

PATIENT

Bella Soles

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

13 years

WEIGHT

6 lbs

INTERPRETED BY

Bradley Harris, DVM,
 DACVECC, DACVIM
 (cardiology)

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
 DACVIM

HOSPITAL NAME

Meadowlawn Animal
 Services Loris

REFERRING VET

Dr. Graham

INVOICE

78325

DATE

6/3/26

PRESENTING CLINICAL SIGNS

History of heart murmur since she was a kitten; an echo was performed by different vet last year
 Recent respiratory issues - chest rads revealed bronchointerstitial pattern and lung lobe consolidation;
 no reported cardiomegaly

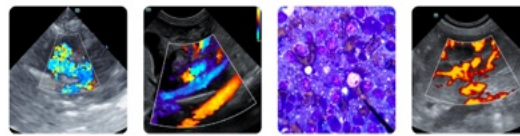
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium is normal in dimension. There are no distinct left atrial thrombi/clots or spontaneous echo contrast appreciated. The left ventricle is normal in dimension as well as wall thickness, and no evidence of restriction. Left ventricular systolic function is normal, with adequate contractility. The right atrium and ventricle are subjectively normal in dimension and systolic function. The anterior and posterior mitral and tricuspid valve leaflets presented normal linear structure, extension in systole, and union in diastole without significant regurgitation. There is no evidence of systolic anterior mitral valve motion documented. The left ventricular outflow tract demonstrated turbulent flow and subjective structural valvular integrity. The visible aorta is unremarkable. Pulmonary outflow tract assessment revealed normal valve structure, turbulent flow, and appropriate diameter and distensibility. There is no evidence of pulmonary hypertension documented. There is no visible pericardial, pleural, or free peritoneal fluid noted.

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	2.73	NM	0.45	1.06	0.49	71	97
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	1.24	1.27	1.29		NM	1.3	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							

ULTRASONOGRAPHIC FINDINGS

These findings are consistent with an essentially normal echocardiogram. The turbulence in the left and right ventricular outflow tracts is likely a manifestation of a dynamic flow disturbance. However, there are several loops that give the appearance of a potential juxta-arterial ventricular septal defect. Given the history of a murmur since birth, this cannot be completely excluded. Regardless, with the patients age, and definitive lack of chamber dilation, if present, the defect is considered small and of no hemodynamic significance. There is no cardiac cause of the current morbidity identified.



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given these findings, no cardiac therapy is recommended. There are no cardiac contraindications to corticosteroids or fluid therapy as indicated for further treatment. A recheck echocardiogram is recommended in 6-12 months.

Anesthesia considerations:

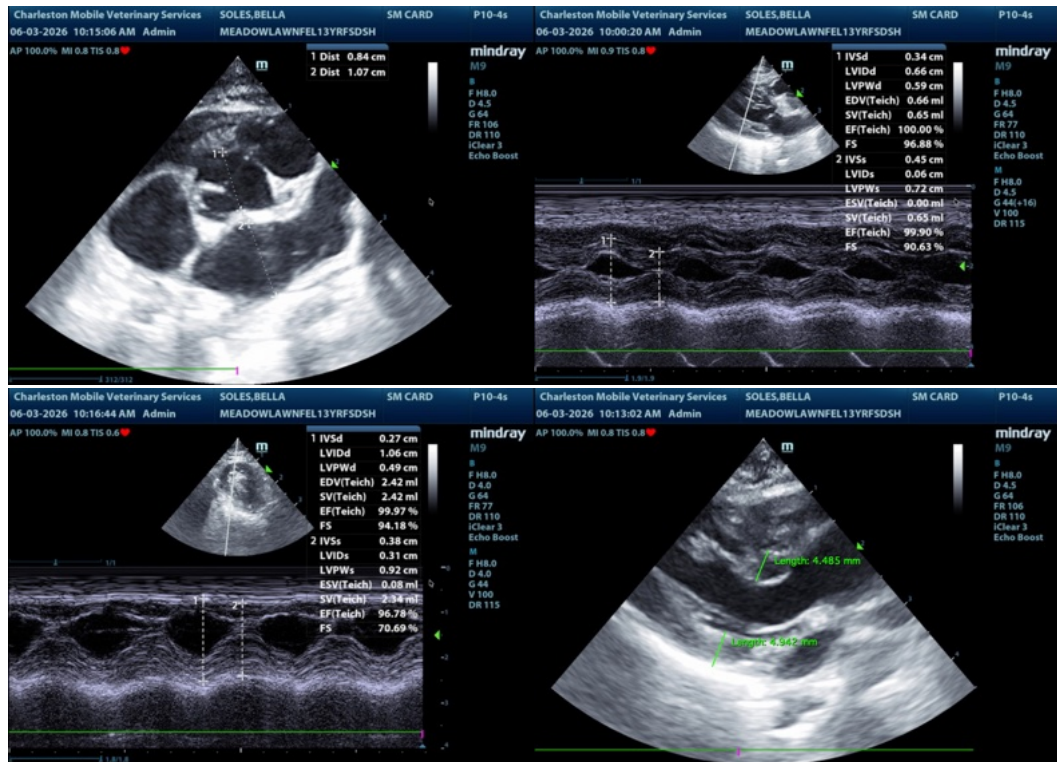
No special cardiac considerations are necessary

Diet:

No special considerations are necessary. Any high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina is reasonable.

Activity:

No special considerations are necessary.



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.

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)

info@SonoPath.com