



PATIENT

Pippin Boucher

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

3 years

WEIGHT

11.42lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

West Hills Animal
Hospital

REFERRING VET

Dr. Remcho

INVOICE

22664

DATE

2/17/22

PRESENTING CLINICAL SIGNS

History: Systolic heart murmur detected at routine physical exam. Heart Rate and Respiratory Rates 170/20.
 -Abnormal PE/Chem/CBC/UA Results: WNL. (T4 2.1 and ProBNP 24).

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is available at both 25 and 10mm/s; 2mm/mV. The average heart rate is 125bpm with a regular rhythm. The rhythm is sinus in origin, with a p for every QRS complex and vice versa. The P wave morphology is positive with a normal dimension. Normal PR. The QRS morphology is positive with normal dimension. MEA is normal. No ectopic beats, pauses or dysrhythmias observed.
 ECG diagnosis: Normal sinus rhythm with respiratory variation.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is largely normal in dimension. Mild endocardial remodeling. Normal papillary muscles. 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. Blood flow through both the LVOT and RVOT is normal in velocity. Trace TR. No obvious additional valve regurgitation seen. No obvious cardiac or extra-cardiac shunts. No pleural or pericardial effusion seen. No obvious cardiac tumors.

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	5.2	150	0.44	1.57	0.42	63	93
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	1.37	1.3	1.1	0.9	0.74	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

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left or right atrial pressure. The valve morphologies appear normal, and there are no obvious cardiac shunts. No obvious cause for the murmur is identified in this study, making it likely physiologic in origin. The ECG is unremarkable with a normal sinus rhythm.

Given these findings, no medications are indicated.

No cardiac contraindication for general anesthesia.



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Recommend recheck echocardiogram in 1 year, to screen for any progressive issues.

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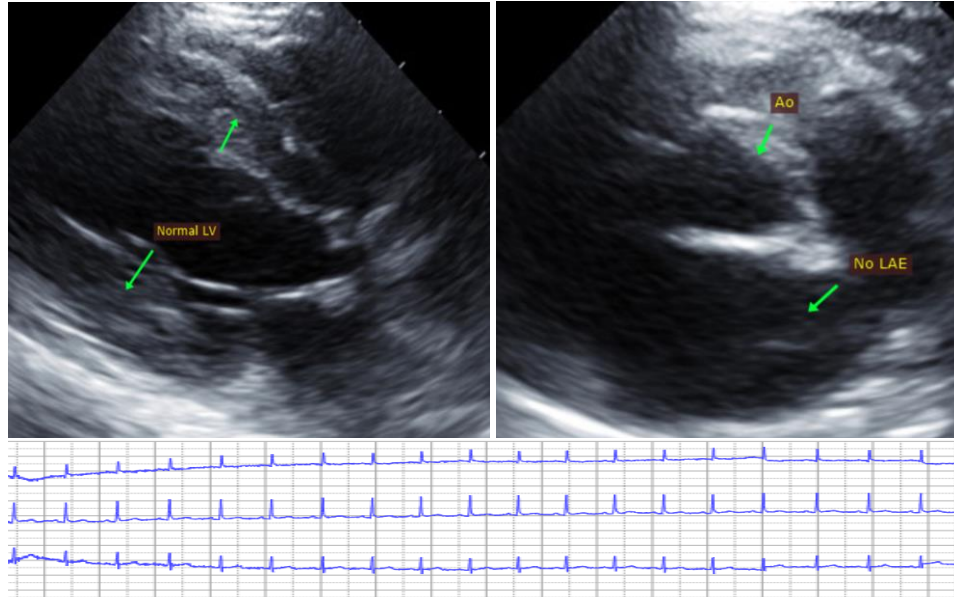
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IMAGES



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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.

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

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