

**PATIENT**

Zak Feldmann

SPECIES

Feline

BREED

Siamese Mix

SEX

Male Neutered

AGE

7.11.12

WEIGHT

11.31lbs

INTERPRETED BYMaggie Machen Lamy,
DVM, DACVIM
(Cardiology)**HOSPITAL NAME**Stevenson Village
Veterinary Hospital**REFERRING VET**

Dr. Rathbun

INVOICE

26992

DATE

10.19.22

PRESENTING CLINICAL SIGNS

History: Presented for dental cleaning under general anesthesia on 9/19/22. A grade 2/6 parasternal systolic murmur was noted that had not been noted on prior examinations.

-Current medications: Cerenia 16mg- ½ EOD since 9/20/2021 (in combination with hydrolyzed diet for underlying mild IBD/food sensitivity).

-Sedation used: Not required to complete full diagnostic ultrasound.

-Pertinent previous ultrasound results: No previous.

-STAT: Not requested.

-Imaging performed by: Stephanie Warga RDCS, RVT.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is irregular with regions of remodeling and thinning. normal in dimension. The systolic function is intact. There is a diffusely hyperechoic endocardium consistent with age-related fibrosis. The papillary muscles are hyperechoic and 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. No MR. The tricuspid valve appears normal in structure and mobility with a mild double jet of TR. The aortic root and ascending segment are mildly dilated with a mild aortic leak, Blood flow through both the LVOT and RVOT are normal in velocity. No effusions. No obvious cardiac tumors.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LWVd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	3.5-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	5.1	NM	0.39	1.68	0.44	52	86
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 (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	1.2	1.3	1.2	0.97	NM	

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

Overtly normal geriatric cardiac structure and function. Significant fibrosis of the left ventricular wall is noted, which may be a normal age-related variant; however, restrictive disease cannot be ruled out. No significant valve leaks are noted, and flow through the great vessels is normal in velocity. The aortic root is dilated and there is a small aortic leak, both which may suggest systemic hypertension. A **baseline BP is highly recommended**. No definitive cause is identified for the murmur in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

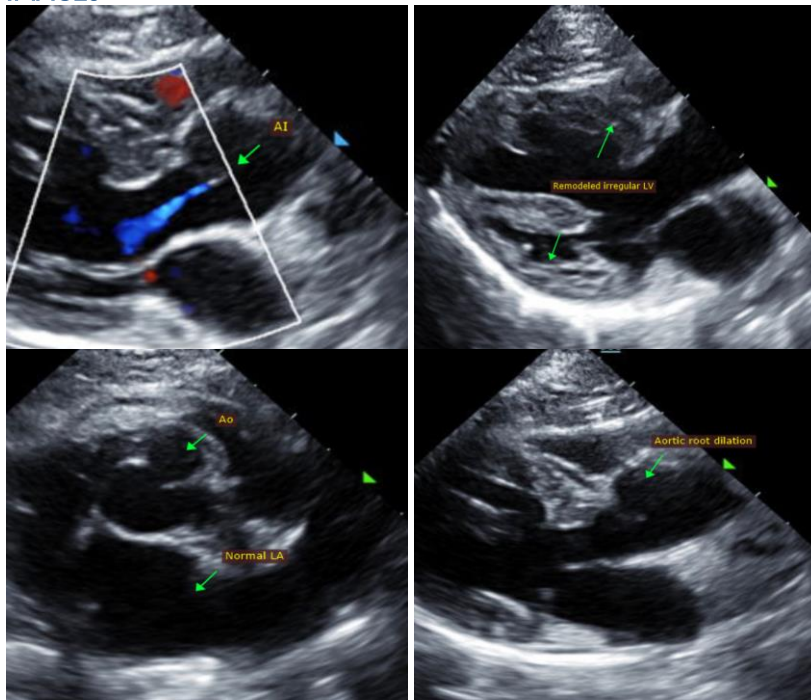
Given these findings and a normal LA dimension, no medications are indicated.

No cardiac contraindication for general anesthesia. Should fluid or steroid therapy be indicated in the future, any cat should be monitored for intolerance (changes in RR/RE).

Monitor at home for signs of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes).

Recommend recheck echocardiogram in 1 year to assess for any progressive issues or development of disease the pre-existing murmur may mask.

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