



## PATIENT

Katniss Bruce

## SPECIES

Feline

## BREED

DSH

## SEX

Female Spayed

## AGE

7 years

## WEIGHT

7lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Kara Wallisch,  
DVM

## HOSPITAL NAME

Sondel Family  
Veterinary Clinic

## REFERRING VET

Dr. Wallisch

## INVOICE

24800

## DATE

6/15/22

## PRESENTING CLINICAL SIGNS

History: Recheck echo. Previously diagnosed with HOCM without LAE (no further information available). Doing well.

-Current medications: Atenolol – no dose provided.

## ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic endocardium consistent with fibrosis and ventricular remodeling. Mild papillary muscle remodeling. The right ventricle is subjectively normal in size and morphology. There is no left atrial enlargement present. No right atrial enlargement present. Normal RVOT velocity. Mild systolic anterior motion (SAM) of the mitral valve is seen on 2D imaging (not captured on Spectral or color flow). No other significant valvular regurgitation is present. There is no pericardial effusion noted. No pleural effusion appreciated. No obvious cardiac tumors.

## CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	3.2	NM	0.48	1.2	0.50	52	90
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)	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	1.2	1.3	1.5	0.7	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

Essentially normal dimensions and function is seen in this study. No significant LV hypertrophy is noted, and the LA is normal. Systolic anterior motion (SAM) is seen on 2D imaging; however, this is inconclusive on color flow or Spectral doppler. The history suggest an LVOTO, which may have improved on Atenolol therapy. No additional issues are identified.

It is difficult without the prior echo results to do a direct comparison; however, what is seen here is considered extremely mild. This may reflect a difference in interpretation or may indicate true improvement on the medication. No heart rate is provided despite Atenolol therapy. It is important to note that the target is 140-160bpm stressed. The dose should be adjusted if indicated. No indication for additional medications at this time.

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



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

**SPECIES**

Feline

**PLAN**

Continue Atenolol with dose titration if indication.

**BREED**

DSH

Screening blood pressure and T4 are recommended every 6 months.

Recommend recheck echocardiogram in 6-12 months to assess for progression, sooner if clinical issues arise.

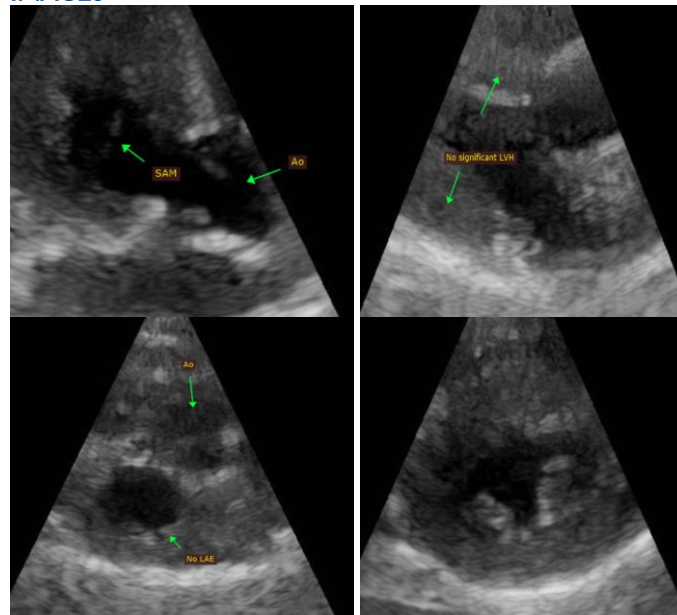
**SEX**

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**IMAGES**

**AGE**

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**WEIGHT**

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DVM, DACVIM  
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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.

**IMAGING PERFORMED BY**

Kara Wallisch,  
DVM

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.

**HOSPITAL NAME**

Sondel Family  
Veterinary Clinic

**REFERRING VET**

Dr. Wallisch

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