



PATIENT
Sunkist Halfpenny

PRESENTING CLINICAL SIGNS

History: New grade II/VI heart murmur, no clinical signs. BP: 140mmHg (average x5) Rads: mild Cardiomegaly, pulmonary congestion.

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 normal with regions of asymmetry. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles appear hyperechoic. The endocardium is irregular.

SEX
Male Neutered

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

AGE
11 years

Mitral valve: The mitral valve is normal in structure and mobility. Suspicion for systolic anterior motion on 2D imaging. No mitral regurgitation.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Mildly elevated aortic outflow velocity with a dynamic profile. No aortic insufficiency.

WEIGHT
14.5lbs

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 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.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.2
LA diam (cm)	1.4
LA:Ao (Swe)	1.3
IVS thickness (cm)	0.50
LVID diastole (cm)	1.3
PW thickness (cm)	0.52
LVID systole (cm)	0.8
FS (%)	40

Doppler Measurements

PV Vmax (m/s)	0.75
AoV Vmax (m/s)	3.9
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING PERFORMED BY

Pamela Harrigan,
RDCE

INTERPRETATION OF THE FINDINGS

HOSPITAL NAME

Compassion
Veterinary Clinic

Overtly normal structure and function are documented in this study. The LV wall thickness is normal albeit irregular, and there is no evidence of elevated left atrial pressure. The murmur appears to be due to intermittent LVOTO, which is of unknown significance at this time; however, monitoring is advised as this may be the first marker for HOCM in the future. There is remodeling and fibrosis of the left ventricular wall, which should be monitored for progression. No additional issues are identified.

REFERRING VET

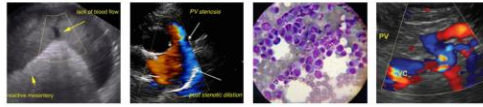
Dr. Patil

These findings would make cardiomegaly a normal variant on chest radiographs and pulmonary congestion unlikely. Consider alternative explanations.

INVOICE
27267

Prognosis is open prior to monitoring for progression.

DATE
11/3/22



PATIENT

Sunkist Halfpenny

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

11 years

WEIGHT

14.5lbs

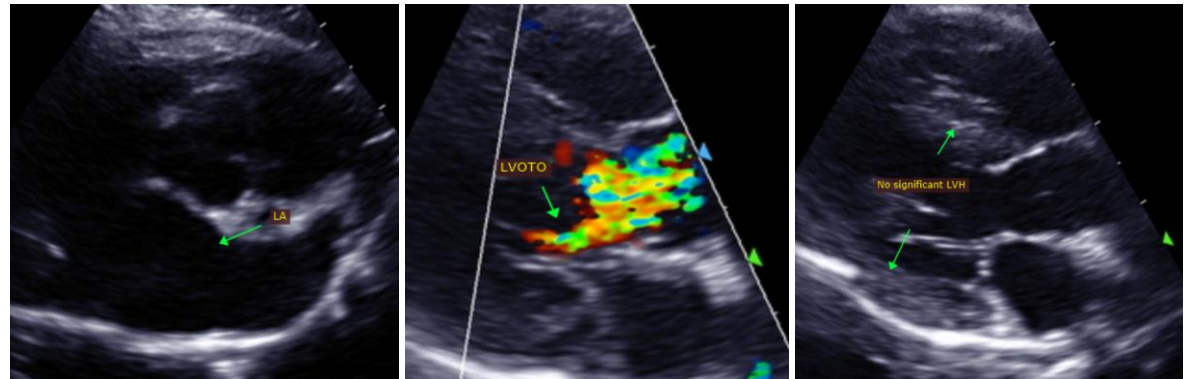
RECOMMENDATIONS

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised. Avoid heart rate stimulating drugs such as Atropine unless clinically indicated.
- Monitor for any change in breathing rate or effort, or signs of a blood clot event.

PLAN

- Recheck echocardiogram is recommended in 6-12 months to screen for progression.

IMAGES



INTERPRETED BY

Maggie Machen
 Lamy, DVM
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
 RDCS

HOSPITAL NAME

Compassion
 Veterinary Clinic

REFERRING VET

Dr. Patil

INVOICE

27267

DATE

11/3/22

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