



## PRESENTING CLINICAL SIGNS

History: Grade 3/6 left systolic murmur. Elevated NT-proBNP.

## DATE

3/21/23

## ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

## PERFORMED BY:

Tom McNeill

## INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

There is mild, approaching mild to moderate, left atrial dilation. The mitral valve appears normal, though mild mitral regurgitation is present. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

LA/Ao – 1.84  
IVSd – 4.6 mm  
LVPWd – 4.1 mm  
LVIDd – 14.7 mm  
LVIDs – 6.0 mm  
FS – 59%  
RA – 11.0 mm  
LVOT – 0.64 m/s  
RVOT – 0.84 m/s

## PATIENT

Muffin Hoppe

## SPECIES

Feline

## ELECTROCARDIOGRAPHIC FINDINGS

A single lead ECG is submitted for review.

HR: 176 bpm  
Rhythm: Sinus

## BREED

Persian

Normal sinus rhythm is present throughout this recording. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

## ASSESSMENT/RECOMMENDATIONS

### SEX

FS

Muffin's echocardiogram demonstrates mild, approaching mild to moderate, dilation of her left atrium, with differentials for this finding including a restrictive cardiomyopathy, atrial myopathy, and cardiac thyrotoxicosis. Muffin's cardiac disease is still compensated, however, she is at risk for the development of congestive heart failure and/or thromboembolic disease, therefore, careful monitoring for clinical signs associated with these conditions is recommended.

### AGE

8 y

No abnormalities are appreciated in Muffin's ECG.

A T4 level is recommended.

## WEIGHT

7 lb

I recommend starting Muffin on clopidogrel (18.75 mg SID), as this medication should help to reduce her risk for cardiac thrombus formation.

## HOSPITAL NAME

SVS Imaging CT

A recheck echocardiogram is recommended in 6 months. Thoracic radiographs are recommended if Muffin experiences respiratory clinical signs.

## REFERRING VET

Dr. Metzger



DATE

3/21/23

PERFORMED BY:

Tom McNeill

INTERPRETED BY

Keith Blass, DVM,  
MS, 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.

PATIENT

Muffin Hoppe

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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631-804-5754

SPECIES

Feline

BREED

Persian

SEX

FS

AGE

8 y

WEIGHT

7 lb

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Dr. Metzger