



PATIENT

Cyrus Edsall

PRESENTING CLINICAL SIGNS

History: Cutaneous hemangiosarcoma 10.2022. Recent episodes of collapse with exercise. Grade 2/6 murmur. Sedated with **Dex and Torb**.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. Trace central mitral regurgitation with mild left atrial dilation. No LV dilation with a borderline systolic dimension and mildly depressed myocardial function. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Decreased pulmonic and aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

BREED

Pitbull

SEX

Male Neutered

CARDIAC CHART

AGE

14 years

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NA	NA	NM	1.5	21	40	0.54
CANINE CARDIAC PARAMETER RS	HR (BP M)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	NM	0.7	0.6	24.0	2.8	3.8	3.0
<i>*Normal chamber parameters expressed as a mean value</i>				3	1.27	2.46	1.36
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40	2.74	1.60
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50	3.27	2.06
				15	1.83	3.71	2.43
				20	2.02	4.14	2.80
				25	2.18	4.48	3.10
				30	2.33	4.83	3.39
				35	2.48	5.17	3.69
				40	2.62	5.48	3.96
				50	2.88	6.07	4.46

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Mill Pond VC

REFERRING VET

Dr. Thayer

INVOICE

32380

DATE

8/16/23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, it is nearly impossible to accurately evaluate a patient's echo or ECG parameters using Dexdomitor. In dogs specifically, the drug was shown to increase both LV diameters, lower FS and lower blood flow through the great vessels, all which are seen in this study. What is seen in this study is suspected to all be secondary to Dexdomitor rather than organic disease; however, this cannot be definitively determined. Additionally, decreasing flow through the great vessels can mask outflow murmur origins and cause for the murmur is not identified in this study. Trace MR is likely physiologic and unable to be heard. No additional issues are identified.



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Prognosis is open prior to reassessment. No cardiac cause for syncope is readily apparent. A baseline BP and ECG are recommended (independent of sedation).

SPECIES

Canine

Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

Highly recommend reassess a baseline in the absence of heavy sedation. Relatively safe options include Gabapentin, Butorphanol and/or Alfaxalone. No conclusions can be made based upon these findings while on Dexdomitor.

BREED

Pitbull

IMAGES

SEX

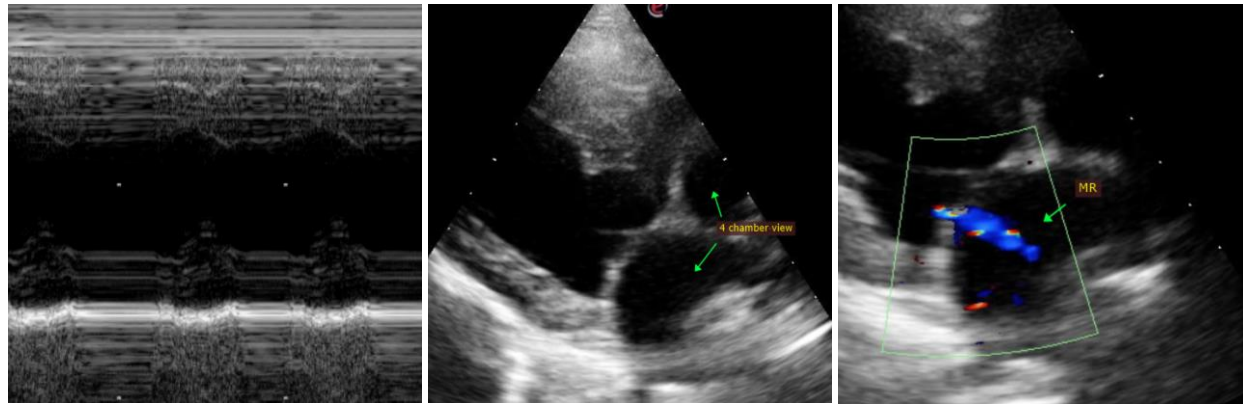
Male Neutered

AGE

14 years

WEIGHT

53lbs



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.

INTERPRETED BY

Maggie Machen Lamy, DVM, DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

Maggie Machen Lamy, DVM
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