



PATIENT

Polly McKeon

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Female

AGE

3 months

WEIGHT

3.3 lbs

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Dr. Seth Mitchell

HOSPITAL NAME

Mobile Veterinary
Imaging

REFERRING VET

Dr. Bonnie Mitchell

INVOICE

69571

DATE

12/23/25

PRESENTING CLINICAL SIGNS

History: History: Grade 4 heart murmur

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 regurgitation. The left ventricular outflow tract demonstrated turbulent flow with apparent increased outflow tract velocities. The visible aorta is unremarkable. Pulmonary outflow tract assessment revealed normal valve structure, laminar flow, and appropriate diameter and distensibility, with increased outflow tract velocities. 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 | 1.5 kg | NM | 0.35 | 1.27 | 0.4 | 65 | NM |
| 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 | NM | 1.13 | 1.0 | | 2.8 | 3.0 | 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 identify increased left and right ventricular outflow tract velocities in the setting of normal chamber dimensions. There is concern for a potential ventricular septal defect given the turbulence seen in the left ventricular outflow tract, but this is not definitively visualized.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given these findings, a consultation with a cardiologist for an echocardiogram and complete cardiac evaluation is recommended. With the absence of significant chamber dilation, no cardiac therapy will be indicated at this time, pending further evaluation.

Anesthesia considerations:

No special cardiac considerations are necessary



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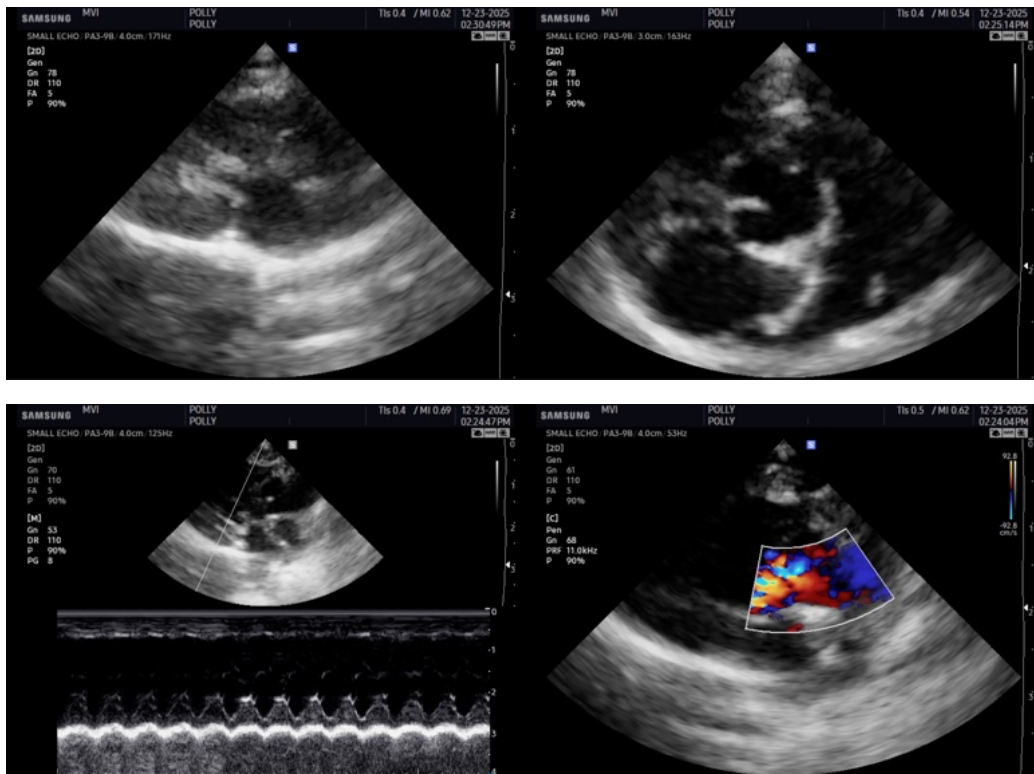
12/23/25

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)

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