



PATIENT

Fritz Blount

SPECIES

Feline

BREED

DLH

SEX

Male Neutered

AGE

2 years

WEIGHT

16lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

Dr. Lowrey

INVOICE

22499

DATE

2/10/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. Previously diagnosed via ultrasound with restrictive perimembranous VSD in Jan 2021. Doing well, not on any medications.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The LV chamber is borderline increased in diastole. A small restrictive VSD is seen just below the aortic valve; confirmed on color flow and Spectral. The shunt is left to right based on color flow (max velocity not assessed). The left atrium is normal in size. Normal aortic root. The right atrium is normal in size. The right ventricle appears normal. The MPA is normal. The mitral valve is normal in structure and mobility. Blood flow through the RVOT is normal in velocity. There is no pleural or pericardial effusion seen.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (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	7.3	200	0.46	1.7	0.47	49	84
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	1.4	1.1	1.1		1.4	1.2	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

A restrictive perimembranous ventricular septal defect (VSD) is identified as was previously documented. The defect is small in dimension, with high velocity left to right flow. There is no evidence of left heart volume overload or relative pulmonic stenosis at this time. No additional issues are identified.

Small shunts in cats are often of minimal lifelong clinical significance; however, lifelong monitoring is advised. No cardiac medications are indicated at this time. Anesthetic risk is low, however mild IV fluid restriction is advised.

Recommend recheck in 1 year to screen for any progressive dilation. Monitor at home for any associated clinical signs, including respiratory changes or signs of a thrombus.

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svsmobileimaging.com 309 - 737 - 3070



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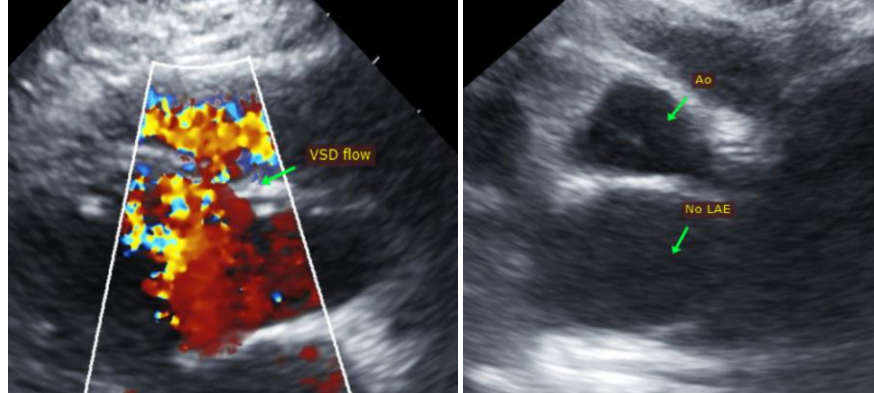
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IMAGES



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.

Maggie Machen Lamy, DVM
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