


**PATIENT**

Sienna Knutson

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. Study in 2020 showed a mass or thrombus (described as a mass effect) in the LA (without LAE). Resolved on the 2021 study. No medications since 2020.

-Pertinent previous echo findings (2/2021 JO): NSF without LAE or LVH.

**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 consistent with mild fibrosis. The endocardium also appears mildly remodeled. The papillary muscles are normal in size and 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 obvious valve regurgitation. Blood flow through both the LVOT and RVOT is normal in velocity. 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	9.5	218	0.49	1.3	0.41	59	91
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	NM	1.1	1.2	0.9	1.2	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.

**INTERPRETED BY**

 Maggie Machen  
 Lamy, DVM, DACVIM  
 (Cardiology)

**IMAGING PERFORMED BY**

 Melissa Weisman,  
 DVM

**HOSPITAL NAME**

 Minnesota Veterinary  
 Ultrasound

**REFERRING VET**

Dr. Weisman

**INVOICE**

26677

**DATE**

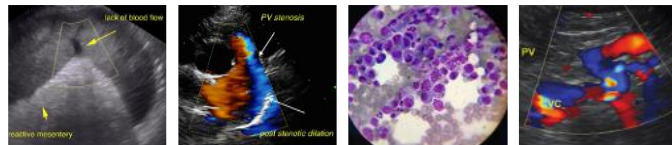
10/3/22

**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 atrial pressure or underlying pathology at this time. There is mild remodeling and fibrosis of the left ventricular wall, which is considered likely a normal age-related finding. Given these findings, no medications are indicated.

The history is highly unusual; however, what is seen here reflects low risk for cardiogenic thrombus. No treatment is warranted at this time and the prognosis is good.

Anesthetic risk is considered 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. 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.



**PATIENT**

Sienna Knutson

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

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**AGE**

15 years

**WEIGHT**

21lbs

**INTERPRETED BY**

Maggie Machen Lamy, DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Melissa Weisman, DVM

**HOSPITAL NAME**

Minnesota Veterinary Ultrasound

**REFERRING VET**

Dr. Weisman

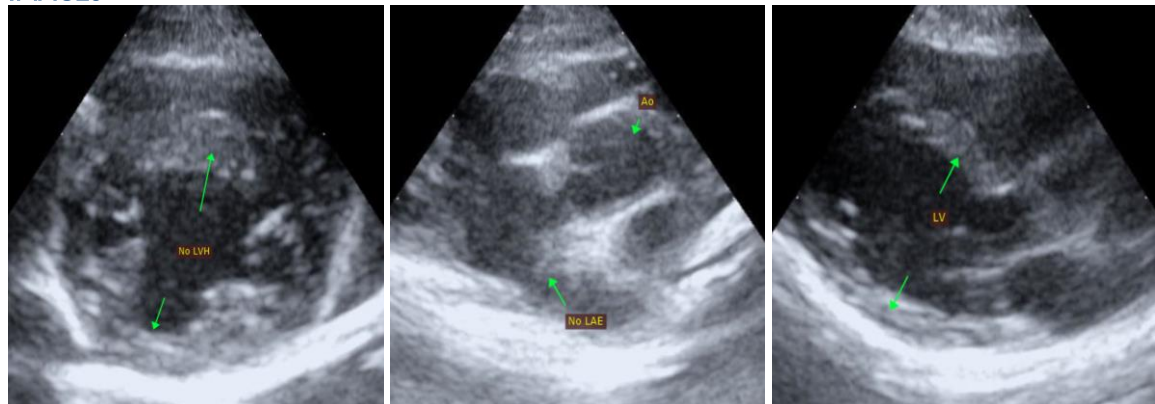
**INVOICE**

26677

**DATE**

10/3/22

**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**  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com