

**PATIENT**  
Angel Wing Shepard

**SPECIES**  
Feline

**BREED**  
Himalayan

**SEX**  
Female Intact

**AGE**  
2 years

**WEIGHT**  
5.19lbs

**INTERPRETED BY**  
Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**IMAGING  
PERFORMED BY**  
Pamela Harrigan,  
RDCS

**HOSPITAL NAME**  
Mass Veterinary  
Specialty Services

**REFERRING VET**  
Dr. Masloski

**INVOICE**  
20921

**DATE**  
9/8/21

**PRESENTING CLINICAL SIGNS**

History: Angel Wing is referred to evaluate a murmur noted at time of spay. Frequent sneezing with discharge. Normal respirations and activity level. Angel Wing has had two litters---the first one a litter of 3 all of whom died and the second a litter of 4 two of whom died. CV/RESP: NSR, no murmurs noted, PSS, lung fields clear, compressible thorax. BP: 110mmHg x 3.

**ECHOCARDIOGRAM FINDINGS**

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

**Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are normal. The papillary muscles are normal. The endocardium appears normal.

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

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

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

**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 no 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 188bpm.

**2-Dimensional Measurements**

Ao diam (cm)	0.8
LA diam (cm)	0.8
LA:Ao (Swe)	1.0
IVS thickness (cm)	0.3
LVID diastole (cm)	1.4
PW thickness (cm)	0.3
LVID systole (cm)	0.6
FS (%)	57

**Doppler Measurements**

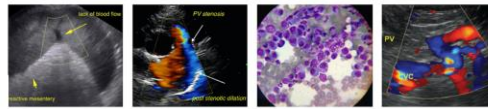
PV Vmax (m/s)	0.7
AoV Vmax (m/s)	0.95
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**INTERPRETATION OF THE FINDINGS**

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. No obvious congenital defects are seen at this time. No cause for the murmur is identified in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

**RECOMMENDATIONS**

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia.
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).



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Angel Wing Shepard

**PLAN**  
Recommend recheck echocardiogram in 1 year to reassess murmur origin and screen for development of disease the pre-existing murmur may mask.

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Feline

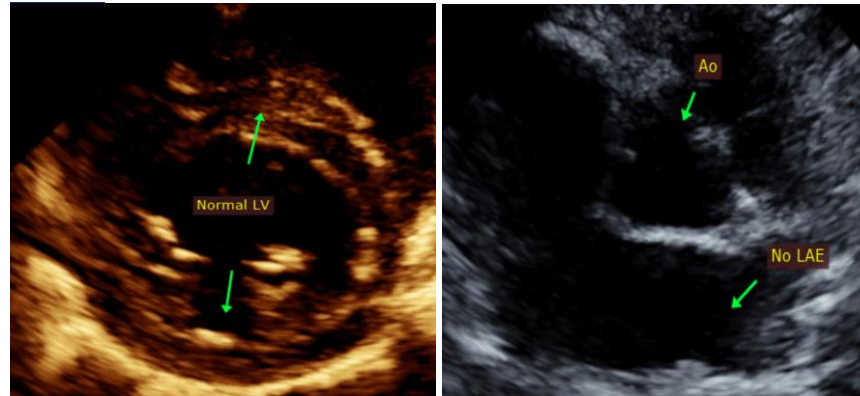
**IMAGES**

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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.

**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)  
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**IMAGING PERFORMED BY**  
Pamela Harrigan,  
RDCS

Echocardiogram performed by: Pamela Harrigan, RDCS  
Pet Animal Ultrasound Service (4paus.com)

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