

PATIENT

Heidi Escavich

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

6 years

WEIGHT

11.13lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

20479

DATE

8/11/21

PRESENTING CLINICAL SIGNS

History: Heidi presents for evaluation of a heart murmur. Bloodwork, including a thyroid level within normal limits. She needs dental work. Has a history of coughing secondary to asthma which is presently controlled. Good appetite and energy. CV/RESP: NSR, grade III/VI murmur noted best on sternum, PSS, lung fields clear, compressible thorax . BP: 120mmHg x 4. *No sedation.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is borderline increased with adequate myocardial function. LV wall thicknesses are normal. A small perimembranous ventricular septal defect (VSD) is visualized. The flow is left to right; max velocity 5.5m/s.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is normal with no mitral regurgitation.

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Prominent aortic root. Normal aortic outflow velocity; laminar flow. Mild 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.

Heart rhythm: ECG reveals a sinus tachycardia with an average HR of 230bpm.

2-Dimensional Measurements

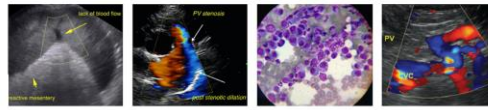
Ao diam (cm)	1.3
LA diam (cm)	1.1
LA:Ao (Swe)	0.8
IVS thickness (cm)	0.4
LVID diastole (cm)	1.7
PW thickness (cm)	0.44
LVID systole (cm)	1.0
FS (%)	41

Doppler Measurements

PV Vmax (m/s)	1.5
AoV Vmax (m/s)	0.9
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

The cause of the murmur is a perimembranous ventricular septal defect (VSD). The defect is small in dimension, with high velocity left to right flow. There is no evidence of left heart volume overload at this time or relative pulmonic stenosis. Assessment of progression in the future will help predict long term prognosis, which is generally good with this size defect. Most small congenital shunts are able to live a normal life free of medications. The aortic root is prominent and there is a small aortic leak; however, the reported BP is normal ruling out hypertension as a cause. Serial monitoring is advised.



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It is important to note that no medications have been shown to alter outcome in sub-clinical feline heart disease prior to CHF. Given the good prognosis with a small defect, there is no obvious indication for medications at this time.

SPECIES
Feline

RECOMMENDATIONS

- No medications are indicated.
- No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised.
- Monitor BP every 6 months life-long.
- Monitor for any breathing change, signs of a blood clot event, or collapse episodes going forward.

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PLAN

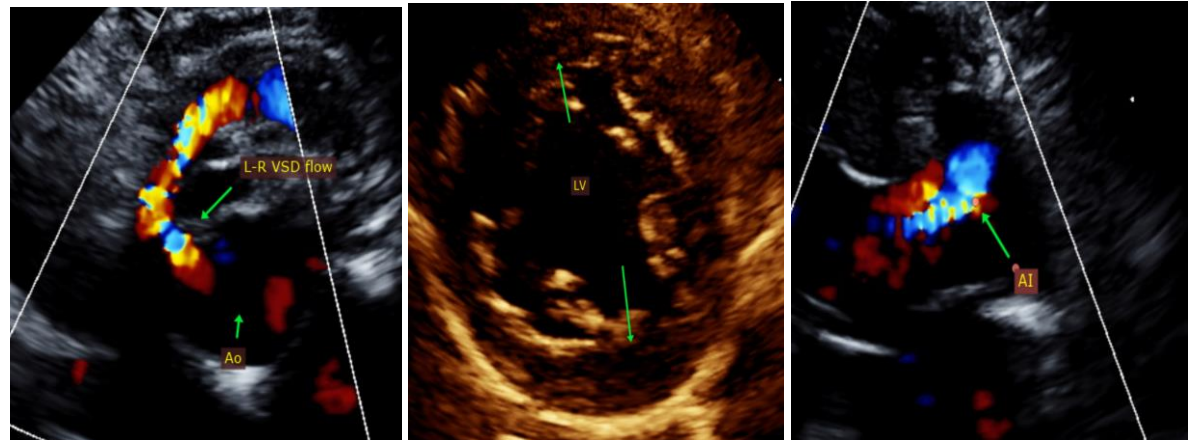
- Recommend conservative monitoring with a recheck echocardiogram annually, sooner if any development of clinical signs.

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IMAGES

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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.

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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

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

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

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