



PATIENT

Poochie Abeyta

PRESENTING CLINICAL SIGNS

History: Murmur. Wheezing/coughing. On Hydrocodone.
-Sedation: Alfaxalone 8mg + midazolam 1.3mg IM.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

Normal mitral valve structure and function with no obvious prolapse into the left atrial lumen. Trivial mitral regurgitation; normal left atrial dimension. Normal LV diameter with normal myocardial function. The tricuspid valve appears normal in form and function. No TR. Mild right heart prominence may indicate early pulmonary hypertension. MPA and branches are prominent as well. The pulmonic and aortic valves are normal in morphology and mobility. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac tumors seen.

BREED

Chihuahua Mix

SEX

Female Spayed

CARDIAC CHART

AGE

19 years

WEIGHT

9.7lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Dana Alterman,
RDCS, LVT

HOSPITAL NAME

Eubank Animal Clinic

REFERRING VET

Dr. Russman

INVOICE

23850

DATE

4/25/22

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	1.4	58	92	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	NM	NM	4.4	1.4	1.9	0.8
*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

Essentially normal cardiac structure and function documented in this study. There is no obvious valvular regurgitation or left heart enlargement noted. Trace MR is identified, which may suggest early valve disease and may explain the murmur. Mild right heart and MPA prominence are noted, likely consistent with early pulmonary hypertension (PAH) secondary to described respiratory issues/cough or may simply be a normal variant. Monitoring is advised. It is important to note that PAH can develop secondary to primary respiratory signs/hypoxia if poorly controlled, rather than being a primary cause. Regardless, a lack of significant right heart changes indicate little concern at this time and primary respiratory disease should continue to be addressed.

No cardiac medications are indicated. The best approach to early PAH is adequate cough control, as continuing inflammation within the airways leads to its development.



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Monitor for signs of PAH at home, including exertional syncope and/or dyspnea.

SPECIES

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A recheck echocardiogram is recommended in 1 year, or if clinical signs of PAH develop (exertional syncope, etc.).

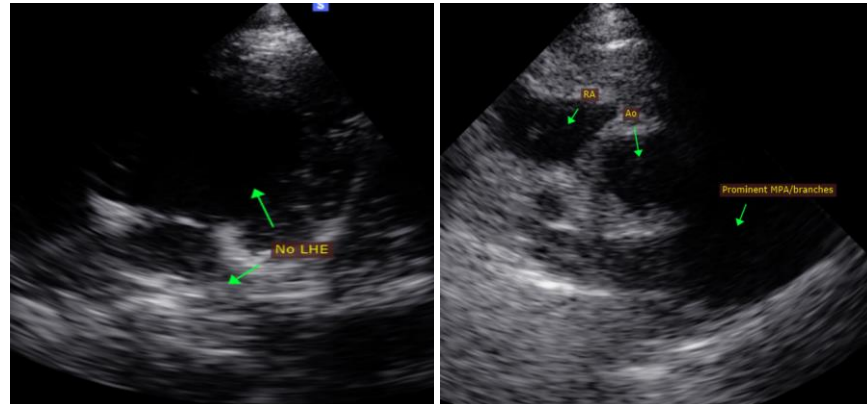
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IMAGES

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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.

WEIGHT

9.7lbs

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.

INTERPRETED BY

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