

PATIENT

Tim Nicholson

PRESENTING CLINICAL SIGNS

History: 3-week history of diarrhea. Grade 4-5/6 heart murmur.

SPECIES

Feline

BREED

DSH

SEX

Male Intact

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is borderline in dimension. The LV chamber is normal in diastole. A small restrictive VSD is seen just below the aortic valve (0.36cm); confirmed on color flow and Spectral. The shunt is left to right and high velocity. No right to left flow identified. Mild left atrium enlargement. Normal aortic root. The right atrium is normal in size. The right ventricle appears normal. The MPA is normal. The mitral valve is normal in structure and mobility. Blood flow through the RVOT is normal in velocity. There is no pleural or pericardial effusion seen.

CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	3.2	NM	0.5	1.2	0.5	53	87
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)		LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	NM	1.5	1.3		1.7	1.7	NM

**Note: All measurements based upon multi-modal images and methods. An average value is reported.*
Adapted from June Boon, Veterinary Echocardiography, 1998
Abbott J & MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.

AGE

5 months

WEIGHT

7.06lbs; 3.2kgs

INTERPRETED BY

Maggie Machen Lamy, DVM, DACVIM (Cardiology)

IMAGING PERFORMED BY

Loetitia St-Jacques, LVT/RVT

HOSPITAL NAME

Options Veterinary Clinic

REFERRING VET

Dr. Errington

INVOICE

20467

DATE

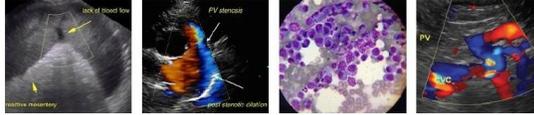
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The cause of the murmur is a restrictive perimembranous ventricular septal defect (VSD). The defect is relatively small in dimension, with high velocity left to right flow. There is mild evidence of left heart volume overload at this time. No relative pulmonic stenosis or other issues are identified.

Small shunts in cats are often of minimal lifelong clinical significance; however, lifelong monitoring is advised. Prognosis is open prior to assessing for progression at mature status. No cardiac medications are indicated at this time. Anesthetic risk is low, however mild IV fluid restriction is advised.

Recommend recheck at 1 year of age to screen for any progressive dilation. Monitor at home for any associated clinical signs, including respiratory changes or signs of a thrombus.



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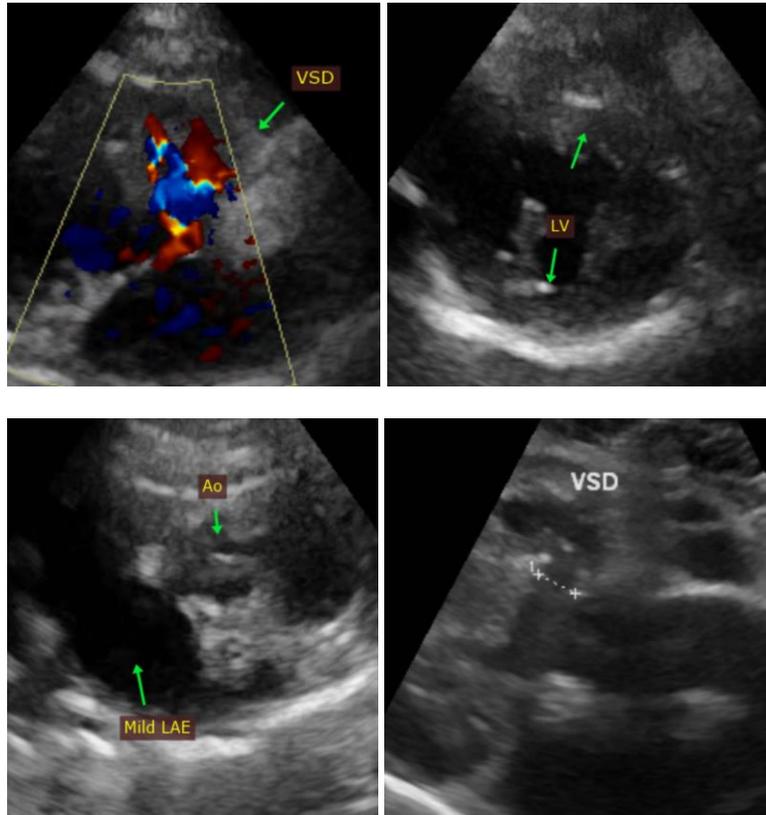
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IMAGES



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.

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.

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