



**PATIENT**

Gertie Gonsalves

**PRESENTING CLINICAL SIGNS**

History: 1lb weight loss over 1 yr period. Patient has Perio 4 dental disease. No heart murmur noted on exam. Normal T4. 41ProBNP 158. Echo pre-anesthetic. BP: 133, 135, 139 mmHg

**SPECIES**

Feline

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and Doppler imaging is available.

**BREED**

DSH

**Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are decreased with diffuse remodeling. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The papillary muscles are mildly remodeled and hyperechoic. Exuberant fibrosis banding throughout the apex.

**SEX**

Female Spayed

**Left atrium:** The left atrium is normal in dimension. No obvious spontaneous contrast or thrombi seen.

**AGE**

12 years

**Mitral valve:** The mitral valve is normal in structure and mobility with no mitral regurgitation. No obvious systolic anterior motion is seen.

**Aortic valve/aorta:** The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

**WEIGHT**

5.32lbs

**Right ventricle:** Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

**Right atrium:** The right atrium is normal in dimension.

**Tricuspid valve:** The tricuspid valve appears normal with trace tricuspid regurgitation.

**Pulmonic valve/pulmonary artery:** The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

**Pericardium/other:** No pericardial or pleural effusion noted. No obvious cardiac masses.

**Heart rhythm:** ECG reveals a sinus rhythm with an average HR of 180bpm.

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**2-Dimensional Measurements**

Ao diam (cm)	0.9
LA diam (cm)	1.1
LA:Ao (Swe)	1.1
IVS thickness (cm)	0.32
LVID diastole (cm)	1.1
PW thickness (cm)	0.31
LVID systole (cm)	0.5
FS (%)	56

**Doppler Measurements**

PV Vmax (m/s)	0.71
AoV Vmax (m/s)	0.9
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**IMAGING**

**PERFORMED BY**

Pamela Harrigan,  
RDMS

**HOSPITAL NAME**

Anchor Animal  
Hospital

**INTERPRETATION OF THE FINDINGS**

The primary abnormality identified is a highly remodeled left ventricle with exuberant fibrosis tissue. This is more than is expected and there is great concern, this may reflect early restrictive disease (RCM). This is also interpreted in light of an elevated BNP value.

**REFERRING VET**

Dr. Pietsch

The LA is normal indicating low risk for complication at this time. Serial echocardiography will be necessary to determine progression.

**RECOMMENDATIONS**

**INVOICE**

25642

- Given these findings, no medications are indicated.
- The risk for general anesthesia is low, however heart rate stimulating drugs such as atropine, glycopyrrolate, etc. should be avoided unless medically necessary. With this degree of LV remodeling there may be an elevated risk for fluid overload in this patient and judicious IV fluid use is recommended.

**DATE**

7/21/22



**PATIENT**  
 Gertie Gonsalves

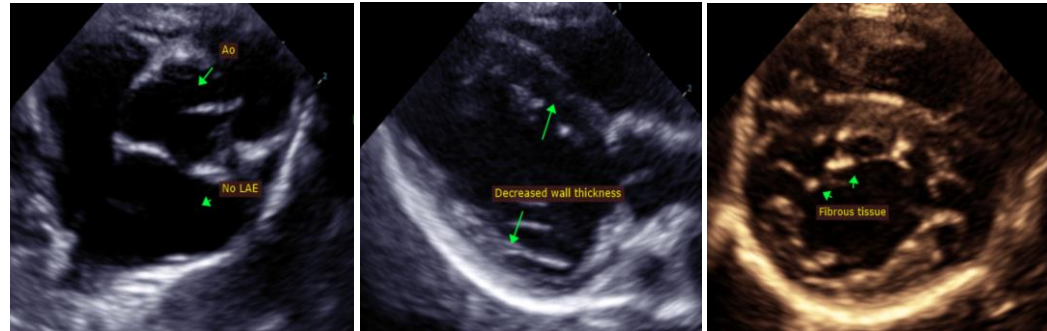
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc).

**SPECIES**  
 Feline

- PLAN**
- Recommend recheck echocardiogram in 6-12 months to reassess murmur origin and screen for progressive LA dilation.

**BREED**  
 DSH

**IMAGES**



**SEX**  
 Female Spayed

**AGE**  
 12 years

**WEIGHT**  
 5.32lbs

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**

Pamela Harrigan,  
 RDCS

**HOSPITAL NAME**

Anchor Animal  
 Hospital

**REFERRING VET**

Dr. Pietsch

**INVOICE**  
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