions of remodeling. The right ventricle is normal. There is no left atrial enlargement present. No right atrial enlargement present. Normal RVOT velocity. Abnormal anterior motion of the mitral valve is seen on 2D; no LVOTO on color flow or spectral Doppler. The anterior leaflet of the MV is elongated and thickened, consistent with dysplasia. No mitral regurgitation. No other obvious valvular regurgitation is present. There is no pericardial effusion noted. No pleural effusion appreciated.

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	6.1	130	0.54	1.7	0.57	41	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	1.2	1.1	1.0		0.82	0.86	NM
<p><i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i> 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.</p>							

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Persistently stable disease. The LV wall thickness is borderline with what appears to be a minimal LVOTO. The LA is normal, and no additional issues are identified.

Given these findings, reasonable to continue atenolol going forward. This is not mentioned in the history and is assumed from the prior report.

Monitor at home for any respiratory signs or evidence of blood clot events (neurologic change, paralysis, etc.).

Long term prognosis is guarded given the age of the patient and highly variable nature of asymptomatic feline heart disease. Many cats will remain asymptomatic until mid-life or beyond. Close monitoring for progression of LA dilation in the future will help determine long term prognosis.



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Anesthetic risk is considered mild, however judicious IV fluid rates are advised to avoid fluid overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (glycopyrrolate, atropine). Avoid vasodilators as this may worsen the obstruction. A reasonable protocol includes opioid/benzodiazepine premedication, propofol induction, and isoflurane maintenance. Additionally, steroids should be used with caution in cats, as even a 'normal' heart can develop evidence of intolerance and fluid retention.

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PLAN

Continue Atenolol as previously recommended.

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Recommend recheck echocardiogram in 12 months to assess for progression, sooner if clinical issues arise.

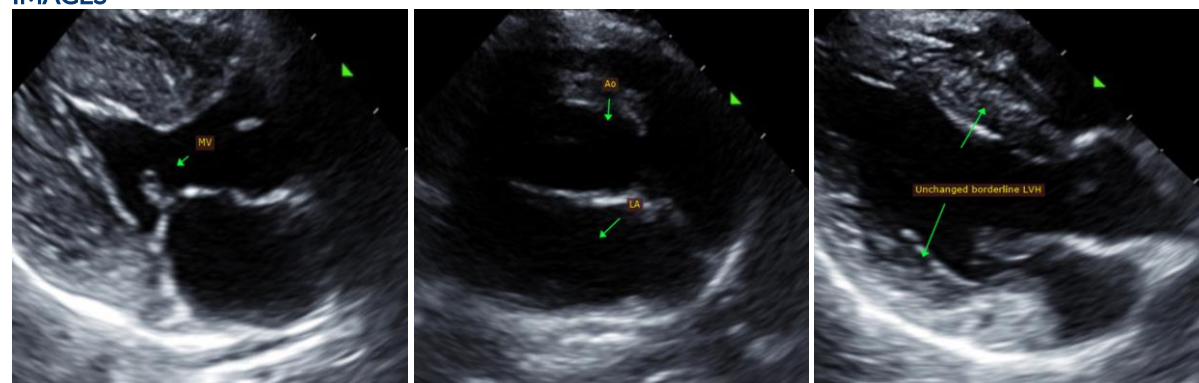
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IMAGES

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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.

IMAGING PERFORMED BY

Crystal Hill, 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

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Hospital

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

REFERRING VET

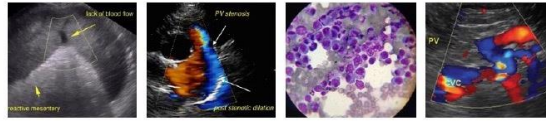
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