


**PATIENT**

Goose Cloutier

**PRESENTING CLINICAL SIGNS**

History: Had diaphragmatic hernia repaired at referral clinic in November. Panting and very tired episodes after playing. Sedated with Torb, Ketamine, Dexdomitor.

**SPECIES**

Feline

**RADIOGRAPHIC FINDINGS \*NOTE: Images submitted for supplemental cardiac information only.**

(Post hernia repair films are included) Mild cardiomegaly. No obvious evidence of CHF.

**BREED**

Siberian Mix

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular walls are normal in diameter with a hyperechoic endocardium. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. LV is dilated with severely depressed myocardial function. The left atrium is moderately dilated. No mitral regurgitation. The right atrium moderately dilated. The right ventricle appears remodeled as well. The mitral valve is normal in structure and mobility. Blood flow through both the LVOT and RVOT is decreased in velocity. No obvious PI or AI. No effusions seen. No obvious cardiac tumors identified.

**AGE**

11 months

**CARDIAC CHART**
**WEIGHT**

10lbs

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM DACVIM  
 (Cardiology)

**IMAGING PERFORMED BY**

Kelly Reschny, RVT

**HOSPITAL NAME**

 Dog and Cat Clinic of  
 Niagara

**REFERRING VET**

Dr. Haidy

**INVOICE**

29676

**DATE**

3/17/23

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	4.5	160	0.39	1.8	0.43	17	30
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	1.8	1.65	1.65		0.6	0.6	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**

Unfortunately, it is nearly impossible to accurately evaluate a patient's echo parameters using Dexdomitor. In cats specifically, the drug was shown to increase both LA and LV diameters, lower FS and lower blood flow through the great vessels all which are seen here. Given the severity of what is seen here, my assumption is there is some degree of underlying structural disease that is being exacerbated by the sedation protocol. A baseline cannot be established with this study. Highly recommended limited repeat study simply to assess LA and LV dimensions and function without using Dexdomitor in order to establish a baseline. This degree of biatrial dilation is highly concerning going forward and if persistent medications may be warranted depending on these results. Serial echocardiography will be necessary to determine progression.



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Monitor for any development of additional clinical signs at home, including labored breathing, cough or signs of a blood clot (paralysis, neurologic change).

**SPECIES**

Feline

Anesthesia should be performed prior to reassessing a baseline.

Pending follow up results, Pimobendan, an ACE-I and Plavix may all be warranted, assuming there is persistent disease. The patient is experiencing potentially related symptoms and this should be performed ASAP.

**BREED**

Siberian Mix

**SEX**

Male Neutered

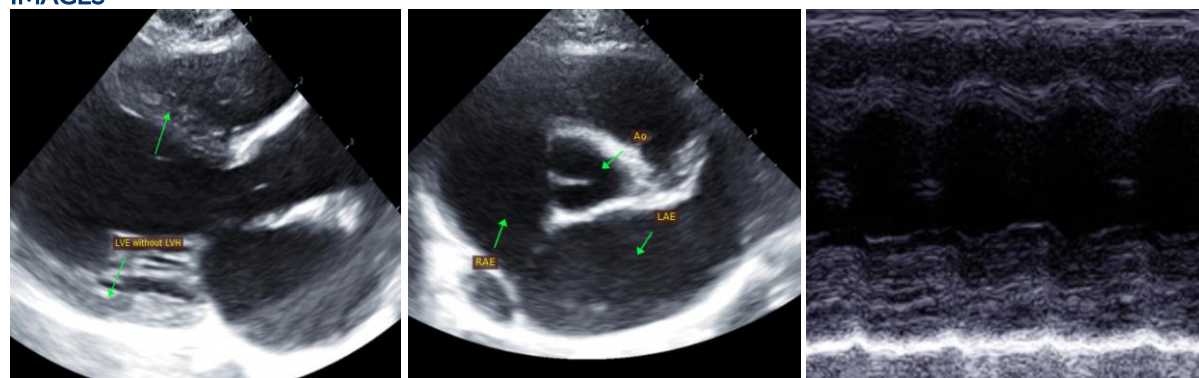
**AGE**

11 months

**WEIGHT**

10lbs

**IMAGES**



**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

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.

**IMAGING PERFORMED BY**

Kelly Reschny, RVT

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)  
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