

PATIENT

Yuki Bivins

SPECIES

Feline

BREED

Maine Coon

SEX

Male Neutered

AGE

4 years

WEIGHT

16.2lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Willakenzie Animal
Clinic

REFERRING VET

Dr. Kairis

INVOICE

28518

DATE

1/23/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. Assess prior to anesthesia.

-Pertinent previous echo findings (2019 MML): Diffuse LV remodeling and fibrosis. Borderline LAE, mild TR. IVSd: 0.41, LVWd: 0.47, LA: 1.3.

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 fibrosis. The endocardium also appears remodeled. False tendon. Remodeled, mildly hypertrophied papillary muscles. The left atrium is minimally dilated. No MR. The right atrium is normal in size. The right ventricle appears normal. Mild TR. The mitral valve is normal in structure and mobility. No MR. Blood flow through the LVOT is normal in velocity. Blood flow through the RVOT is normal in velocity. No PI or AI. No effusions or obvious cardiac tumors identified.

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	7.3	NM	0.47	1.46	0.47	52	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	1.2	1.1	1.4		1.1	1.1	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

Compared to the prior study, findings appear similar. No LV hypertrophy has developed and the overall appearance of the ventricle is unchanged. The LA is slightly increased comparatively; however, in this particular breed this is likely a normal variant. No additional issues are identified.

Anesthetic risk is considered mildly elevated if needed, 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).

Monitor for any development of clinical signs at home, including labored breathing, cough or signs of a blood clot (paralysis, neurologic change).

No cardiac medications are clearly indicated.

A recheck echocardiogram is recommended annually, sooner if clinical signs arise.



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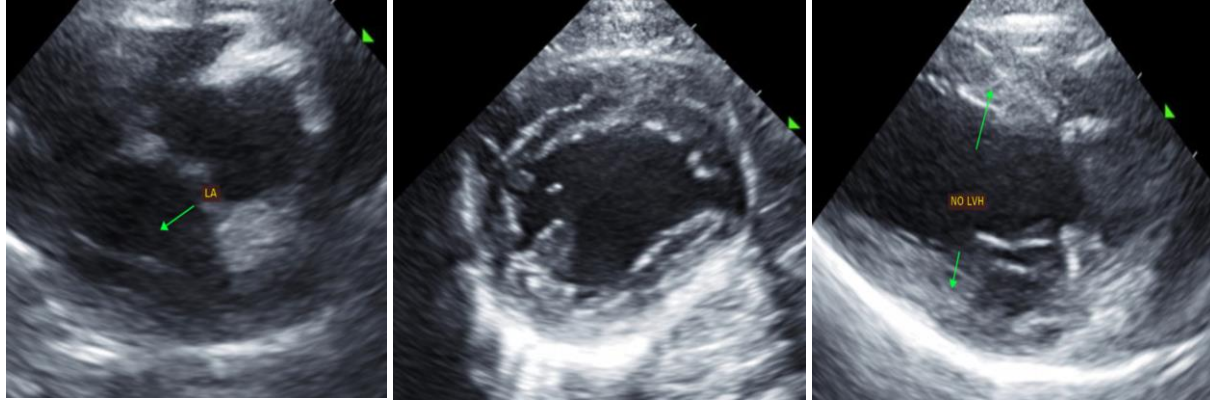
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IMAGES



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. 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.

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