



PATIENT

Powder Shea

PRESENTING CLINICAL SIGNS

History: Grade II/VI heart murmur first detected 9/2021. No clinical signs.

SPECIES

Feline

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 largely normal with a borderline focal septal bulge. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The endocardium appears mildly remodeled. The papillary muscles are mildly remodeled and hyperechoic.

BREED

Himalayan Mix

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

SEX

FS

Mitral valve: The mitral valve is normal in structure. Systolic anterior motion is seen on 2D imaging. Mild eccentric MR.

AGE

18 years

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. The aortic outflow velocity appears normal with a fixed profile on left apical views; however, an increased velocity is suspected on right lateral imaging. No aortic insufficiency.

WEIGHT

7.5lbs

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. Mildly increased RVOT velocity.

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

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 210bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.0
LA diam (cm)	1.0
LA:Ao (Swe)	1.0
IVS thickness (cm)	0.56
LVID diastole (cm)	1.1
PW thickness (cm)	0.46
LVID systole (cm)	0.4
FS (%)	68

Doppler Measurements

PV Vmax (m/s)	2.0
AoV Vmax (m/s)	1.4
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

MVA

INTERPRETATION OF THE FINDINGS

Overtly normal geriatric cardiac structure and function are identified. Remodeling and fibrosis of the left ventricular wall is noted, which is likely a normal age-related variant. A borderline septal bulge is noted, which may suggest early hypertrophic disease. A dynamic RVOT and LVOT obstruction is suspected, although findings are inconsistent on Spectral Doppler (likely suggesting a waxing and waning pattern). These both appear benign without significant LV hypertrophy and simple follow up is advised in this senior cat. This finding is exacerbated by tachycardia and/or volume changes. No additional issues are identified and the LA appears normal.

REFERRING VET

Dr. Art

INVOICE

28334

Prognosis is guarded given the age of the patient.

DATE

1/13/23



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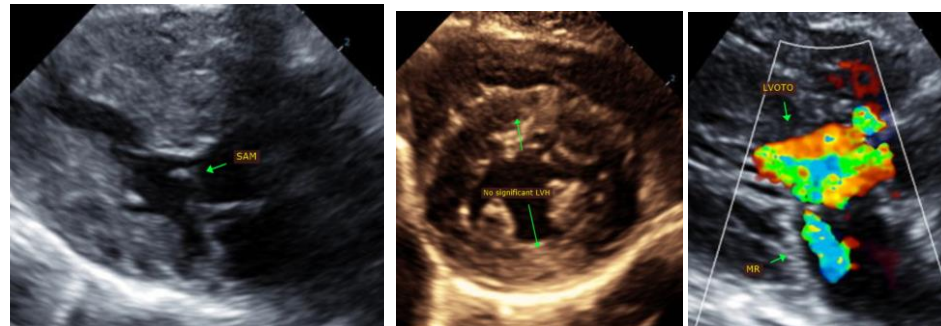
RECOMMENDATIONS

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia. Should fluid or steroid therapy be indicated in the future, any senior cat should be monitored for intolerance (changes in RR/RE).
- Monitor at home for signs of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes).

PLAN

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

IMAGES



INTERPRETED BY

Maggie Machen
 Lamy, DVM
 DACVIM (Cardiology)

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. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

IMAGING PERFORMED BY

Pamela Harrigan,
 RDCS

Maggie Machen Lamy, DVM
 Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
 info@sonopath.com

Echocardiogram performed by:

Pamela Harrigan, RDCS
 Pet Animal Ultrasound Service (4paus.com)

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