



PATIENT PRESENTING CLINICAL SIGNS

Lynx Lang History: Grade 2/6 heart murmur. Weight loss. Non-regenerative anemia.
 -Current medication: Methimazole.

SPECIES ECHOCARDIOGRAM FINDINGS

Feline 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 age-related fibrosis. Minimal remodeling. The papillary muscles are hyperechoic. 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. No TR. Blood flow through both the LVOT and RVOT are normal in velocity. Mild AI. No effusions. No obvious cardiac tumors.

BREED

DLH

CARDIAC CHART

SEX

Male Neutered

AGE

14 years

WEIGHT

7.6lbs

INTERPRETED BY

Maggie Machen
 Lamy, DVM, DACVIM
 (Cardiology)

FELINE CARDIAC PARAMETERS	BODY WEIG HT (kg)	HR (BP M)	IVSd (cm) (Moise,Pipers)	LVIDd (cm) (Moise, Pipers)	LWV d (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150 - 240	3.5- 0.55	<2 (mean 1.5)	3.5- 0.55	35- 67	80- 100
PATIENT	3.4	NM	0.51	1.5	0.52	40	76
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)	LVO T VEL (m/s)	RVO T VEL (m/s)	E max (m/s)	
NORMAL	<1.5	<1.3	<1.2	<1.6	<1.3	<0.9	
PATIENT	NM	1.4	1.4	NM	1.2	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.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

HOSPITAL NAME

Brodheads ville VC

REFERRING VET

Dr. Goldstein

INVOICE

31470

DATE

6/21/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overtly normal geriatric cardiac structure and function. Mild fibrosis of the left ventricular wall is noted, which is likely a normal age-related variant. **Mild aortic insufficiency is noted, and a baseline BP is recommended.** No significant valve leaks are noted, and flow through the great vessels is normal in velocity. 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.

These findings would not explain the current clinical signs. Further systemic evaluation should be dictated by the AUS report.



PATIENT 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).

Lynx Lang

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

SPECIES

Feline

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

BREED IMAGES

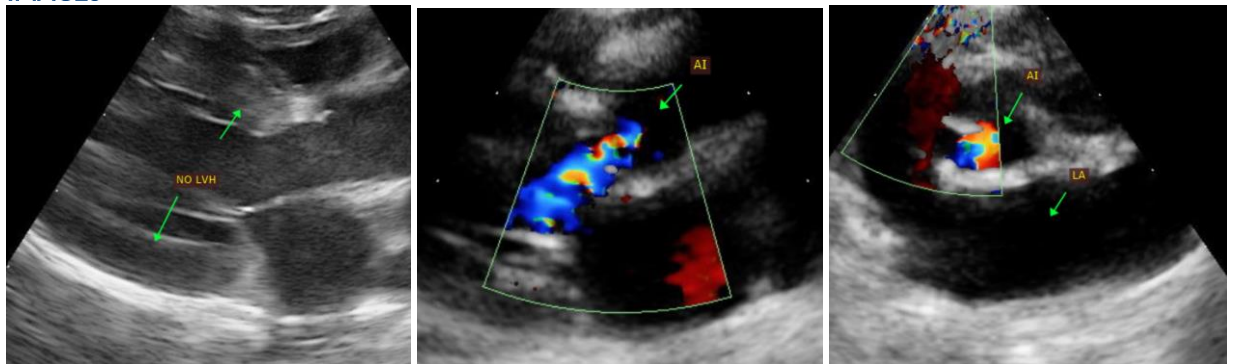
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

Thank you for this referral. 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
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