



PATIENT

Bandit Romaro

SPECIES

Feline

BREED

DMH

SEX

Female Spayed

AGE

8.4.13

WEIGHT

8.37lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

HOSPITAL NAME

Cat Hospital at Towson

REFERRING VET

Dr. Brunt

INVOICE

23016

DATE

3.9.22

PRESENTING CLINICAL SIGNS

History: Recheck echo. Persistent grade 2/6 systolic murmur PMI left parasternal.

-Pertinent abnormal PE/Chem/CBC/UA Results: NSF.

-Sedation used: Patient sedated with Gabapentin prior to scan.

-Pertinent previous ultrasound results (8/21/2019 MML): No LVH, LV remodeling, unknown murmur.

-STAT: Not requested

-Imaging performed by: Andi Parkinson, RDMS.

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 papillary muscles are mildly remodeled and hyperechoic. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. No MR or TR. The mitral valve is normal in structure and mobility. Blood flow through the LVOT is normal in velocity. Blood flow through the RVOT is mildly elevated with a dynamic profile. No pleural or pericardial effusion seen. 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>	LVWd (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	3.8	216	0.41	1.2	0.50	41	77
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	1.3	1.1		1.0	1.6	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

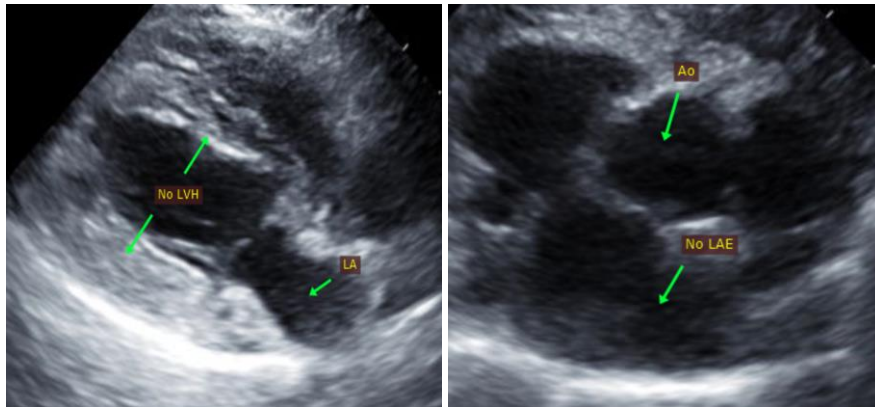
Overtly normal cardiac structure and function persists. The LV appears similar to prior study with no significant hypertrophy, yet significant remodeling. The murmur appears to be due to a dynamic RVOT obstruction, which was not previously documented. This is a benign finding due to elevated heart rates. No additional issues are identified.

Given these findings, no medications are indicated.

Anesthetic risk remains 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.

Recommend recheck echocardiogram annually, sooner if any clinical signs arise.

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.

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