



PATIENT
Gia Halfway Home
Rescue

PRESENTING CLINICAL SIGNS

History: Gia is referred to evaluate a heart murmur. She is presently being fostered. She is eating well with normal activity level. On exam: NSR, grade IV/VI parasternal murmur, PSS, lung fields clear, compressible thorax. BP: 110mmHg x 5. *Sedated with propofol for study.

SPECIES
Feline

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

BREED
DSH

Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal. The papillary muscles appear mildly remodeled. A perimembranous ventricular septal defect (VSD) is visualized; 0.39cm in diameter. The flow is left to right and high velocity (4.8m/s).

SEX
Female Spayed

Left atrium: The left atrium is mildly enlarged.

Mitral valve: The anterior leaflet of the mitral valve appears normal. No systolic anterior motion or mitral regurgitation are appreciated.

AGE
6 years

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

Right ventricle: The RV appears normal with no evidence of hypertrophy.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears normal with no tricuspid regurgitation.

Pulmonic valve/pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.

WEIGHT
11.56lbs

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 180bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	0.9
LA diam (cm)	1.5
LA:Ao (Swe)	1.7
IVS thickness (cm)	0.49
LVID diastole (cm)	1.7
PW thickness (cm)	0.49
LVID systole (cm)	0.6
FS (%)	65

Doppler Measurements

PV Vmax (m/s)	0.94
AoV Vmax (m/s)	
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

INTERPRETATION OF THE FINDINGS

The cause of the murmur is a relatively large ventricular septal defect (VSD). The defect is left to right with high velocity. Mild left atrial enlargement is present, indicating the disease is well compensated for. Assessment of progression in the future will help predict long term prognosis, which is guarded, given the size of the defect. While most small congenital shunts are able to live a normal life free of medications, mild left atrial enlargement certainly warrants follow up.

HOSPITAL NAME

Mass Veterinary
Services

REFERRING VET

Dr. Masloski

It is important to note that no medications have been shown to alter outcome in sub-clinical feline heart disease prior to CHF. Given only mild left atrial enlargement, there is no obvious indication for medications.

INVOICE

27962

RECOMMENDATIONS

- No medications are indicated.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.

DATE

12/13/22



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- No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised.
- Monitor for any breathing change, signs of a blood clot event, or collapse episodes going forward.

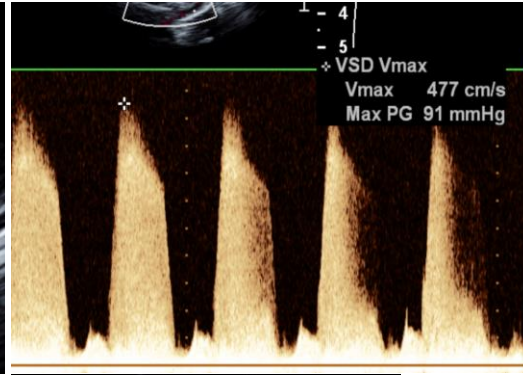
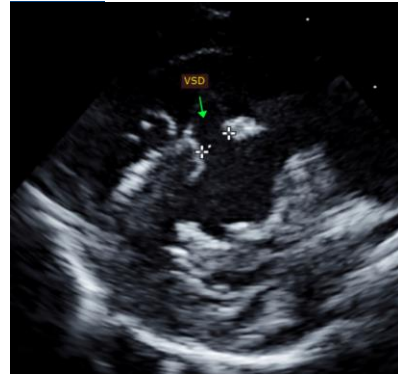
SPECIES
Feline

- PLAN**
- Recommend conservative monitoring with a recheck echocardiogram annually, sooner if any development of clinical signs.

BREED
DSH

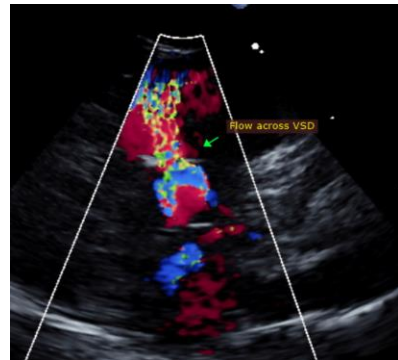
IMAGES

SEX
Female Spayed



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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.

HOSPITAL NAME
Mass Veterinary
Services

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.

REFERRING VET
Dr. Masloski

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27962

Echocardiogram performed by: Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)

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