


PATIENT

Raisin Moon

PRESENTING CLINICAL SIGNS

History: Grade 1/6 murmur since a kitten. HR 160, RR 24.

SPECIES

Feline

BREED

Sphynx

SEX

Female Intact

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic irregular endocardium consistent with fibrosis and remodeling. The anterior leaflet of the MV appears mildly thickened. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. No TR. Blood flow through the RVOT is normal. Blood flow through the LVOT is borderline with suspicion for an intermittent obstruction on color flow and 2D imaging. Trace/mild mitral regurgitation. No AI. No PI. There is no pleural or pericardial effusion seen. There are no obvious cardiac tumors.

CARDIAC CHART
AGE

15 months

WEIGHT

6.5lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM DACVIM
 (Cardiology)

IMAGING PERFORMED BY

Kelly Reschny, RVT

HOSPITAL NAME

 Beattie Pet Hospital
 Stoney Creek

REFERRING VET

Dr. Mellish

INVOICE

25655

DATE

8/9/22

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	2.95	280	0.42	1.36	0.39	55	89
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE <small>(Swe) (Abbott)</small>	LA 2D short axis Base view <small>(cm) (Abbott)</small>	LVOT VEL <small>(m/s)</small>	RVOT VEL <small>(m/s)</small>	E max <small>(m/s)</small>	
NORMAL	<1.5	<1.3	<1.2	<1.6	<1.3	<0.9	
PATIENT	1.1	1.2	1.0	1.8	1.5	NM	
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i> 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.							

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Essentially normal cardiac structure and function. The only potential cause of a murmur identified is a suspect dynamic LVOT obstruction. The mitral valve is mildly thickened, and this may reflect a mild form of mitral valve dysplasia. Given a lack of LV hypertrophy, this is likely intermittent and relatively benign; however, follow up is advised. No LV hypertrophy or LA dilation is noted. No obvious congenital defects.

In this patient with a mild obstruction and a normal left atrial dimension/no LVH, no medications are clearly indicated.

Anesthetic risk is currently low. Avoid heart rate stimulating drugs (atropine, glycopyrrolate) unless clinically necessary. Avoid vasodilators such as acepromazine as this can worsen obstruction. Judicious IV fluid rates are recommended to avoid fluid overload in this patient with diastolic dysfunction.

A recheck echocardiogram is recommended in 12 months, sooner if any clinical signs arise.



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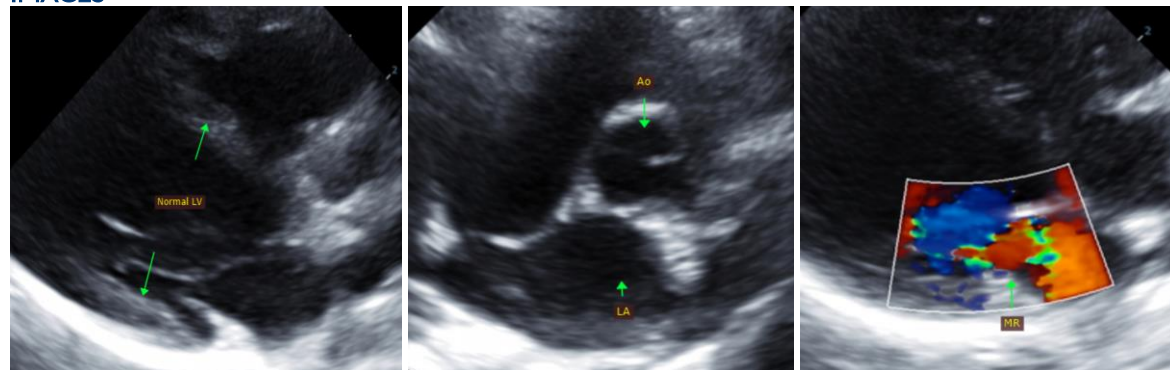
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IMAGES



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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