

PATIENT

Storm Sheridan

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

6 Months

WEIGHT

2.82 kg

INTERPRETED BY

Camden Rouben,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Dr. Ethan Bloomer

HOSPITAL NAME

Echosound Veterinary
Mobile Imaging
Services

REFERRING VET

Dr. Lorna McLeod

INVOICE

14712

DATE

03/27/26

PRESENTING CLINICAL SIGNS

- Patient has a Grade 3-4/6, loud, systolic heart murmur. Patient is doing well clinically with no other abnormalities reported. Echocardiogram was recommended to see if further care or referral is needed for this case.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	2.86	NM	3.9 mm	1.67	4.9 mm	54.79	88.08
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
PATIENT	1.18	1.17	12.3 mm		--	--	NM
Adapted from June Boon, Veterinary Echocardiography, 1998							
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

EPSS: 0.5

Cardiac Presentation

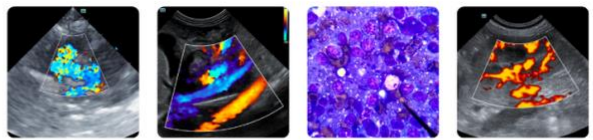
Based off of the images provided, the left atrial size is normal. The mitral valve subjectively appears normal. There is no significant evidence of mitral regurgitation. The left ventricular internal dimension is within normal limits. The systolic function and diastolic function subjectively appear normal. The aortic valve appears to have normal morphology and there is no significant evidence of insufficiency. There is concern for a small perimembranous, primarily left-to-right shunting and ventricular septal defect. The right atrium subjectively appears normal. The tricuspid valve and the right ventricle subjectively appear to have normal morphology, structure and function. There is no evidence of pericardial effusion, pleural effusion or intracardiac masses based off of the images provided.

ULTRASONOGRAPHIC FINDINGS

- This patient appears to be diagnosed with a small perimembranous restrictive ventricular septal defect.
- Left-to-right shunting.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This is a congenital heart defect. Most cats that do have restrictive ventricular septal defects are not at risk for a shortened lifespan or experiencing clinical signs. Since this is a congenital defect and patients with VSDs can have other congenital heart defects, it is recommended that this patient be imaged by a



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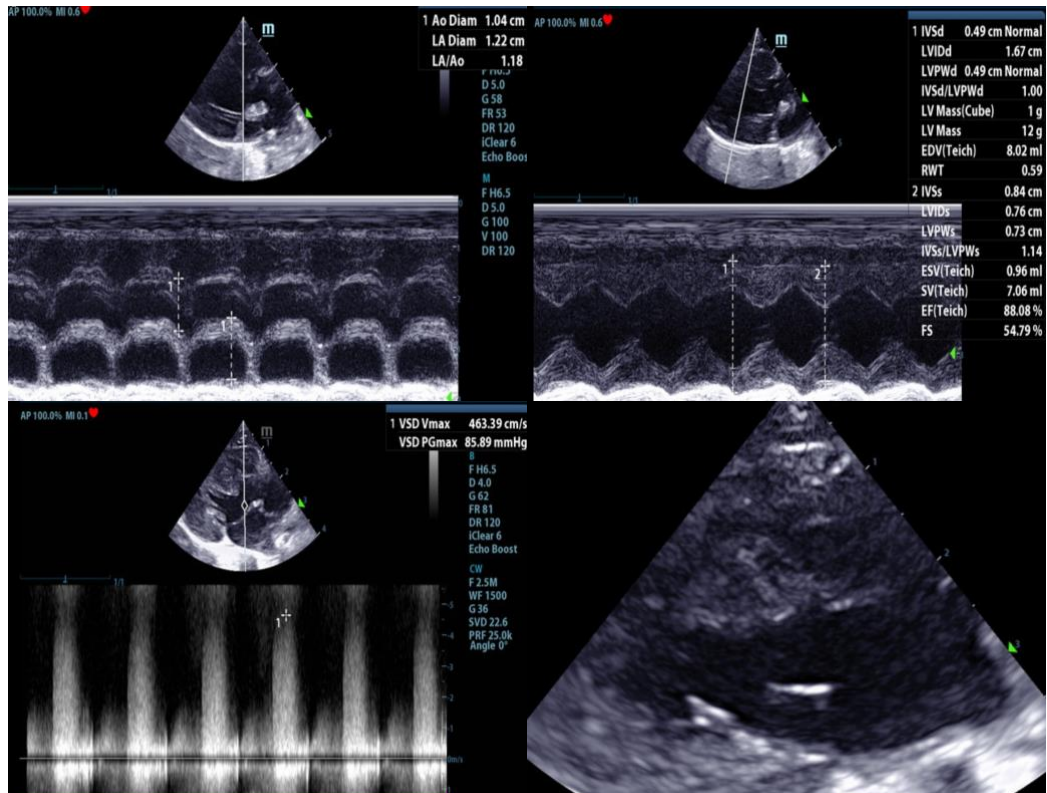
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veterinary cardiologist to ensure that there are no other congenital heart defects present.

This patient should be monitored for increased resting respiratory rate and effort greater than 40 breaths per minute. This patient should be monitored for exercise intolerance as well as syncopal events. This patient should have a recheck echocardiogram at the very latest in six months. There are no anesthetic restrictions for this particular patient. This patient should have full CBC and chemistry for the rest of his life, prior to anesthesia, if warranted, to rule out hemoconcentration. No cardiac medications are warranted at this time.



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Camden Rouben, DVM, DACVIM (Cardiology)

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