



PATIENT

Euchre Walker

PRESENTING CLINICAL SIGNS

History: ECG screen showed R wave amplitude increase. Owners opting for full cardiac work up.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, and color flow imaging is available. Normal mitral valve leaflets with no prolapse into the left atrial lumen. No obvious mitral regurgitation with mild left atrial enlargement. Normal LV diameter with adequate myocardial function. The tricuspid valve appears normal with no obvious tricuspid regurgitation. Mild right heart enlargement (subjective). The pulmonic and aortic valves appear normal although are not extensively visualized. No pericardial or pleural effusion noted. No obvious cardiac masses.

BREED

Spaniel

SEX

Male

CARDIAC CHART

AGE

10 months

WEIGHT

17.6kgs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Evan Bell

HOSPITAL NAME

Cedarview Animal
Hospital

REFERRING VET

Dr. Holzman

INVOICE

25519

DATE

7/25/22

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	1.6	37	70	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	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	NA	NA	17.6	2.6	3.5	2.2
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The primary abnormality identified is mild right heart enlargement and mild left atrial dilation. These are largely subjective and are of unknown significance (ie a normal variant is not ruled out). No obvious valve regurgitation is identified; however, visualization is limited. It is important to note that this is not extensive congenital study, and abnormalities such as an intra or extra-cardiac shunt are certainly not ruled out and remain a possibility. Highly recommend referral, particularly if a murmur is ausculted in this case.

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



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If referral is declined, consider reassess a more extensive study, baseline CXR and/or a recheck echocardiogram in 6 months, sooner if clinical signs or a murmur is noted in the interim.

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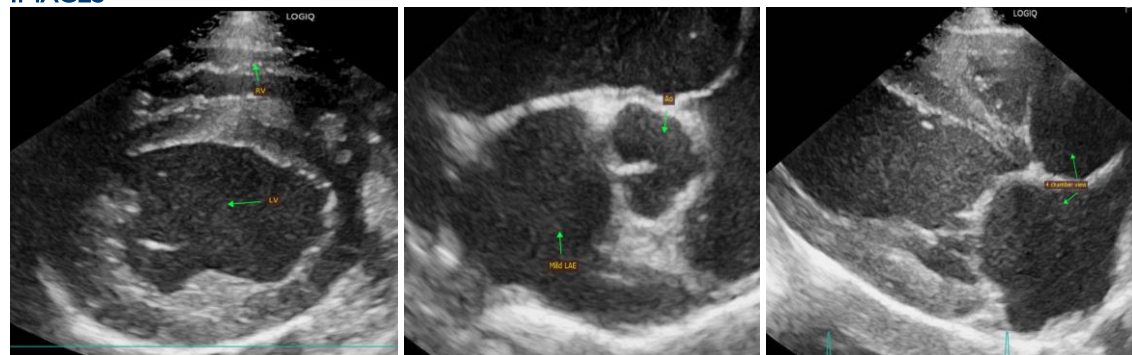
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IMAGES



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.

Maggie Machen Lamy, DVM
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