



PATIENT

Inky Foster

SPECIES

Feline

BREED

DSH

SEX

Male Neutered

AGE

7 years

WEIGHT

12.8lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Union Lake
Veterinary Hospital

INVOICE

24893

DATE

6/21/22

PRESENTING CLINICAL SIGNS

History: Recheck echo.

-Current medications: Atenolol 25mg - 1/4 T PO BID. Use Gabapentin 50mg 1 - 2 T BID-TID and Zylkeen 75mg 1C.

-Abnormal lab results: Creatine Kinase high at 801.

-Sedation: Butorphanol.

-Pertinent previous echo findings (8/2019): HOCM LA 1.3 IVSd 0.58cm LVPWd 0.53cm, mild SAM

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is borderline normal in dimension. There is a diffusely hyperechoic endocardium consistent with fibrosis. Kissing lesion on the IVS. The papillary muscles are mildly remodeled 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 mildly thickened with systolic anterior motion visualized on 2D imaging. Mild LVOTO with secondary MR at higher heart rates. Blood flow through the RVOT is normal in velocity. No pleural or pericardial effusion seen. No obvious cardiac tumors.

CARDIAC CHART

| FELINE CARDIAC PARAMETERS | BODY WEIGHT (kg) | HR (BPM) | IVSd (cm) <small>(Moise, Pipers)</small> | LVIDd (cm) <small>(Moise, Pipers)</small> | LVWd (cm) <small>(Moise, Pipers)</small> | FS (%) | EF (%) |
|---------------------------|--------------------------------|--|---|--|---|-----------------------|--------------------|
| NORMAL PARAMETER | ----- | 150-240 | 0.35-0.55 | <2 (mean 1.5) | 3.5-0.55 | 35-67 | 80-100 |
| PATIENT | 5.8 | NM | 0.56 | 1.2 | 0.58 | 58 | 94 |
| FELINE CARDIAC PARAMETERS | LA/AO <small>(Boon)</small> | LA/AO HEART BASE (Swe) <small>(Abbott)</small> | LA 2D short axis Base view (cm) <small>(Abbott)</small> | | LVOT VEL (m/s) | RVOT VEL (m/s) | E max (m/s) |
| NORMAL | <1.5 | <1.3 | <1.2 | | <1.6 | <1.3 | <0.9 |
| PATIENT | NM | 1.3 | 1.2 | | 2.5 | 0.6 | NM |

**Note: All measurements based upon multi-modal images and methods. An average value is reported.*

Adapted from June Boon, Veterinary Echocardiography, 1998

Abbott J & 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.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hypertrophic obstructive cardiomyopathy (HOCM) persists with evidence of stability. The LV wall dimensions are unchanged and only borderline increased, and the LA remains normal. The previously noted LVOTO is similar and appears well controlled on atenolol. No additional issues are identified.

Given these findings, continue Atenolol as prescribed. Ensure the heart rate is within the target zone lifelong (140-160bpm stressed).

Monitor at home for any respiratory signs or blood clot events (neurologic change, paralysis, etc.). Anesthetic risk is considered mild, however judicious IV fluid rates are advised to avoid fluid



PATIENT

Inky Foster

overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (ketamine, glycopyrrolate, atropine).

SPECIES

Feline

PLAN

Continue Atenolol as prescribed. Screening blood pressure and T4 are recommended every 6 months.

BREED

DSH

Recommend recheck echocardiogram annually to assess for progression, sooner if clinical issues arise.

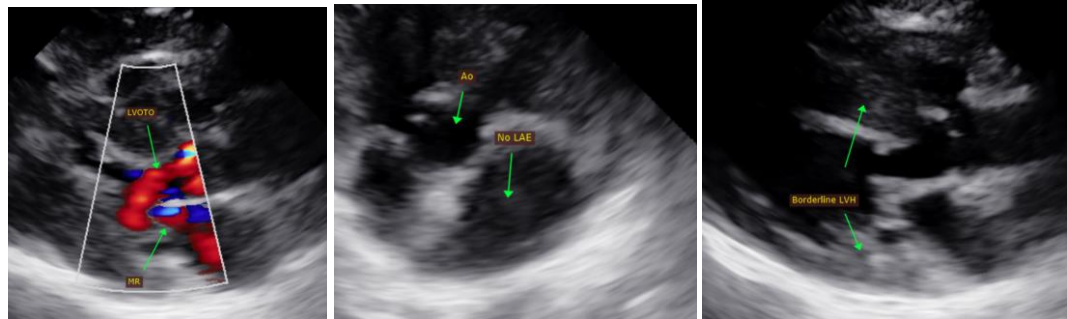
SEX

Male Neutered

IMAGES

AGE

7 years



WEIGHT

12.8lbs

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. 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

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Union Lake Veterinary Hospital

INVOICE

24893

DATE

6/21/22