


**PATIENT**

Spoot Mather

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

2 years

**WEIGHT**

8.9lbs; 4.0kgs

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM, DACVIM  
 (Cardiology)

**IMAGING PERFORMED BY**

 Loetitia St-Jacques,  
 LVT/RVT

**HOSPITAL NAME**

 Brighton Greens  
 Veterinary Hospital

**REFERRING VET**

Dr. Janeway

**INVOICE**

21408

**DATE**

10/6/21

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. Grade 2/6 heart murmur. No medications.

-Abnormal lab results: Mild hyperalbuminemia: 4.1g/dL, trace proteinuria.

-Pertinent previous echo findings (1/2021): Normal to borderline LVH (IVSd: 0.53, LVWd: 0.64). No LAE. Mild aortic outflow elevation.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension with no obvious hypertrophy. There is a mildly hyperechoic endocardium consistent with early 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 the RVOT is normal in velocity. Blood flow through the LVOT is borderline elevated. 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>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	4.0	NM	0.46	1.5	0.49	59	91
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	1.2	1.8	1.0	NM	
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i> 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. Mild fibrosis of the left ventricular wall is noted; however, the overall wall thickness is normal. This would indicate the previous measurements were a normal variant with no progressive changes seen here. No significant valve leaks are noted, and flow through the great vessels is largely normal in velocity with borderline LVOT values. This may reflect a stress induced murmur, which is likely physiologic in origin. 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).



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

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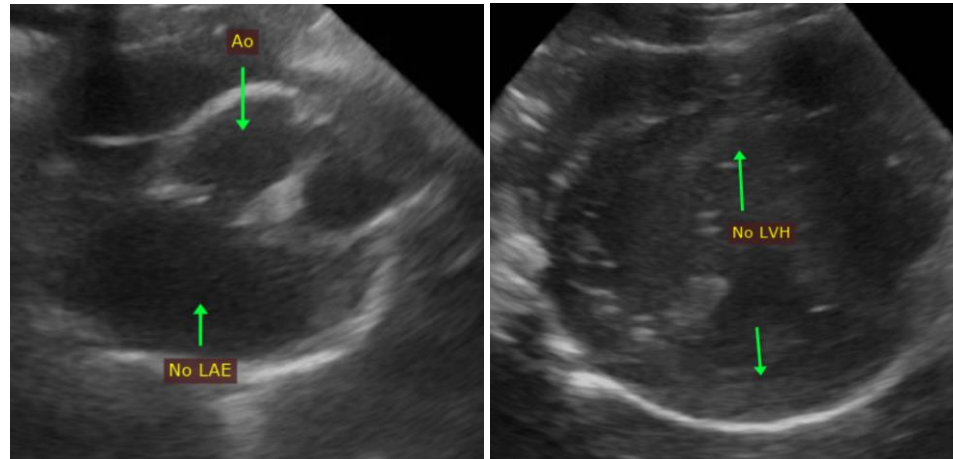
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**IMAGES**



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**  
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