



PATIENT

Elsa Jane Harbolt

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

12 years

WEIGHT

18lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Sands Hill Mobile
Veterinary Ultrasound

PRESENTING CLINICAL SIGNS

History: Recheck echo.

-Current medications: Atenolol 25mg ¼ tab SID.

-Pertinent previous echo findings (3/2022 MML): Mild LVH, no LAE, trace MR. IVSd 0.65, LVWd: 0.62, LA: 1.29. LVOTO resolved on Atenolol.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal with regions of mild irregularity. There is a diffusely hyperechoic endocardium consistent with fibrosis and ventricular remodeling. Papillary muscle remodeling. The right ventricle is subjectively normal in size and morphology. There is no left atrial enlargement present. No right atrial enlargement present. Normal RVOT velocity. There is no obvious systolic anterior motion (SAM) of the mitral valve present. Normal LVOT velocity. 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) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	8.2	150	0.44	1.2	0.52	66	94
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE (Swe) <small>(Abbott)</small>	LA 2D short axis Base view (cm) <small>(Abbott)</small>		LVOT VEL <small>(m/s)</small>	RVOT VEL <small>(m/s)</small>	E max <small>(m/s)</small>
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	NM	1.2	1.1		0.9	0.7	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

Surf City Animal
Hospital

REFERRING VET

Dr. Wick

INVOICE

26619

DATE

8/29/22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal cardiac structure and function. Previously noted mild LV thickening has resolved, likely due to Atenolol therapy and heart rate normalization. No SAM is appreciated, and the LA is normal. No additional issues are identified.

These findings certainly reflect great improvement on Atenolol, as the patient is essentially normal. Follow up is advised to screen for any recurrent issues going forward; however, prognosis is open at this time.

Anesthetic risk is considered mild. With remodeling and diastolic stiffening, there is an elevated risk for fluid overload in this patient and judicious IV fluid use is recommended. Heart rate stimulating drugs such as atropine, glycopyrrolate or ketamine should be avoided unless medically necessary. Risk for complication with steroid use typically follows LA dilation, which in



PATIENT

Elsa Jane Harbolt

this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.

SPECIES

Feline

PLAN

Continue Atenolol as previously prescribed.

BREED

DSH

Recommend recheck echocardiogram annually, sooner if any clinical signs or a significant heart murmur are noted.

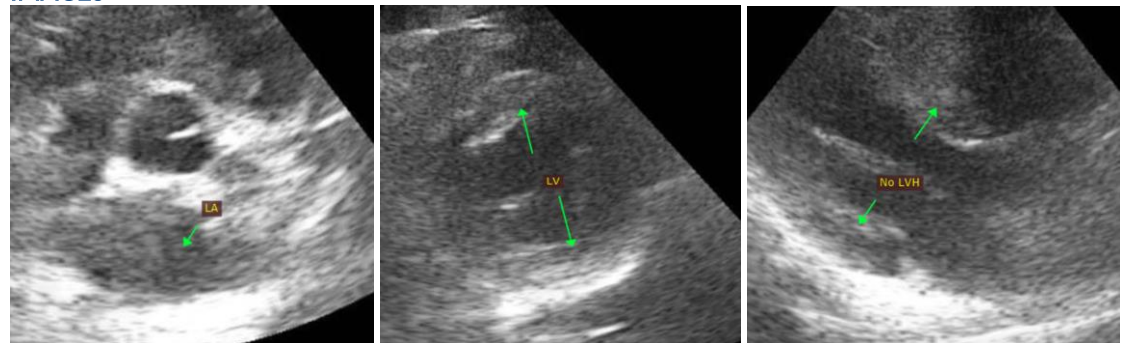
SEX

Female Spayed

IMAGES

AGE

12 years



WEIGHT

18lbs

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.

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Sands Hill Mobile
Veterinary Ultrasound

Maggie Machen Lamy, DVM

Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

HOSPITAL NAME

Surf City Animal
Hospital

REFERRING VET

Dr. Wick

INVOICE

26619

DATE

8/29/22