


**PATIENT**

Tinker Hurst

**PRESENTING CLINICAL SIGNS**

History: Grade 1-2/6 heart murmur. Assess prior to dental.

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall appears mildly remodeled with mild focal septal thickening. The free wall measures normal. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly hypertrophied and hyperechoic. The endocardium also appears remodeled. 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. Blood flow through the LVOT is normal in velocity. The RVOT velocity is elevated with a dynamic profile. No AI, PI. No TR or MR. No pleural or pericardial effusion seen. No obvious cardiac tumors.

**CARDIAC CHART**

	<b>FELINE CARDIAC PARAMETERS</b>	<b>BODY WEIGHT (kg)</b>	<b>HR (BPM)</b>	<b>IVSd (cm)</b> <small>(Moise, Pipers)</small>	<b>LVIDd (cm)</b> <small>(Moise, Pipers)</small>	<b>LVWd (cm)</b> <small>(Moise, Pipers)</small>	<b>FS (%)</b>	<b>EF (%)</b>
<b>AGE</b> 15 years	<b>NORMAL PARAMETER</b>	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
<b>WEIGHT</b> 6.4lbs	<b>PATIENT</b>	2.9	NM	0.62	1.2	0.40	60	94
<b>INTERPRETED BY</b> Maggie Machen Lamy, DVM DACVIM (Cardiology)	<b>FELINE CARDIAC PARAMETERS</b>	<b>LA/AO</b> <small>(Boon)</small>	<b>LA/AO HEART BASE (Swe)</b> <small>(Abbott)</small>	<b>LA</b> 2D short axis Base view <b>(cm)</b> <small>(Abbott)</small>		<b>LVOT VEL</b>  <small>(m/s)</small>	<b>RVOT VEL</b>  <small>(m/s)</small>	<b>E max</b>  <small>(m/s)</small>
	<b>NORMAL</b>	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
	<b>PATIENT</b>	1.1	1.3	1.0		1.4	2.1	NM
<p><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 &amp; 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.</p>								

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The only abnormality identified is a mild focal septal thickening. This may be indicative of early cardiac disease or may simply represent a normal variant in this senior cat. A screening BP and T4 are highly recommended. Regardless, the LA remains normal which would indicate clinical stability. Serial echocardiography will be necessary to determine progression and clinical significance. Additionally, the murmur is benign in origin due to a dynamic RVOT obstruction. This commonly occurs secondary to volume or heart rate changes.

**INVOICE**

32155

**DATE**

8/4/23

With a normal LA dimension, no medications are indicated.

Anesthetic risk is mild, however any cat with this degree of fibrosis and diastolic dysfunction will be at risk for iatrogenic IV fluid overload should they be needed in the future.

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

**HOSPITAL NAME**

 Parkside Animal  
 Hospital

**REFERRING VET**

Dr. Zak



**PATIENT**

Tinker Hurst A recheck echocardiogram is recommended in 6-12 months to screen for any evidence of progression.

**SPECIES**

Feline

**BREED**

DSH

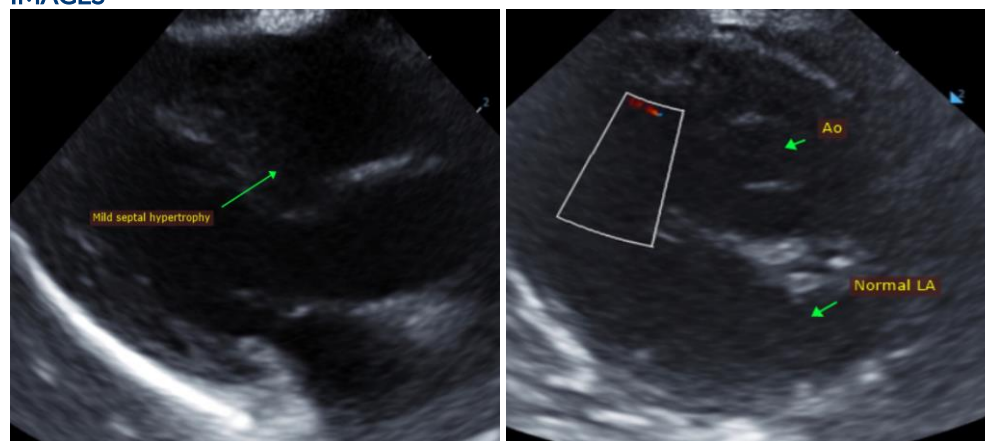
**SEX**

Female Spayed

**AGE**

15 years

**IMAGES**



**WEIGHT**

6.4lbs

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.

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

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

**IMAGING PERFORMED BY**

Kelly Reschny, RVT

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Hospital

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