



**PATIENT**

Jackson Trask

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

6.9 years

**WEIGHT**

14.8lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Melinda Persson, DVM

**HOSPITAL NAME**

At Home Veterinary

**REFERRING VET**

Dr. Melinda Persson

**INVOICE**

47185

**DATE**

3/10/26

**PRESENTING CLINICAL SIGNS**

History: Grade 3/6 heart murmur. Elevated BNP. Assess prior to dental.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic endocardium. The papillary muscles appear mildly remodeled. The left atrium is normal in size. The MV is normal in appearance with no systolic anterior motion seen. No significant MR. Blood flow through the LVOT appears normal with no evidence of obstruction. The right atrium is normal in size. The right ventricle appears normal. The tricuspid valve appears normal in structure and mobility. No TR. Blood flow through the RVOT appears normal; however, an obstruction is suspected on color flow imaging. No evidence of cardiac tumors or metastatic lesions on this scan.

**CARDIAC CHART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
<b>PATIENT</b>	6.7	NM	0.45	1.5	0.52	47	90
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)	
<b>NORMAL</b>	<1.5	<1.3	<1.2	<1.6	<1.3	<0.9	
<b>PATIENT</b>	NM	1.2	1.2	1.0	1.1	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**

The only cause of a murmur identified is a suspect heart rate dependent flow obstruction through the right ventricle (DRVOTO), which is a physiologic finding (i.e., benign and of little clinical significance). This type of flow murmur will wax and wane secondary to tachycardia and volume changes. There is mild LV remodeling and fibrosis, which is likely a normal age-related finding. Regardless, the left atrial dimension is normal, and there is minimal risk for complication at this time. No additional abnormalities are seen.

These findings would likely suggest that BNP elevation in this six-year-old, otherwise healthy cat is likely a false positive result (a known weakness of the test). That being said, ruling alternative causes for elevation is recommended, such as systemic hypertension or hypothyroidism.

Given these findings, no medications are indicated at this time. Prognosis is open.



## PATIENT

If needed, the risk for general anesthesia is low.

Jackson Trask

Risk for complication with steroid use typically follows LA dilation, which in this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.

## SPECIES

Feline

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

## BREED

DSH

## IMAGES

## SEX

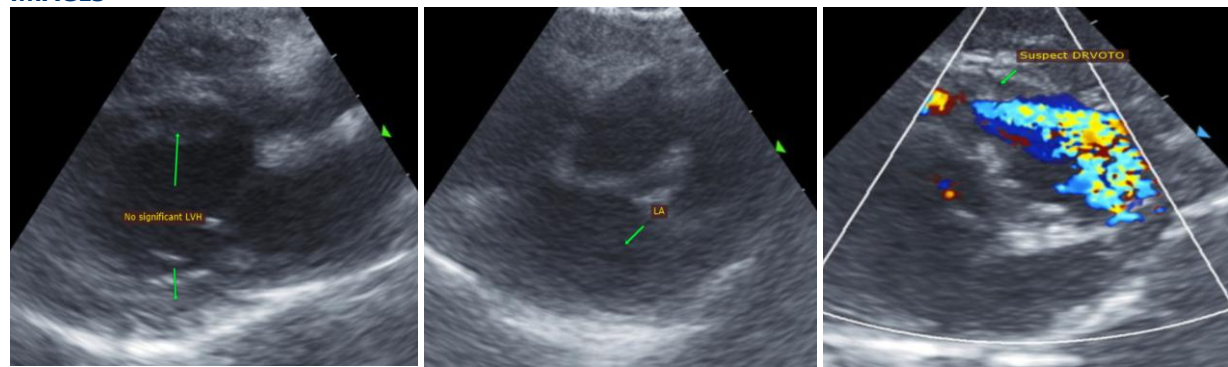
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

## IMAGING PERFORMED BY

Melinda Persson, DVM

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)**  
info@sonopath.com

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